India SMART UTILITY Week 2020

International Conference and Exhibition on Smart Energy and Smart Mobility for Smart Cities

March 03 - 07, 2020

The Lalit Hotel, Barakhamba Road, New Delhi, India

Supporting Ministries

- Ministry of Power, Government of India
- Ministry of New & Renewable Energy, Government of India
- Department of Commerce, Ministry of Commerce and Industry, Government of India
- Ministry of Housing and Urban Affairs, Government of India
- Ministry of Environment Forest and Climate Change, Government of India
- Ministry of Jal Shakti, Government of India
- नीति आयोग National Institution for Transforming India
- Ministry of Science & Technology, Government of India
- SMART CITIES MISSION



EVENT CATALOGUE



Organiser

ISGF India Smart Grid Forum

Host Utilities

TATA POWER-DDL

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Co-Host Utilities

BSES Rajdhani Power Limited

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India
SMART UTILITY
Week 2020

SPEAKERS DIRECTORY





Raj Kumar Singh

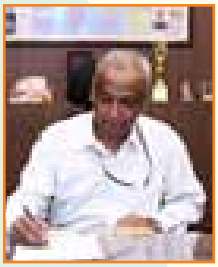
Minister of Power and New & Renewable Energy (Independent Charge)

Government of India



Raj Kumar Singh is a former Indian bureaucrat and a current Minister of State in the Government of India.He is a Member of the Indian Parliament for Arrah, Bihar, since May 2014. Singh is a 1975 batch Bihar cadre Indian Administrative Service officer and former Home Secretary of India.

On 3 September 2017 he was appointed as the Minister of Power (Independent Charge) in Prime Minister Narendra Modi's cabinet. On 30 May 2019, he was appointed as Minister of State (Independent Charge) of the Ministry of Power, Minister of State (Independent Charge) of the Ministry of New and Renewable Energy and Minister of State in the Ministry of Skill Development and Entrepreneurship, Government of India.



Sanjeev Nandan Sahai

Secretary

Ministry of Power



Shri Sanjeev Nandan Sahai assumed charge as Secretary, Ministry of Power here today. Prior to this, he was serving as the Special Secretary in the Ministry of Power. Shri Sahai is a UT cadre IAS officer of 1986 batch. He has also served as Additional Secretary in the Ministry of Power from May,2018 to July, 2019.

Along with these Shri Sahai has held several other important positions in the Union as well as State Governments. These include DG (Additional Secretary equivalent) and Additional Secretary in the Ministry of Commerce and Industry, Principal Secretary in the Home Department, Chairman and MD of Delhi Transport Corporation, Secretary-cum-Commissioner Transport for Delhi Government, Chairman of the Chandigarh Housing Board, Finance Secretary in the Government of NCT of Delhi, Home Secretary etc.



Aabha Sargaonkar

Senior Principal Scientist

National Environmental Engineering Research Institute (NEERI)



Aabha Sargaonkar is a PhD in Mathematics from University of Roorkee, presently IIT Roorkee. In her doctoral work she has developed a two-dimensional water quality model for wide rivers. Presently she is Senior Principal Scientist with CSIR- National Environmental Engineering Research Institute (NEERI), Nagpur. She has more than 25 years of experience in System Design and Modelling for Water Resources Systems. She has published number of research papers in National and International Journals and has 3 software copyrights to her credit.

She has developed Overall Index of Pollution (OIP) for Surface Water Quality Assessment, a Contamination Risk Assessment model for Water Distribution System (RISk-PiNET) and a Stand-alone modelling tool for assessment of Non-Point Source Pollution (NPS) pollution in a watershed (NutriL-GIS).

She has experience in application of water quality models QUAL2E, WASP, HEC-2, DIVAST, SWAT, MIKE-11, MIKE-21 for rivers, lakes, estuaries and coastal area and other data analysis -mathematical and statistical software's MATLAB, SPSS in number of projects undertaken at NEERI.

Her contribution to Development of Water Safety Plan for urban sector was recognized by WHO and she was selected for Training of Trainer (ToT) workshop by WHO at Singapore.



Abhay Bakre

Director General

Bureau of Energy Efficiency



Shri Abhay Bakre is a Post Graduate (M. Tech.) in Elect. Engineering from IIT, Kharagpur. He belongs to 1988 Batch of Indian Railways Electrical Engineering Services, Ministry of Railways. He has worked in several Railway projects including Delhi Metro & Kolkata Metro extension projects.

He has also worked as Joint Development Commissioner in the Ministry of Micro, Small and Medium Enterprises and was Nodal officer for National Manufacturing Competitiveness Programme.

As ED PCRA, Ministry of Petroleum & Natural Gas, he has been instrumental in development and implementation of various programs aimed at petroleum & energy conservation in industry, transport, domestic sector etc.

He has also taken up nationwide mass media campaign through PCRA and other oil companies to generate awareness among consumers on adoption of simple fuel saving measures in day to-day life.

Before joining BEE, he has worked as Executive Director in the newly created Environment Directorate of Ministry of Railways. He was the nodal officer for developing INDC for the Railway sector along with a roadmap for Green House Gas reduction in Indian Railways. He also participated at the transport sector events of COP 21 held in Paris and COP 22 held in Morocco.



Abhijeet Sinha

National Program Director

Ease of Doing Business Division at ASSAR

Adnl. Project Director - National Highway for EV



He took charge as 'Project Director' for NH for EV 2020 (Naonal Highway for Electric Vehicles) in March 2018. NHEV is 1st intercity e-mobility prototypical program to facilitate EODB (Ease of Doing Business) through SWC (Single Window Clearance) under Ministery of Commerce & Industry support based on reforms of Ministry of Power for setup of Charging Staons on Naonal Highways and their regional transport ecosystems on minimalisc CapEx and self-sustainable OpEx. Abhijeet Sinha is serving as Naonal Program Director of Ease of Doing Business (EoDB) Program and Country Director at Advanced Services on Social & Administrave Reforms (ASSAR). Beginning his career as a corporate banker and financial consultant, Abhijeet later stepped in the field of business consulng incubang grassroot Start-ups for geng support from naonal and global organisaons. With his experience in delivering strategic level policy and financial advice, he further served as Program Director at ASSAR in Sustainable Development Goals (SDG) across India, Pakistan, Nepal, Afghanistan, Bangladesh, Bhutan, Sri Lanka and Maldives. Extending his services to other internaonal organisaons,he worked with UNDP India, UNICEF India, Bill and Melinda Gates Foundaon, CARIAA, IDRC, CRDI, Red Cross - Red Crescent, Universies of Cape Town, Ghana, Nairobi, East Anglia, Nambia and Department for Internaonal Development UK-AIDs in varied projects. Abhijeet serves as Advisor- Corporate Alliance & Government Relaons and IPR Documentaon alongside being a consultant for Centre For Entrepreneurship Development - NIFTEM (Ministry of Food Processing Industry). He worked as Program Director (Execuon) with OTAI & FSSAI Conference 2017-18. He is also a Corporate Counsel - ENACTUS (DCAC), Youth Advocate - Swachh Bharat Mission & Digital Bharat Mission and Global Convenor - A2020 Europe TUV-SUD. Abhijeet is an ISO Cerfied consultant 9001-14001 owning 18 Patents ll March 2018. An External Consultant in Government of India's flagship programs Make In India, Startup India, Digital India and Skill India, Abhijeet is a celebrated consultant for his consultaon and mentoring iniaves for Start-ups assisng them with conceptualisaon, process consulng, operaonal streamlining, funding and angel investment turning millions of entrepreneurial visions into realies.



Abhishek Ranjan

Vice President and Head
Renewable DSM & EE and Energy Analytics

BSES Rajdhani Power Limited



Additional Vice President and Head Renewable, DSM & EE and Energy Analytics

Head Power Scheduling (System Operator for the Utility), BSES Rajdhani Power Limited, A Power Distribution Licensee & a JV company of Reliance Infrastructure and Govt. of Delhi, India

Career History

- Abhishek has about two decades of experience in Power and Information Technology sectors in India. He started his career with Infosys Technologies Limited, an IT company based in India, where he worked on development of enterprise applications for a major US utility and a technology MNC.
- Abhishek Ranjan is currently leading a team in the areas of Energy Efficiency & Demand Side Management, Renewable Integration and Rooftop Solar, grid level Energy Storage solutions, EV charging infrastructure, Power scheduling & demand forecasting and Energy Analytics at BSES Rajdhani Power Limited (BRPL), New Delhi.
- BRPL serves over 2.4 Million consumers over an area of 750 sq. Km in Southern and Western parts of national capital Territory of Delhi, India.
- BRPL is agile to India's climate change goals and has made concerted efforts to align its operation with nation's goals through several green initiatives e.g. transition of its power portfolio with ~20% of renewable share in capacity terms, DSM & EE initiatives, promotion of grid connected DERs, other non-wired alternatives like grid level battery storage etc.

- Launched community Rooftop Solar initiative (BRPL Solar City Initiative – focussed on residential sector) launched in Jan '18. Over 800 RTS net-metered connection as on date (~ 27 MWp).

- Behavioural Energy Efficiency Program covering over 2 Lakh residential consumers in progress in partnership with Oracle Utilities

- Launched Student Awareness program (Energy Wise Energy Rise) focussed on Climate change, Pollution and its mitigation, RE integration and energy conservation, covering about 0.1 Million students of Delhi Govt. Schools in partnership with TERI

- Undertaking several Energy conservation and efficiency programs for consumers including Efficient cooling and lighting solutions, solar powered energy efficient pumps (grid connected), non-wired alternatives for meeting peak demand e.g. grid level battery storage in license area and faster roll out of EV charging infrastructure for public fleet as well as private owners of EV.

- Managing Day ahead and Intra-Day (real time) power scheduling for the license area while following cost-effective multi-source power procurement strategy. BRPL met ~3100 MW peak demand in 2018.

- Effective Statistical Demand Forecast model development for accurate prediction of day ahead demand thereby ensuring prudent procurement strategies

- In his earlier assignments, Abhishek has worked on Detailed Project Reports covering power project economics & financing/techno-commercial aspects, Power potential study, tariff analysis and financial closure of Hydro renewable projects in Indian Himalayan states of Arunachal Pradesh, Himachal Pradesh and Uttarakhand.

Areas of expertise

- Power Demand forecasting and power management (system operation functions)

- Capacity Building & implementation of Rooftop Solar, DSM and Energy efficiency interventions for a Utility

- Consumer Outreach and management



Ajay Pradhan

President & CEO

C2S2 India Pvt Ltd



Ajay is a graduate of masters and doctorate in Water Resources Engineering with over 28 years of experiences in planning, designing and implementing number of infrastructure projects. Ajay is currently the President & CEO of C2S2 India Pvt Ltd. Prior to this he worked as Managing Director of Halcrow and CH2MHill, Consultant in Planning Commission, Government of India, Director of DHV Consultant, founder director and managing director for DHI in India and Scientist in Designing and Modelling Group of National Informatics Centre, Government of India.

Ajay's key practice and research areas are in the field of Sustainable Integrated Water Resources Management (IWRM), Urban Environment Management, Climate change impact on Water Resources and Hydropower, Urban Environment Management, Policy and Governance.

Ajay is the Member of Governing Council of KIIT and Chairman of KIIT University Academic, Industry and Innovation. He is the Chairman of Institutions of Water & Environment, India, Executive Member and Chairman of NCR & North of National Solid Waste Management Association of India. He is recipient of Udyog Ratna Award, Water Leader of Asia and 50 most Impactful Leaders in Water and Water Management (Global listing). He is a member of University Academic Council of Central University of Jharkhand, Nothcap University ad many national and international universities and organisations. Ajay is also the Mentor and Expert Member of Information Technology Research Academy (ITRA – Water) of Ministry of Information Technology, Government of India for IT Innovation and Research in Water Sector.

Ajay is currently working on sediment control management especially in Hydro Power Projects and Reservoirs, Climate Change and Urban Water Management in India, Africa and South Asia region.



Ajay Shankar

Distinguished Fellow
Director-General's Office
TERI



Ajay Shankar has had rich and varied experience in public service for over forty-five years.

He has served as Secretary, Department of Industrial Policy and Promotion in the Government of India where his key responsibilities included FDI policy, investment promotion, improving ease of doing business, and the IPR regime in the country. The plan for the ambitious Delhi-Mumbai Industrial Corridor Project was developed under his stewardship. He was the Chairman of the National Productivity Council and of the Quality Council of India. He initiated the setting up of Invest India to facilitate enhanced inflow of FDI. He played a crucial role in putting together the stimulus packages at the time of the global economic crisis of 2008 which enabled the Indian economy to recover in a short time and again grow at over 8%.

He subsequently served as the Member Secretary of the National Manufacturing Competitiveness Council (NMCC), an advisory body comprising leading Captains of Industry, key Secretaries of Government and eminent Academics. Some of the major recommendations of the NMCC were taken up for implementation by the Government including the National Skill Mission, Facilitating Start-ups, Reform of Labour Laws and reducing the Regulatory burden on enterprises. Sector specific recommendations for breakthroughs in manufacturing in Electronics and IT Hardware, Defence Manufacturing, Civilian Aircraft, Shipbuilding, Electric Vehicles, Steel and Textiles were evolved.

In the Ministry of Power, he played a key role in the enactment of the Electricity Act, 2003, and Rules and policies under it. This created a new liberal framework for the development of the power sector and was one of the major pieces of reform legislation at that time. He was also instrumental

in promoting private sector participation in the Power Sector including the Ultra Mega Power Projects. He played a crucial role in the conceptualization and the launch of the national program for completing rural electrification which was launched in 2005 and under which over 1, 00,000 villages were electrified. This led to the Saubhagya scheme through which provision of electricity across to all households has been completed.

He has been a member of the Committees set up by Government of India on: (i) Reform of Public Sector Enterprises, (ii) Restructuring of HAL and (iii) Electricity Distribution Reforms. He has also served as the Chairman of (a) PPP Review Committee of the Railways and (b) Expert Committee for Replacing Multiple Prior Permissions with a Regulatory Mechanism for improving Ease of Doing Business.

He has served on the Boards of major public sector companies and is now non-executive Independent Director in a few companies. He has been a Public Policy Scholar at the Woodrow Wilson Center in Washington DC. He is presently the Chairman of the Board of Trustees of the Foundation for MSME Clusters (FMC). He is a Distinguished Fellow with Teri working on energy and environment policy issues. His articles have been appearing in the national papers.



Ajoy Rajani

IoT Pioneer and Digital & Innovation Evangalist



Ajoy Rajani has been a technology disrupter in the IoT and Smart Grid space for the past 18 years – he pioneered Automatic Meter Reading and Smart Meters in India and enjoys introducing disruptive products into established markets. He has been helping companies and planners use IOT technologies to help solve today's biggest challenges in energy management, public safety, intelligent traffic and transportation to name a few.

His roles at organisations have been in innovating, disrupting established prices and creating new markets.

Given his intimate and long involvement in the industry he plays a significant role in helping companies invest and explore partnerships & markets in India & abroad.

Some of his notable achievements are:

- He devised the unique architecture for CDMA telemetry for which he was awarded the Global 3G industry award. This paved the way for IOT using CDMA.
- His individual efforts at Reliance Communications led to the reduction in the cost of handsets and other devices by over 100% of the then established prices.
- He provided leadership for all technology initiatives as Group Head, Digital Initiatives & Automation for Adani Electricity Mumbai. He formulated the digital roadmap for the groups energy vertical and the adoption of technologies for an intelligent organisation, including adoption of Smart Grids, Electric Vehicles, and Artificial Intelligence.

- At Reliance ADAG, Ajoy Rajani was the Group Head of Technology & Innovation, he also lead the Smart Grid & IoT initiatives with oversight over major initiatives including Smart meters, Auto Demand Response, Consumer Engagement, Wireless Network for Smart City Applications etc. He Delivered new focus on innovation across Artificial Intelligence (AI), Big Data, Block Chain, Virtual and Mixed Reality.

- Presently, he is on the board of several entities in India and abroad including the India Smart Grid Forum (New Delhi, India), advisor to the board of Smart Energy Water (Irvine, California) and was formerly on the board of CDMA Development Group. (San Diego, California)



Akshay Mangal

Sales and Marketing Manager

Broad



A result oriented professional with a panache in management and technology. I am looking for full-time job opportunity in the field of HVAC&R industry which is challenging and can be reached through this profile or by email – akshaymangal1995@gmail.com

Being brought up in a business family, I have inculcated in me the spirit of teamwork, entrepreneurial instincts, and leadership qualities. If you are looking for someone who loves taking a lot of responsibility and have a passion for execution than I look forward to hearing from you soon! Always open to discussions that involve knowledge and create values.

I am currently working as Sales and Marketing Manager at BROAD Group.



Ali Hosseini

Founder & CEO of SenRa

PAN India LoRaWAN



Mr. Ali Hosseini is the Founder & CEO of SenRa, a PAN India LoRaWAN network operator. Ali is also the Co-Chair of the LoRa Alliance Marketing Committee. Ali comes with extensive experience in the areas of Information Technology, Wireless, Mobile, and Software Development Industries. He has worked with Fortune 500 organizations in his career spanning multiple industries and verticals focussing on product development, management and sales and has run several successful businesses during his professional career. Ali believes in transformative impact that technology can bring in to a country as vast and diverse as India and is taking lead in developing the ecosystem for deploying them. As a contributing member of the LoRa Alliance since August 2016 and an IoT enthusiast, he strives to leverage innovative wireless technologies and solutions to improve quality of life and provide valuable insight in Low-Power Wide-Area Network technologies.



Amal Sinha

CEO

BSES Rajdhani Power Limited



Graduate of Delhi's prestigious SRCC, Amal Sinha is a Chartered and Cost Account with more than 25 years of rich experience under his belt. His deep understanding transcends manufacturing and service sectors with expertise in areas like Corporate Finance, Strategy Planning, Budgetary and Financial Control, Audits (of various kinds), Regulatory affairs, Indian Accounting Standards and Power Distribution.

After working for Escorts Ltd for 15 years (and L&T Group before that), Amal joined BSES Rajdhani Power Limited (BRPL) in 2006 as the head of the company's business process re-engineering group, followed by its CFO overseeing areas of functional finance and accounts. Subsequently, he was elevated as Director Finance.

Since 2016, he has been working as the CEO of BRPL – a joint venture between Reliance Infrastructure Limited and the Delhi Government – and having revenues in excess of Rs 10,000 crore. He is supported by a workforce of around 10,000, and is responsible for supplying reliable electricity to around over 25 lakh consumers in South and West Delhi.



Amarjeet Kumar

Founder and CEO

Shrama Technologies Pvt Ltd



Mr. Amarjeet Kumar is the founder & CEO of Shrama Technologies Pvt Ltd, Bangalore. He is an engineering graduate in Electronics and Communication with over 18 yrs. of Industry experience in different communication technologies. He is an expert in the field of wireless communication technologies and including Wi-Fi, Bluetooth, IEEE 802.15.4, ZigBee, Wi-SUN. Mr. Amarjeet is a pioneer in both standards based and proprietary solutions. He has worked in various roles in the Engineering, Product Management and Technology functions. He has a vast knowledge and experience as a Solution Architect and System Designer.

He is also an active member of IEEE standards body and currently is the Vice Chair of IEEE 802.15.4u working group. He has been an active contributor in the development of communications standards and the specification of test plans for several Smart Utility Network standards.

He is also the convener for the Panel developing “Last Miles Communication Protocol” for Smart infrastructure committee at Bureau of Indian Standard [LITD28].

Being a founding member of Wi-SUN Alliance, he is also working as India Regional Coordinator of Wi-SUN Alliance, an industry organization which promotes inter-operable wireless communications products for Smart Utility Networks, Smart City and Internet of Things applications and which also require a rigorous testing and certification program to achieve its aims.

He has been awarded as “ISGF President’s Award for Promotion of Smart Grid in India” for 2017.



Amit Kr Pandey

President and the Chief Technology Officer (CTO) and Chief Science Officer

Hanson Robotics



Dr. Amit Kumar Pandey is the President and the Chief Technology Officer (CTO) and Chief Science Officer (CSO) at Hanson Robotics, the creator of world's most advanced human-like expressive humanoid robot, Sophia. Earlier he has served as the Head Principal Scientist (Chief Scientist) at SoftBank Robotics Europe (formerly Aldebaran Robotics), Paris, France, the creator of world's first mass produced humanoid robot Pepper, also serving as the scientific coordinator (R&D) of the collaborative projects of the company. In the past for 6 years he also worked as researcher in Robotics and AI at LAAS-CNRS (French National Center for Scientific Research), Toulouse, France.

At LAAS-CNRS, he obtained his Ph.D. degree in Robotics (title: Towards Socially Intelligent Robots in Human Centered Environment), delivered by INSA (National Institutes of Applied Sciences), University of Toulouse. His PhD thesis is among the best three theses and the second prize winner (tie) of the prestigious Georges Giralt Award for the best Ph.D. Theses in Robotics in Europe, awarded by European Union Robotics (euRobotics). With full fellowship, he obtained his MS by Research degree in Computer Science and Engineering with specialization in Robotics, in 2007 from IIIT-Hyderabad, India. He obtained his B.Tech. from JIIT, Noida, India.

His research interest includes Socially Intelligent Robots and Societal Impact of robotics & AI technologies, Human Robot Interaction, Robot's Cognitive Architecture & Learning. On these aspects, he has been actively contributing as principal investigator, researcher, and industrial scientific coordinator in more than 13 large scale national, international and European Union (EU) projects, as well as involved in their design and proposal, has published 60+ scientific research papers, and delivered 100+ invited talks/keynotes/lecture in international venues.



Amitava Ghosh

VP Engineering,

Bidgely



Mr. Amitava leads the engineering and data team at Bidgely, a world leader in providing Utility AI and customer engagement software as a service for utilities. Mr Amitava has previously built highly scalable products and platforms for consumer internet companies like Yahoo! and held executive positions in high growth Indian startups like TaxiForSure and Snapdeal. Prior to joining Bidgely, he cofounded Fratics (acquired) that provided AI driven actionable business insights to enterprises.



Amit Kumar

Team Leader (EU-India CECP Project) and Partner

PwC India



Amit is Team Leader for the Technical assistance project on EU-India Clean Energy and Climate Partnership (CECP), leading the consortium of PwC, NIRAS, Eurochambres and CEEW.

Amit leads the Clean Energy vertical within the Advisory line of service in PwC India. Amit is graduate in electrical engineering, holds an MBA degree and has more than 28 years of experience in executing clean energy projects.

He has been assisting policy makers at central level like Niti Aayog, EESL, DHI in drafting of policy measures and program management for Electric vehicles, charging infrastructure and battery storage. He is assisting few multi-lateral and bilateral agencies on effective design and implementation of programs on clean energy. He has also advised states on assessing needs for storage at transmission level for better grid management and effective injection of renewable energy within the grid.

As a retainer consultant to Ministry of New and Renewable Energy (MNRE), Amit has assisted in formulation of India's 100 GW solar energy scale up plan. Amit has also prepared business plan for several public and private sector companies for their proposed investments in clean energy.

He is a professional of international repute and has experience of executing number of assignments in different geographies of the world such as India, Nepal, Bangladesh, Sri Lanka, Malaysia, Thailand, Netherlands, Italy, Germany, Switzerland, France, Belgium, UK, Tanzania, South Africa, Maldives, etc.



Anant Venkateswaran

ISGF Master Class Director



An experienced industry professional with over two decades of international experience in business, financial, regulatory/policy, operations and technology aspects of the energy and utility sector. Anant Venkateswaran serves on several technical, standards, advisory and tutorial committees and is a teacher, presenter, panellist, moderator and speaker at international venues including Distributech, ISGW, IEEE and CIGRE. Working across the globe, he has managed major technology investments and advised clients from visioning to validation. A senior member of the team accountable for strategy, trusted advisory/ consultative, thought leadership and partnerships, Anant has worked both in the traditional aspects of the grid as well new and emerging areas of Big Data, IoT, Cloud Computing and Smart Energy. Anant has worked with several industrial, utility & Govt customers globally. Anant is based in Denver, Colorado and is currently with GE's Grid Solutions business.



Andrew Ginter

VP Industrial Security

Waterfall Security Solutions



Andrew Ginter is the VP Industrial Security at Waterfall Security Solutions, leading a team of experts who work with the most secure industrial sites on the planet. Andrew is the co-chair of the ISA SP-99 Working Group 1 and is a frequent contributor to cybersecurity standards, regulations and post-secondary curricula. He is the author of two books, SCADA Security – What's broken and how to fix it and Secure Operations Technology, and is a co-author of the Industrial Internet Consortium Security Framework. Andrew has 20 years of experience, leading the development commercial products for industrial control systems, IT/OT middleware and industrial cybersecurity, and he holds a dozen industrial cybersecurity patents. Andrew was awarded BS AMAT and MS CS degrees from the University of Calgary.



Anil Thomas

Head of Section, Energy Advisory

DNV GL – Energy



Anil Thomas is Head of Section for DNV GL – Energy's Indian Advisory team since 2019 and is responsible for the Energy Advisory business in power sectors across South Asian countries. He has more than 11 years of experience in the above sector in India.

Anil Thomas has over 11 years of experience in the areas of power system operation coordination, commercial accounting of regional trades, transmission system planning, transmission system modelling, power system studies, transfer capability computation and techno-commercial issues in power systems operation with a special focus on the large-scale renewable grid integration.

Over the 11 years, he has worked with Southern Regional Power Committee (SRPC) and Central Electricity Authority (CEA) of India, towards the adoption and implementation of guidelines and regulation of CERC/CEA by advising the states in the Southern Region of India on power trade /markets/ technical specification regarding grid connection. He has worked with CEA/ CERC in framing Regulations, Codes and Standards from the perspective of market operations and control. He has also worked in the areas of market design and rules, market structure and products and payment mechanism of trade. He played a key role in creating an 'enabling' environment to support Integration of renewable energy by establishment overarching agreement in Southern Regional electricity market and gain consensus and support from the stakeholders in implementing overarching agreement among states for sale of power during contingency. He has led several analyses and has assessed the electricity market structure, market design, instruments and trade situation in Southern Region of India and played a major role in the identification of issues/challenges for regional electricity market development in the region.

Anil Thomas received his bachelor's degree in electrical and Electronics Engineering from Calicut University.



Anil Kadam

Solution Architect

Schneider Electric



BE (Electrical & Electronics), Master's Degree (Architect System -French L-7 CNCP & CESAMES), Certified Energy Manager (BEE-India)

Experienced professional with strong customer domain connect, leadership and business skills. Proven leader, successful in building and motivating dynamic cross functional teams to achieve both customer needs and business goals. Architectural visionary creating innovative solutions to enable game-changing outcomes for customers. Results driven style focused on customer needs and company goals.

Over 18 years of experience in Solution Architecting / Technical Marketing & Consulting / Pre-Sales & Business Development and Engineering in Energy Automation / Smart Grid Systems

Over 5 years of experience of Solution Architecting / Technical Marketing & Consulting / Pre-Sales & Business Development and Engineering in Smart City domains (Inter Active Command & Control Center, Smart Water and ITMS systems)

Recognized by Schneider Electric as Edison Group Senior Expert for excellence in technical, solution architecture and customer business process



Anil Shrivastava

Special Advisor for NITI Aayog and Mission Director for Nation Mission on Transformative Mobility and Energy Storage



Mr. Anil Srivastava has over three decades of working experience with Government in India. He has taken over as Adviser for Infrastructure Connectivity, Director General of Development Monitoring and Evaluation Office at NITI Aayog, after having done more than five years as Joint Secretary in the Ministry of Civil Aviation. Prior to this, he has held various senior level positions of responsibility including that of Chairman & Managing Director of Pawan Hans Helicopters Ltd. for three years. With the State Government he has held the positions of Secretary to the Government of various departments including Finance, Revenue, New & Renewable Energy, Commerce & Industries etc. He has also worked as Commissioner of Treasuries, Commissioner of Industries & Commerce, Managing Director of various PSUs, District Magistrate and Municipal Administrator. He has also served on the Boards of Optel Telecommunications, Hotline Glass, Fujitsu Optel, National Information Technologies, Air India, Airports Authority of India, etc.

He has represented India and led Indian Delegations to (i) ICAO Air Services Negotiation Event, ICAN-2014 at Bali, Indonesia (ii) Diplomatic Conference held at ICAO, Montreal to finalize and adopt a Protocol to amend the Convention on Offences and Certain Other Acts Committed on Board an Aircraft (Tokyo 1963) (iii)Air Show at Farnborough, La-Bourget, Moscow, Singapore etc. (iv) World Routes Conference at Chicago in 2014, Las Vegas in 2013 and in Abu Dhabi in 2012 (v) High Level Conference on Aviation Security (HLCAS) convened by ICAO, Montreal in September, 2012.

He is a Computer Engineer from IIT, Kanpur and a Management Graduate from IIM, Bangalore. He joined Maxwell School of Public Policy & Citizenship in fall 2002, completed his Masters in Public Administration in 2003 along with a certificate in Information Technology Policy and Management and pursued PhD in Social Science. Anil is a Fellow of the Computer Society of

India, his e-governance initiatives have won him awards. He has participated and presented papers in World Bank Conference on Transparency, Indian Science Conference and other conferences. He has participated in a three weeks Executive Education Program for Senior Managers in Government at Harvard Kennedy School of Government, Harvard University U.S.A.in 2016. He is driving e-mobility initiatives of Government of India at NITI Aayog



Anish Mandal

Pilot Manager,

USAID India Greening the Grid Program



Anish is a Director with Power & Utilities Consulting in Deloitte India. He is having more than 12 years of consulting experience in the PU sector, specializing in data modeling, analytics, corporate strategy and financial advisory. He is currently leading the work on Future of Energy – Battery Storage, RE Integration, EVs, etc.



Anjuli Chandra

Member

Punjab State Electricity Regulatory Commission (PSERC)



Ms. Anjuli Chandra, a Member at Punjab State Electricity Regulatory Commission(PSERC), is a former CPES cadre officer and Ex Principal Chief Engineer, CEA.

She is a gold medalist in Electrical Engineering from Thappar Institute of Engg and Technology and MBA Finance from Punjabi University, Patiala. She is a certified Energy auditor from Bureau of Energy Efficiency. During her stint at CEA, she worked around Renewable energy sources, power survey and load forecasting, power system monitoring, project appraisal and Distribution planning & Development. Prior to that, she served as the Executive Director Tariff & Engineering for Delhi Electricity Regulatory Commission.

In 2006 she was awarded by Central Board of Irrigation and Power for meritorious contribution to Power sector and in the year 2012, she was awarded for contribution of Women to Power sector by the National Council of Power utilities. Apart from her many contributions in power sector she was remained advisor cum consultant to the State of Jammu and Kashmir for APDRP programme of GOI. She has planned the Distribution system of Jammu urban area and Srinagar. She has also planned the Sub Transmission and Distribution system of Thimpu and Paro cities of Bhutan under the aegis of Ministry of Power and Ministry of External affairs GOI. She has prepared the 19th Electrical Power survey report of CEA which is the base document for perspective planning of power sector for the next 20 years.



Anshumali Bhushan

CEO

Genesis



Anshumali Bhushan has an experience of 14+ years behind him. Anshumali heads the Business Development division and is constantly on the move to discuss with customers, partners and also speaking at events. He has also worked with the of Cote'd Ivoire as a consultant for IT and Biotechnology. His current focus lies in identifying future growth opportunities for the organization and deliberating the business strategy to capitalize on them.



Antoine Jourdain

CTO

Enedis



Board member, SVP Head of Technical Division and International Development

Antoine JOURDAIN, age 50, is awarded a diploma from the Ecole Polytechnique. He began his career in 1992 in France as an engineer drilling on the underground storages of gas then in Houston in Texas on exploration production projets.

In 1997, he joined the distribution activity of EDF in Limousin and in Morbihan where he managed the whole customer activity.

In 2002 he is appointed to the management of the Strategy of GDF and worked on the IPO and the restructurings imposed by European Regulations.

IN 2006 he moved to Hungary where as Deputy Chief Executive Officer of Egaz-Degaz, subsidiaries of Engie. In 2008 he joined Eustream, the company in charge of the transit of Russian gas in Slovakia, as Chairman of the Board of Directors.

In 2012 he is appointed Chairman and Chief Executive Officer of SSE, in charge of the distribution and of the sale of electricity on a third of the Slovak territory.

Antoine JOURDAIN joined Enedis in 2014 as Interregional Director and in December 2017 he was promoted “Director Technique” (COO).



Arumugam Manthiram

Director

Texas Materials Institute, The University of Texas



Arumugam Manthiram is currently the Cockrell Family Regents Chair in Engineering and Director of the Texas Materials Institute and the Materials Science and Engineering Program at the University of Texas at Austin (UT-Austin). He received his Ph.D. degree in chemistry from the Indian Institute of Technology Madras in 1981. After working as a postdoctoral researcher at the University of Oxford and at UT-Austin with Professor John Goodenough, he became a faculty member in the Department of Mechanical Engineering at UT-Austin in 1991. Dr. Manthiram's research is focused on clean energy technologies: rechargeable batteries, fuel cells, and supercapacitors. He has authored more than 740 journal articles with 51,000 citations and an h-index of 113. He directs a large research group with about 30 graduate students and postdoctoral fellows. He has provided research training to more than 200 students and postdoctoral fellows, including the graduation of 58 Ph.D. students and 25 M.S. students. He is the Regional (USA) Editor of Solid State Ionics, Co-Editor of Ceramics in Modern Technologies, and an Associate Editor of Energy and Environmental Materials.

Dr. Manthiram is a Fellow of six professional societies: Materials Research Society, Electrochemical Society, American Ceramic Society, Royal Society of Chemistry, American Association for the Advancement of Science, and World Academy of Materials and Manufacturing Engineering. He received the university-wide Outstanding Graduate Teaching Award in 2012, the Battery Division Research Award from the Electrochemical Society in 2014, the Distinguished Alumnus Award of the Indian Institute of Technology Madras in 2015, the Billy and Claude R. Hocott Distinguished Centennial Engineering Research Award in 2016, and the Da Vinci Award in 2017. He was a Web of Science Highly Cited Researcher in 2017 and 2018.



A K Verma

Former Joint Secretary, MoP



Arun Kumar Verma was the former Joint Secretary, Ministry of Power, Government of India. He looked after the distribution reforms and schemes like DDUGJY, IPDS, UDAY, National Smart Grid Mission, including REC & PFC in the country. Before this he was looking after Hydro and related matters. He has specialization in distribution reforms in power sector, energy management, rehabilitation of stressed projects, grid modernization, multilateral environmental negotiations, sustainable development, participatory management of natural resource and economic reforms. Under his stewardship as Managing Director during 2008-11 the Uttar Gujarat Vij Company Limited (UGVCL)- a Government owned power distribution company, has won the first prize at IEEMA Power Award 2009, India Power Awards 2009 & 2010 for best rural Electrical utility and demand side management, and ICWAI Award 2010 for Cost Management. Government of India awarded UGVCL the Gold Shield of Power Sector for the best performance of 2010-11, under his stewardship. He is an Indian Forest Service Officer of 1986 batch borne on Gujarat cadre. He has done his M.Sc in Physics and also holds M.Sc. in Forestry. He holds a doctorate on the Impact of Policy Change on Tribal Development. He did his Post Graduate Programme in Public Policy and Management from Indian Institute of Management, Bangalore and has done dissertation on Indian Environmental Diplomacy. He was awarded Rashtriya Gaurav Award for his meritorious services, outstanding performance and remarkable role in 2009 by the India International Friendship Society, New Delhi.



Arun K. Mishra

Director

NPMU



Arun Kumar Mishra is Director, NPMU, established as part of National Smart Grid Mission, MoP. He also serves as Vice Chair of ISGAN which is a Technology Collaboration Program of IEA. Arun has more than 34 years of experience, predominantly in What, Why and How for power systems ICT solutions. He is distinguished member of CIGRÉ India - Committee on "Information Systems and Tele-communications" and BIS Sectional Committee of LITD10 for "Power System Control and Associated Communications". Arun is Electrical Engineering Graduate from NIT, Kurukshetra, has Advance Diploma in Management and is certified ISMS lead auditor.



Arbind Prasad

Chairman, Jharkhand ERC



Dr. Prasad was administered the oath of office of the Chairman, Jharkhand State Electricity Regulatory Commission (JSERC) on 17.07.2017 by Her Excellency the Governor of Jharkhand. Dr. Prasad has been Director General, Federation of Indian Chambers of Commerce and Industries (FICCI) from May, 2012 to March, 2016. He has also served as Managing Director of Invest India, has been a Member on the Board of Management of Delhi Technical University, on the Executive Committee of Bureau of Indian Standard (BIS), and on the CAG's Audit Advisory Board. Dr. Prasad has over 30 years of experience as an IAS officer (September 1980 to April 2012) working both in Government of India, and the State Government of Bihar. In Government of India, he served as Senior Advisor (Power & Energy), Planning Commissions and Joint Secretary, Social Defence. He was on the Board of Directors of Nuclear Power Corporation of India Ltd. (NPCIL), and Bhartiya Vidyut Nigam (Bhavini). In the State Government, in addition to various other assignments, he worked as Secretary to the Government in the Department of Energy, and Department of Institutional Finance & Program Implementation. He also served as Divisional Commissioner, Patna, and as District Magistrate of Districts of Patna and Saharsa. He has also been the Director of L.N. Mishra Institute of Economic Development and Social Change. Dr. Prasad has done B. Tech. in Electrical Engineering from IIT Kanpur (1974-79), and Masters and Ph.D. in Management from Yale University, USA (1994- 98). He was adjudged to be the best outgoing student of Electrical Engineering and awarded Gold Medal by IIT, Kanpur. He has been the recipient of Yale University Fellowship throughout his study at Yale University. Dr. Prasad has several publications including on Policy for Structural Reforms for India's Economic Development and other policy related issues.



ARVIND JADHAV

Chief Secretary

Government of Karnataka



Born in Dharwad District, Karnataka, Arvind Jadhav, graduated from Kanpur University in 1977. He is a post graduate in Geography and has Post Graduate Diploma in International Trade from IIFT New Delhi, Diploma in Export from IIFT Rome, and MBA from Curtin University, Australia 1998.

An IAS officer of 1978 batch is conversant in Kannada, Hindi, Marathi, English, French and German. Before being appointed as Chief Secretary to Government of Karnataka, he has experience in a number of sectors both in the State Government and the Central Government in various capacities. Starting his career as Assistant Commissioner, Nanjangudu sub-division, Mysore, he has held a number of positions which includes the posts of Deputy Commissioner of Chitradurga and Dharwad Districts ; Chief Secretary of Zilla Parishad, Bijapur District; Managing Director of Mysore Minerals, Karnataka Silk Marketing Board; Commissioner for Industries and Commerce; Commissioner Housing Board, Secretary to Government Energy Department, Principal Secretary to Government, Infrastructure Development Department, Chief Project Officer, Karnataka State highways Improvement Project, Additional Chief Secretary to Government, Tourism Department, Chairman, KUIDFC, and Chairman, Karnataka Appellate Tribunal.

In Government of India, he worked in the Ministry of Textiles (1986-1989), Ministry of Power and Ministry of Petroleum and Natural Gas (2001-2008), and also in the Ministry of Civil Aviation. He was CMD of Rural Electric Corporation and Power Finance Corporation and a director in a number of Navarathna companies. He was CMD of Air India from 2009 to 2011.

Having worked for almost 38 years in the State and Central Governments in various capacities in difference sectors, he has acquired professional proficiency in the fields of Administration, Management, Energy, Business Strategy, Policy formulation, Project Management, and Change Management.

Apart from his deep interest in the improvement of system of Administration and Management, he takes keen interest in issues like Animal Welfare, Arts and Culture, Economic Empowerment, Environment, Science & Technology.



Ashok Das

Founder and CEO,

Sun Moksha



Decades of experience in semiconductor equipment and clean technologies that spans across smart microgrids, IoT, renewable energy, smart water and rural electrification. Several years of experience in working on rural socioeconomic development with state-of-the-art technology interventions, “Smart Nanogrid” and “Smart AQUAnet”. Received several awards and accolades for these innovations. Developed the first Smart Village and the first Smart Island projects in India.

Consulting expertise includes technology & business solutions, market research, feasibility study, and advisory services to to institutions and businesses. Consulted to several national and international organizations such as the World Bank, UK-DFID, KfW, ADB, Ashden India, Climate Parliament, SIDBI, CII-GBC, and USAID/CTI-PFAN.Active in developing the entrepreneurial ecosystem for clean technologies across India. Founded & chaired the TiE Clean Tech Special Interest Group and established a vibrant entrepreneurial ecosystem. Guide and mentor entrepreneurs across the country.Worked for Applied Materials, Santa Clara, California, for ten years developing semiconductor processing equipment before moving to India to head the India Operations of a start-up Aquest Systems in semiconductor fab automation. Prior to Applied Materials, worked at MTCI on technologies to convert waste to clean energy.

Specialties:

Smart Microgrid, IoT and Cloud Systems, Smart Water, Software Development,

Rural Electrification and Socioeconomic Development, Solar PV Manufacturing and Equipment, Solar PV and Thermal (CSP) Applications, Energy Efficiency, Smart Grid and Green Buildings, Bioenegrgy for electricity and heat, Semiconductor Equipment Development ,Computational Modeling & Simulation.



Ashutosh Natraj

Founder and CEO

Vidrona Ltd



Dr. Ashutosh is the founder and CEO of Vidrona Ltd UK, He is an Oxford University researcher turned Entrepreneur with specialisation in Computer Vision with AI and Robotics engineering. He has actively been into Electrical Transmission and Distribution sector and Renewable Energies (Solar and Wind) to understand and solve challenging industrial problems as part of Vidrona Team.

He worked in the past on Robotics and Computer Vision research with drone/UAV implementation on Oxford University's EPSRC project on multi-UAVs along with their industrial partners and consortium members such BAE systems, Sellafields Ltd, National Nuclear Laboratory, Network Rail and Schlumberger. His PhD is in Robotics and Computer Vision for Unmanned Aerial Vehicles (UAVs). He has several international journal and conference papers in the areas of Computer Vision, Machine Learning and AI with Robotics. He closely collaborates with several leading industrial and academic research labs. He has varied work and research experience with the industry, research labs and universities.



Ashutosh Sharma

Secretary

Department of Science and Technology, GoI



Prof. Ashutosh Sharma is the Secretary, Department of Science and Technology, Government of India since January 09, 2015. He was a professor (1997-), an Institute Chair Professor (2007-) and the Head (2003-05) of Chemical Engineering, and the founding Coordinator of Nanosciences Centre and Advanced Imaging Centre at the Indian Institute of Technology at Kanpur. Ashutosh received his PhD from the State University of New York at Buffalo (SUNYAB; 1988) working with Prof. Eli Ruckenstein—a recipient of the US Medal of Science, his MS from the Pennsylvania State University (1984) and B.Tech. from IIT Kanpur (1982).

Ashutosh has served on the Governing Boards/Councils of over 15 prominent scientific institutions in India and has had a broad international experience as a research faculty at SUNY Buffalo School of Medicine (1988-90), visiting faculty at University of Texas at Austin, University of Western Ontario, University of Erlangen-Nuremberg and the World Class University Program of South Korea and as a Member of the European Research Commission.

Ashutosh's research contributions are highly interdisciplinary, spanning a wide range in nanotechnology; carbon based nanocomposites and MEMS/NEMS in energy, health and environment; functional interfaces; micro/nano-mechanics of soft matter; Nano-patterning and nanofabrication; colloid and interfacial engineering; biomaterials & biosurfaces; wetting, adhesion and thin polymer films;-- areas in which he has published over 300 peer reviewed papers, filed over 10 patents, given over 100 invited or key note conference presentations and mentored a nanotechnology startup.

Ashutosh is a recipient of numerous honors and awards including the inaugural Infosys Prize in Engineering and Computer Science, TWAS Science Prize of the World Academy of Sciences, Bessel Research Award of the Humboldt Foundation, J. C. Bose Fellowship, Bhatnagar Prize, Homi J.

Bhabha Award of UGC, The Syed Husain Zaheer Medal of INSA, Distinguished Alumnus Awards of IIT Kanpur and SUNY Buffalo and the Life-time Achievement Award of the Indian Science Congress.

Ashutosh is an elected Fellow of the Indian National Science Academy, The Indian Academy of Sciences, The National Academy of Sciences, India and Indian National Academy of Engineering, The World Academy of Sciences (TWAS) and the Asia-Pacific Academy of Materials. He has also served on the Councils of the first two. He has been an associate editor of ACS Applied Materials and Interfaces, Proceedings of Indian National Science Academy and ASME Journal of Micro- and Nano-Manufacturing and has been on the editorial boards of several journals: Carbon; ACS Industrial and Engineering Chemistry Research; Current Science; Nanomaterials and Energy; Chemical Engineering Science; Journal of Colloid and Interface Science; Canadian Journal of Chemical Engineering and Indian Chemical Engineer.



B. B. Mehta

Chief Engineer, State Load Despatch Center, Gujarat Energy Transmission Co. Ltd., Vadodara, Gujarat, India



Mr B B. Mehta is Chief Engineer, State Load Despatch Center at Gujarat Energy Transmission Corporation Limited (GETCO). He is overall in charge of efficient and secured Power System Operation and Control for the state of Gujarat. He is actively involved in Renewable Energy integration, System stability, electricity market economics, energy efficiency & smart grid for power system operation and has also played key role in implementation of Supervisory Control and Data Acquisition (SCADA) / Phasor Measurement Unit (PMU) for Wide Area Monitoring System (WAMs) / Renewable Energy (RE) forecasting solutions. He has represented Gujarat at various forums and presented many papers at national and international level forum. He is graduate engineer in electrical & electronics with master degree in engineering with specialization in computer systems & technology and having experience of more than three decade in the power sector.



BP Singh

Former Member

DERC



Sh. BP Singh is a graduate in Mining Engineering from IIT (Indian School of Mines), Dhanbad and has over 40 years of experience in the power & energy sector. Was Member in DERC (Delhi Electricity Regulatory Commission), till Sept'2018. He has issued three successive Tariff Orders for the period 2014 to 2018, being consumer friendly, were highly acclaimed at all levels. As a part of Power Sector Reforms, formulated progressive Regulations on Tariff, Net Metering and Demand Side Management and Modified SOP to make it more consumer friendly. Efficacious remedy for redressal of Consumer's Grievance has been enhanced by making the Regulations consumer friendly and initiated action for creation of legal aid cell for the benefit of the Consumer's.

Prior to taking up the assignment as Member DERC, he rose to the position of Director (Projects) in NTPC, where he additionally had also held assignments viz, Chairman, BRBCL; Chairman NTPC SCCL Global Ventures Pvt. Ltd; whole time Director of NTPC Hydro Ltd.; BFSNL Ltd. etc.

He has been part of numerous high level committees constituted by the Government of India for formulation of Plan proposals and Policies including Energy Policy, pricing of Coal etc.

He has actively participated in formulation of policies for the Regulatory Commissions under the aegis of Forum of India Regulators.

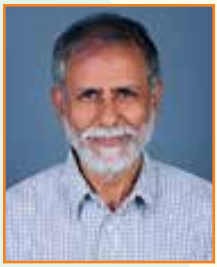
He had been associated with numerous professional institutions, viz

1. "Institute Senate Member' – Dr BR Ambedkar National Institute of Technology, Jalandhar

2. Member of General Body & Peer Review Committee of National Institute of Rock Mechanics under Ministry of Mines

3. Member of the Board of Construction Industry Development Council, joint council by Indian Construction industry and Planning Commission,

He had been adjudged and awarded Best Director Projects Corporate Excellence Award 2012-13 – GEOMINTECH; Awarded at Brisbane Dadari Project – awarded for project excellence in 25th IPMA World Congress at Brisbane in 2011. He is also Recipient of ISGF Innovation awards 2018 for Innovative Policies and Regulations Promoting Renewable and Smart Grid in India – Award Level "Diamond"



Balu Ramasamy

Director

Oracle Utilities Solution



Balu has over three decades plus experience in the IT industry, across India, Middle East, and Asia Pacific. Balu worked in custom development of IT applications for large enterprises in India and Middle East during the first 15 years of his career. Balu has worked at Oracle for the past 18 years, at various roles, across industries, a trusted consultant, experienced in many Oracle Applications (horizontal and vertical) along with Oracle technology.

For the past 6+ years Balu has been Director – Utility Solutions for Oracle Utilities Global Business Unit's Sales Consulting Team – Asia Pacific. Balu consults to Oracle Utilities Applications Sales in the APAC region, supporting Solution Integrators and DISCOM's in India's R-APDRP Projects, Smart Grid Pilot Projects, and IPDS Projects.

Balu is an alumnus of PSG College of Technology, Coimbatore, and IIT Kharagpur.



Barry Gardiner

Member of Parliament for Brent North, House of Commons, London and Shadow Secretary of State for International Trade and Climate Change



Barry Gardiner is the Labour MP for Brent North, and has been an MP continuously since 1 May 1997. He currently undertakes the roles of Shadow Minister (Department for Business, Energy and Industrial Strategy) (Energy and Climate Change), and Shadow Secretary of State for International Trade.



Benjamin Hickman

Regional Technical Advisor

UN District Energy in Cities Initiative (UN DES)



Benjamin Hickman is a Regional Technical Advisor for Asia and Europe within the United Nations Environment Programme's District Energy in Cities Initiative. Based in New Delhi, He manages UN Environment's activities across Asia and Europe as they relate to district energy systems. In addition, He provides technical support for UN Environment's wider-engagements in India and globally on smart cities, sustainable cooling, refrigerants, e-mobility and power sector decarbonisation. His current focus is on accelerating investments and policy development on district cooling and trigeneration in India – in close collaboration with other UN agencies, banks, national government, utilities, cities and industry.

He began working for UN Environment in 2014, helping to conceptualise and establish the award-winning District Energy in Cities Initiative and UN Environment's role as a leading voice promoting district energy systems as key for countries to meet the Sustainable Development Goals, Paris Agreement and Kigali Amendment to the Montreal Protocol.Prior to joining UN Environment, I worked in a UK energy consultancy advising government and industry clients on diverse topics including energy technology, policy/ regulatory, valuations, market forecasting and scenario modelling.



Dr. Bhajan Lal Rollan

Joint Transport Commissioner
(Pollution Control)

Transport Department
Government of Rajasthan



Dr. Bhajan Lal Rollan is Joint Transport Commissioner (Pollution Control) in the Department of Transport, Government of Rajasthan. He is the nodal officer appointed by the Department for development of the Rajasthan Electric Vehicle Policy. Besides his current EV policy engagement, he is also responsible for all regulatory issues pertaining to vehicular emissions and leads the initiatives to promote clean mobility in the state. Dr. Rollan has also played a key role in e-governance related initiatives in department.

Dr. Rollan has a keen interest in the e-mobility and has represented the state government at several national forums on development of e-mobility ecosystem. Dr. Rollan holds a masters in e-governance from IIM Indore. He also holds a Doctorate in Botany from Rajasthan University.



Chandan Chowdhury

Associate Dean and Practice Professor

Indian School of Business



Chandan Chowdhury is Associate Dean and a Practice Professor of Operations Management and Information Systems at the Indian School of Business (ISB). He is also the Executive Director leading the (1) Munjal Institute for Global Manufacturing and the (2) Punj-Lloyd Institute of Infrastructure Management at ISB. Professor Chandan did his MS in Mechanical Engineering and has doctorate from the Hungarian Academy of Sciences and the Budapest University of Technology and Economics (formerly known as the Technical University of Budapest). Professor Chandan has been the recipient of numerous awards and his special areas of interest are operations and manufacturing management, innovation and 'Technology Enabled Business Transformation' and smart and sustainable city. Prior to joining ISB, he served three top multinationals as Managing Director and Country Manager. He was CEO and Member Board of Directors at IFS-India (a 100% subsidiary of Industrial and Financial System, a Swedish Multinational, listed in Stockholm focussing on enterprise applications). He was also the Country Manager at IBM-Software Group (Strategic Accounts). Prior to joining ISB, he served Dassault Systemes over 5 years, initially as a Managing Director-India and subsequently as Vice President-Global Affairs. Dassault Systemes is a European multinational operating from approximately 140 countries. He was also a Member, Board of Directors at Dassault Systemes-India. He has lead business transformation initiatives in many leading corporates both in government and private sectors. Professor Chandan has an excellent blend of academia and industry. During his last academic stint, he was a Professor, Dean (Academy), Chairman (Board of Research) and Member (Board of Governors) at NITIE (National Institute of Industrial Engineering, established as a joint initiative between United Nations and Government of India in 1963). He is passionate about leveraging technology to make the world a better place to live in.



Chetan Maini

Co-Founder, Vice Chairman

SUN Mobility



Chetan Maini is an Indian business magnate. He is best known as the founder and advisor of Mahindra Reva Electric Vehicle Co Ltd. In past Chetan Maini served as Chief Executive Officer, Chief of Technology and Strategy officer and Deputy chairman at Mahindra Reva Electric car Co Ltd. In 2009 Business week magazine voted Mr.Chetan Maini as one of the India's "Top 50 Influential people" He built India's first electric car, the REVA, and he also managed to transport it from green street to main street. He holds over 40 patents in Battery and Energy management systems in electric vehicle technologies. Chetan Maini has over 20 years' experience with electric vehicles during the course of which he has developed over six electric, solar and hybrid-electric cars in India.



Christine Falken-Grosser

Consultant

European Commission



Christine Falken-Grosser is heading the division for Bilateral Energy Cooperation within the Federal Ministry for Economic Affairs and Energy. Previously she headed the German Delegation to the Paris Club and worked in the field of foreign investment finance policies and with multilateral development banks. For four years, Dr. Falken-Grosser served as the Economic Counsellor of the German Embassy in Bangkok, Thailand, where she supported German companies in their endeavours abroad and coordinated the bilateral cooperation between Germany and the Kingdom of Thailand with regards to industry, energy, climate and science. Before moving abroad, Christine took part in several bilateral trade negotiations regarding services and investment with Canada, Japan and Vietnam amongst others. A former responsibility included the negotiation of the 3rd trading period of the Emissions Trading Scheme in Brussels. She holds degrees in Economics and Business Studies and a doctorate in Public Finance, was born in Leipzig and is married with two children.



Christophe Arnoult

Head of Division

Federal Ministry for Economic Affairs and Energy (BMWi)



Christophe Arnoult is currently Head of the "Large Projects and International" department at Electricité Réseau Distribution France (ERDF) in the Mediterranean Region.

Born in 1956, Christophe Arnoult graduated as a Civil Engineer of Mines in 1979. He started his career with Procter and Gamble in Paris before joining EDF in 1980 as planning engineer of the LV network in Paris.

He then held several positions in the operation division in the northern suburb of Paris and was called in 1990 by the distribution Headquarters in Paris to lead a project aiming at improving the quality of supply in large urban areas.

In 1993, he moved on to the international division of EDF as area manager for Northern Europe, in charge of mergers and acquisitions before becoming in 1998 project manager for the setting up of the energy trading subsidiary of EDF: EDF Trading.

In 2000, he became Chief Administrative Officer of EDF Trading, based in London. He held as well the position of secretary of the Risk Committee. He was also member of the Board of Capcol, the fossil fuel purchasing subsidiary of EDF.

Back to France in 2005, he became project manager to achieve a major reorganisation of the logistics functions of the Mediterranean region. Since 2011, ARNOULT leads NICE GRID, the Demo6 of GRID4EU.



Christophe Feuillard

Vice President

EDF International Networks
For Asia



M Christophe FEUILLARD is EDF International Networks VP for Asia.

He was Previously in charge of Business Development in China for EDF International Networks.

Prior to this, Christophe Feuillard was working in Enedis, distribution system operator in charge of operating, developing and maintaining the medium-voltage and low-voltage power grids across 95% of France's mainland territory.

He managed an Electricity Distribution Business Unit based in central France, in charge of the global performance of this Unit (operation, maintenance and development of the network of more than 35 000 kms).

He has been working for EDF Co for more than 20 years and has led several major projects in the Distribution field in France and overseas.

In his earlier career, he worked 10 years in other companies (Thales and Dassault Co) on the international market.



Christian Schaffner

Executive Director of the
Energy Science Center (ESC)

ETH Zurich



Since September 2013, Christian Schaffner is the Executive Director of the Energy Science Center (ESC) of ETH Zurich in Switzerland. The ESC is an inter-disciplinary competence centre to promote energy research and teaching at ETH. It aims to facilitate the deployment of an environmentally friendly, reliable, low risk, economically viable and socially compatible sustainable energy system. Linking over fifty professors from eleven ETH Zurich departments, the ESC enhances cooperation between ETH Zurich, industry, government and society on energy related issues.

Before that, Christian Schaffner was with the Swiss Federal Office of Energy as head of the grid section, responsible for the development of a grid expansion strategy and a smart grid road-map. He was also involved in the bilateral negotiations between Switzerland and the European Union regarding a contract on energy supply. He received his M.Sc. degree in Electrical Engineering and his PhD degree in Electric Power Systems from the Swiss Federal Institute of Technology (ETH) Zurich in 1998 and 2004, respectively. In addition, he received a diploma in higher education teaching from the same institution in 1999.



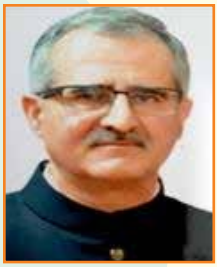
D. Madhan Mohan

R&D Team lead for Grid & Power Quality Solutions, Grid Integration

ABB (Automation company)



He received his diploma from Bhakvatsalam Polytechnic, Kanchipuram in 1998, Bachelor degree in Electrical and Electronics from Madras University in 2001 and Master degree in Power Systems from Government College of Technology, Coimbatore in 2004. He pursued his doctorate from Indian Institute of Technology Delhi in 2009 in the area of power electronics application to power system. He joined ABB in 2009 as a Scientist in Grid System R&D. Presently he is a R&D Team lead for Grid & Power Quality Solutions, Grid Integration, ABB Global Industries and Services Ltd, Chennai. His field of experience includes HVDC, FACTS, Power Quality, Power Semiconductors and its applications and Electric Vehicle & Chargers.



D.S. Dhesi, IAS

Chairman

Haryana Electricity Regulatory Commission



Sh. D.S. Dhesi, retired on 30.06.2019 after serving as Chief Secretary, Haryana for four and a half years. He joined the Haryana Cadre of IAS in 1982 after completing his Post Graduate degree in Economics from Panjab University, Chandigarh. During his 37 years of service, he served as the Administrative Secretary of many departments including Personnel, Vigilance, Environment, Forests, Cooperation, Sports and Youth Welfare and Town and Country Planning. He also worked in the Chief Minister's Secretariat from 1996 to 2003. He had a stint of four and a half years in the Department of Commerce, Government of India, where he worked as Joint Secretary and Additional Secretary dealing with trade issues of Africa and West Asia. He has travelled extensively to different African Countries. He has good knowledge of the working of Power Sector. He presided over Ten meetings of the UDAY Monitoring Committee between 2016 and 2019. As Chairman HERC, his focus is on improving transparency, efficiency and redressal of consumer grievances.



Dana Purcarescu

Deputy Head of Mission

French Embassy (India)



Dana Purcarescu is Deputy Head of Mission at the French Embassy in India since August 2019.

Previously she headed the Situation Center of the French Ministry of Europe and Foreign

Affairs. In Paris, she served in the Office of the Prime minister and the Directorate for

Strategic Affairs, Security and disarmament. A career diplomat, she served in Brussels, Berlin and Washington.



Daniel Bradley

Team Leader – Low Carbon Growth,

DFID



Daniel Bradley Daniel Bradley has led the Energy and Low Carbon Team at the British High Commission in New Delhi since 2016. This takes forward the India-UK Energy for Growth Partnership, to deliver secure and sustainable energy in India. Based in Delhi since 2013, he previously led UK government initiatives to spread affordable Indian innovation to South Asia and Africa. Dr. Bradley's previous assignments with the UK Department for International Development in London (2003-2007) and Brazil (2007-2013) focused on policy development and collaborative partnerships on issues ranging from climate change, forests, agriculture and food security. He has prior experience in independent consultancy, civil society, and research at the human/ environment nexus. Bradley holds a PhD in livelihood adaptation (1999) and a first class honours BSC in geography (1994), both from Leeds University



Daniel E. Nordell

AMI Leader, XCEL Energy



Daniel E. Nordell received the BSEE degree with distinction from the University of Minnesota in 1970. He has been employed by Xcel Energy (formerly Northern States Power Company) since 1969. During that time he has been engaged in long-range research activities on a variety of utility system problems including the development and testing of new communication technologies and architectures, advanced distribution automation techniques, and state-of-the-art metering and automatic metering systems. He is currently working on the deployment of solid-state meters in an automatic meter reading system. He has been an active participant in the development of the Utility Communication Architecture (UCATM) and IEC61850 standards and is a member of the IEEE Power System Communication Committee and of the US delegation to the International Electrotechnical Commission. He is a contributing member of the ANSI C12 electricity meter standards committee. Mr. Nordell is a registered professional engineer in the state of Minnesota.



Daniel Maître

Head of the Regional Economic Service India and South Asia

French Embassy (New Delhi)



Daniel Maitre is the Head of the Regional Economic Service for India and South Asia at the French Embassy in New Delhi. He had the same responsibilities in Central America,

Russia, Central Europe, Morocco and Egypt. He has also held various positions in France, in the Treasury Directorate General of the French Ministry of Finance, always in the field of international economic relations. He is a graduate of the Ecole Nationale des Ponts et Chaussées and the Ecole Nationale d'Administration.



Daniel Rüffer

Business Development Manager,
Sensirion AG



Daniel has been with Sensirion since 2014 in various roles. The company is based out of Staefa, Switzerland. He earned his PhD (Physics) from EPFL, Lausanne (Switzerland) and a Master's in Physics from the Technical University Münich (Germany).



Debasish Banerjee

Managing Director (Distribution)

CESE Limited, Kolkata



An Electrical Engineer with proficiency in Business Management, having rich and diverse industry experience. He has started his career from GEC and moved onto Crompton Greaves and Schneider Electric where he was heading Business Operations in End-user, Utilities, Industry & Dealer domain.

In his last stint as CEO of Reliance Energy, he contributed in improving Operational Efficiency significantly, through Business Processes Reengineering & Automation while Optimizing Cost, thus enhancing Bottom line and Customer Delight.

In his current capacity as MD Distribution of CESC he has ushered in a transformation journey to lift CESC to the next level & prepare it for facing any Competition by turning it into an Agile, Customer Centric & Cost-Effective Digital Utility.

In pursuit of his passion to transform Power Distribution business into a Digital Utility, he effectively deploys latest cutting-edge Technologies for radical change and is continually engaged in embracing disruptive Technological Innovations & adopting Industry 4.0, for delivering a Real Time, Digital Experience, riding the new waves of Mobility, loT, Big Data Analytics & AI.



Deepak Panday

Operations Leader,

GE Software Solutions
-South Asia



Deepak heads Digital Grid Business of GE T&D India Limited. He has over 25 years of rich experience in the areas of business operations and has lead implementation of various technology and complex projects.

Deepak is graduate in Electronics and Communication and MBA in Finance & Operations.

Prior to joining GE, Deepak was heading operations of Automation business of Siemens. Deepak has also worked in L&T for 10 years.



Dharmendra Tomar

Deputy General Manager

Tata Communications



Dharmendra Tomar (Dy GM) is heading the Sales & Business Development activity for Tata Communications' IoT business. He has 20 years of rich experience in automation & deployment of new technologies in Telecom, Transport, Energy & Power sectors globally with leading key functions as engineering, project management, tendering, sales & marketing. He has worked in various capacities & functions for PSU Andrew Yule & Company & major multi-nationals such as Areva, Alstom and General Electric in past. Dharmendra has a B.E. (Electronics & Telecommunications) from BIT Bhilai.



Disha Sharma

Energy Efficiency Coordinator

India with the International Energy Agency (IEA)



Ms. Sharma is currently working as an Energy Efficiency Coordinator–India with the International Energy Agency. She has almost 7 years of experience in clean energy and environment sector. She is currently engaged with the IEA in managing the energy efficiency work programs and portfolio with Bureau of Energy Efficiency in India

Prior to joining IEA, Ms. Sharma worked with International Institute for Energy Conservation and The Energy and Resources Institute (TERI). Where she worked on developing the Energy Productivity Roadmap for India and on energy benchmarking, GHG scenario modelling and policy advocacy with special focus on the buildings sector. During the time at TERI, she managed many program on improving energy efficiency in both commercial and residential building sector in India. Ms. Sharma is an Electrical Engineer and holds a Master's Degree in Energy Studies from the Indian Institute of Technology, Delhi.



Dinah M. McDougall

Commercial Officer U.S.
Department of Commerce



Dinah McDougall serves as a Commercial Officer at the U.S. Embassy in New Delhi, India. Her previous overseas assignments include Moscow, Russia (2013-2016), Mexico City, Mexico (2009-2012) and Brasilia, Brazil (2005-2007). She also served as Director of the U.S. Export Assistance Center in McAllen, Texas (2007-2009), where she contributed to the U.S.-Mexico Border Initiative and cross-border trade promotion efforts.

Dinah currently leads India's team of energy specialists, tracking developments and opportunities in every sub-sector from power generation through distribution. While in Moscow, Dinah was a subject matter expert on economic sanctions imposed on the oil and gas industry, and gave guidance to U.S. exporters and their Russian business partners on balancing commercial opportunities with exporter compliance requirements. In 2015, she participated in the Foreign Service Officer Energy Industry Training Program sponsored by Houston's Petroleum Equipment & Services Association (PESA) and the U.S. Department of State. Dinah has served with the U.S. Department of Commerce's International Trade Administration since 1998. Prior to joining the Foreign Commercial Service, Dinah served as the Desk Officer for Chile and then Brazil, within the Market Access and Compliance division, working with bilateral and multilateral trade policy issues. She helped negotiate the market access and rules of origin chapters of the U.S.-Chile Free Trade Agreement, and counseled U.S. industry on the provisions regarding origin requirements, tariff schedules and other benefits. In 2003, she detailed with the Office of the United States Trade Representative to assist in the ratification and implementation of that agreement. Prior to that, Dinah served three years as a Trade Specialist in the Import Administration, working on antidumping investigations and reviews.

Dinah holds a BA in Economics from the University of Texas at Austin. Dinah worked as a consultant at Citibank during a Fulbright Fellowship (Mexico

City, 1997-98), in which she studied the early effects of NAFTA on Mexico's financial sector and risk management strategies in the banking industry. She speaks English, Spanish, and Portuguese.



Dwijadas Basak

Chief Commercial in Tata Power Delhi Distribution Ltd



Mr. Basak is presently working as Chief Commercial in Tata Power Delhi Distribution Ltd. and has an experience of 28 years.His key role includes handling activities related to Customer Care, Metering, Billing, Revenue Collection and Recovery, New Connection Applications, Loss Control, Smart Metering, Demand Side Management and Renewable Energy Resources



Edwin Koekkoek

(Counsellor on Energy and Climate Action, Delegation of Euroean Union to India)



He studied Environmental Sciences at the Wageningen University & Research in the Netherlands. He worked for 7 years in the Netherlands' Ministry of Environment, in the first 5 years as part of the Dutch delegation to the UN Climate Change negotiations (UNFCCC), the UN aviation organization (IACO) and the UN maritime organization (IMO), and in the last 2 years as senior policy advisor in the area of air quality. He then worked for almost 5 years for the Environment Committee (ENVI) of the European Parliament, in the area of climate change and renewable energy. After that he specialized in the legislative procedures of the European Union and the negotiations between the Parliament and the Council of the European Union. In total he worked 11 years in the Parliament, during which he also worked in the Cabinet of the President of the European Parliament, advising him on energy and climate change issues.



Eddie Widiono

Chairman, Indonesia Smart Grid Initiative (PJCI)



Eddie has worked in the Indonesian Power Sector mainly with PT PLN for more than 18 years in the capacity of Department Head or Director. He was the President Director of PT PLN (PERSERO) and before reaching this position also acted as Director, Marketing and Distribution and Head Network Operations and Logistics for PT PLN (PERSERO).

He has also served PT PLN PJB as Director Commercial and Development. He is also a member of Indonesia Engineer Association (PII), Indonesian Professional Engineer Association, Institute of Electricals & Electronics Engineers (IEEE) and Indonesia Cyber Security Forum (ICSF). Besides this, he is also the founder of Indonesia Electricity

Society and a member of Board of Supervisions in Indonesia Energy Conservation & Energy efficiency Society.

Eddie is an Electrical Engineer graduated from Institut Technology Bandung with Masters in Control Systems from Imperial College London and also has done MBA in International

Management from Business Institute of Prasetiya Mulya, Jakarta, Indonesia.

Eddie strongly encouraged Indonesia in the transition of energy use for Indonesia towards the use of renewable energy. This was proven by the education he provided through the organization he founded, namely the Smart Grid Initiative Indonesia (2013) which he successfully brought to the international scene through the Global Smart Grid Federation (2018).



Eija-Riitta Korhola

Former Member

European Parliament



Eija-Riitta Korhola is a former member of the European Parliament (1999-2014) and a specialist in communication and consultancy in EU-affairs. Currently she is a Delegate of the Consultative Commission on Industrial Change (CCMI) at European Economic and Social Committee in Brussels and and a professional board member, serving companies concentrating on clean tech.

She has more than 15 years of experience in European lawmaking, especially in the field of energy, climate, environment and the internal market. Having written and defended her doctoral thesis on climate politics (The Rise and Fall of the Kyoto protocol – Climate Change as a Political Process) she has a unique combination of academic research and political decision-making. She is a visiting senior fellow at Tsinghua-Brookings in Beijing. She is also a member of the steering committee of ICEF, Innovation for Cool Earth Forum. Prior to becoming an MEP she worked with development aid, journalism and business consultancy.



Faruk Kazi

Professor

VJTI, Mumbai



Dr. Faruk Kazi received his Ph.D. degree from Systems & Control Engineering of Indian Institute of Technology (IIT) Bombay, in 2009. He is currently a Professor in Electrical Engineering Department & Dean of Research at VJTI, Mumbai, India.His research interests include cyber-physical systems and critical infrastructure protection. He is working as Chair of WG-3 (Digital Architecture and Cyber Security) of India Smart Grid Forum (ISGF), PPP initiative of Ministry of Power, Government of India. He is also working as Consultant for Tata Consulting Engineers (TCE) on Smart Grid Projects. He was a member of Maharashtra Smart Grid Coordination Committee (Maha-SGCC). He was invited as a visiting research scholar at Swiss Federal Institute of Technology, EPFL, Switzerland, Tufts University and MIT Energy Initiative, Boston, USA. He has delivered invited talks and presented his research work at SUPELEC, CNRS, Paris (France), Budapest (Hungary), Florence (Italy) and Japan. He has published more than 90 research papers in IEEE journals & conferences. He has received project funding from ISRO, BARC and DST for his various research projects. He is currently working as Principal Investigator (PI) & Coordinator of Rs 5 Cr World Bank funded Centre of Excellence (CoE) in Complex & Nonlinear Dynamical Systems (CNDS). He is also working as Faculty Coordinator of DST funded Start-up Incubator at VJTI dedicated to energy security.



G Raghuma Reddy

Chairman & Managing Director

Telangana State Southern Power Distribution Company Limited (TSSPDCL)



Sri G. Raghuma Reddy, has assumed charge as Chairman & Managing Director of the company on 19.7.2014.Sri G.Raghuma Reddy, an Engineering Post Graduate from Osmania University College of Engineering joined in erstwhile APSEB as Assistant Engineer in the year 1978 and rose to the position of Chief General Manager in TSSPDCL.

As ADE/Op./Champapet, he has designed, developed and implemented the present open wiring system on all rural distribution transformers in place of LT cable arrangement. Sri G. Raghuma Reddy was promoted as Divisional Engineer and posted as DE/Op./Asmangadh in 2001.

Sri G. Raghuma Reddy, as Superintending Engineer, SCADA Circle prepared the Master Plan for total city for enhancement of PTR capacity and alternate source to EHT Sub Stations.

During 2006, Sri G. Raghuma Reddy was transferred as SE/ Operation, RR South Circle. During the tenure as SE/Operation/RR South, % Meters sales w.r.t input increased from 59.07 % to 62.17%, demand raised form 200 Crores to 280 Crores. 43 Nos. Power transformers and 30 Nos. 2MVA Capacitors banks added in the system. 33 KV alternate source from EHT Sub-Stations was provided to 10 Nos. 33/11 KV Substation to maintain reliable supply.



G. Ashok Kumar

Mission Director

National Water Mission (NWM)



An IAS officer of the 1991 batch and belonging to the Telangana Cadre, Asok Kumar G., has made significant and diverse contribution to the Water and Sanitation Sector.

Presently he is the Mission Director, National Water Mission (NWM) and also Executive Director (Projects) in the National Mission to Clean Ganga (NMCG).

As Mission Director, NWM he has started "Water Talks" which is held in the third Friday of every month, starting from the World Water day, March 22, 2019. In these "Water Talks" eminent personalities/ activists from the theoretical and practical field of water conservation, water management and water technology share their insights and experiences. He is in charge of the National Water Mission Awards, to be presented for the first time in September, 2019. The awards, in 10 categories, carry a total prize money of Rs 45 lakhs.

As ED (Projects), NMCG, he is monitoring the implementation of works estimated over Rs 20,000 Crores related to the cleaning of Ganga river in its 11 basin states.

Perhaps the most significant achievement of this winner of "Jal Mitra" award from the Government of Andhra Pradesh (under Sri Nara Chandrababu Naidu) and the first TEX (Telangana Excellence) Award by the Government of Telangana (under Sri K.Chandrasekha r Rao) for Outstanding work done in Public Administration, is the successful completion of over 1.20 lakh Individual Sanitary Latrines (ISLs) in Nizamabad District in the year 2002. Conceived, planned and executed under the leadership of Sri Asok Kumar, who was then the District Magistrate and Collector of Nizamabad district, (in erstwhile Andhra Pradesh State), presently in Telangana, this locally conceived project, aptly named "Shubrata" was originally intended to

complete One lakh pucca Individual Sanitary Latrines (ISLs) in the houses belonging to the people living Below Poverty Line in SIX months (June-December, 2002). With the massive participation of the people, not only the target was successfully achieved, but it went on to complete another 20,000 more ISLs. (This was even before the advent of the Atal Nirmal gram Yojana and the Swatch Bharat Mission.) "Shubrata" was a perfect example of convergence of funding from schemes like the Total Sanitation Campaign and Food for work program of the Government of India, the contributory funding of the total sanitation program by the Government of Andhra Pradesh; the funds from the local bodies and local contribution in addition to the beneficiaries contribution- either in cash or kind and implemented with overwhelming public participation. The foundation of the "Shubrata" program was another local initiative which built toilets in 1000 government schools, particularly for the girls in the year 2001-2002 with UNICEF assistance. Girls from these schools acted as the main motivators and drivers of the massive construction of pucca latrines (and many cases with expanded area to include a space for bathing) in their house hold, encouraging their mothers to demand these ISLs at home.

Earlier habitation wise drinking water committees were also formed in all 1168 habitations. The combined effect of these initiatives resulted in a drastic decrease in diarrhoea cases in the following year.

As Managing Director of Hyderabad Metropolitan Water Supply and Sewerage Board (HMWSSB), he

(a) started the Daily Water Supply in the core city of Hyderabad after a gap of 24 years on14/11/2008;

(b) completed the 339MLD Sewerage Treatment Plant (STP) at Ambarpet; 172 MLD STP at Nagole and 30 MLD STP at Nallacheruvu and started the work on 30 MLD STP at Attapur;

(c) completed Krishna Water Phase II project to bring 90 MGD water to Hyderabad from Krishna River (inaugurated on 19/7/08);

(d) Constructed a corporate office building for the Board (All these projects were inaugurated by Dr YS Rajasekhara Reddy, CM of Andhra Pradesh);

(e) constructed 14 new water reservoirs in Hyderabad under JnNURM

(f) prepared project report, obtained government approval (on 1/10/08) and started the work on Rs 3375 Cr, 120 MGD Godavari Water Supply Scheme to bring water from Godavari river, 186 kms away to the city to meet futuristic needs of Hyderabad

(g) Set up the Hyderabad Water and Sewerage Museum

(h) Commissioned the Rs 10 Cr SCADA system for monitoring reservoir water level and its chlorine content

(i) introduced GPS monitoring of water tanker movements in the city. For these efforts the HMWSSB was awarded the National Urban Water Award by the Ministry of Urban Affairs, GoI in 2009.

As Vice Chairman, HUDA (Hyderabad Urban Development Authority) Asok Kumar initiated restoration and renovation of many other lakes in Hyderabad city. Completed the STPs and parks at Safilguda lake and Langar Houz. Organized massive tree-plantation drives in the city, the bissest one being the one day-two lakh tree plantation drive on 26/7/04.

As Project Officer, Integrated Tribal Development Agencies (ITDAs) of Bhadrachalam and Utnoor, implemented the IFAD funded Andhra Pradesh Participatory Tribal Development Program (APPTDP) in the scheduled remote and interior tribal villages of Adilabad and Khammam districts. In Adilabad district, under APPTDP introduced soyabean cultivation (in 1995), which led to diversion of large area under cultivation of cost-intensive-cotton crop to Soyabean crop in a short period. Under APPTDP, in Bhadrachalam, 132 micro irrigation tanks, each with ayacut between 20-100 acre, were constructed with active participation of tribal population. 94 new lift irrigation schemes to lift water from Godavari river and 67 borewells to irrigate lands of tribal farmers were developed.

As Collector of Nizamabad, he started the cleaning of Phulong river and removal of encroachments from its banks in 2002.

Rejuvenated and restored a lake in Nizamabad. As a token of their appreciation, this lake near Janakampet is now named as “Asok Sagar” and is a local tourist attraction. This lake has a 18ft statue of Goddess Saraswati installed in the middle of the lake and a restaurant on its banks.



Dr. G. Ganesh Das

Chief Operating Officer, Clean Energy International Incubation Centre (CEIIC), an initiative of Government of India and Tata Trusts & Head – Collaborations & Smart Grid Lab, Tata Power Delhi Distribution Limited, Delhi



Dr. G. Ganesh Das is a PhD in the area of Strategic Marketing & Consumer Behaviour from Indian Institute of Technology, Delhi, India, Post Graduate in Management and LLB from University of Delhi besides having an executive qualification on Export Management from Indian Institute of Foreign Trade. He is a Visiting Scholar at Massachusetts Institute of Technology, Cambridge, Massachusetts, USA and Honorary Fellow at the Centre of Urban Energy in the Faculty of Engineering and Architectural Sciences, Ryerson University, Toronto, Ontario, Canada.

Professional experience spans around 32 years in the area of Technology Management, Collaborations & Partnership Development, Strategy Planning, Innovation Management, Consumer Management, Digital & Business Intelligence, Corporate Performance Management, Business and Market Development, customer relationship management in the area of Power, Smart Grid, Technology, Solar Renewables, Electric Vehicles Infrastructure, Automotive, Services across international geographies. Has done significant researches in the areas of consumer behaviour and strategy with papers written on the subject in international Journals. He has also co-authored a book 'Aesthetics in Marketing' published by Sage Publications, Los Angeles, London, New Delhi and Singapore.

He was the part of the global team involved in conceptualizing, development and enablement of "Smart Grid Maturity Model" (SGMM) whose rights now rests with Software Engineering Institute (SEI), Carnegie Mellon University (USA). One of his key areas of interest is looking at how changing technologies derives from and improves quality of consumer life with papers published in the areas of energy management technologies and strategies in the demand side management of energy. He has presented papers and participated in panel discussions in more than 50 international conference in relation to electricity distribution, energy and Smart Grid including Electric Vehicles and Renewables.



Gaurav Sharma

Assistant Vice President (Smart Grid & CES)

BSES Yamuna Power Limited



Gaurav is an electrical engineer with over 15 years of experience in power distribution. He joined BSES Yamuna Power Ltd (BYPL) in 2003 and has worked across diverse domains including Smart Grid, Engineering, Planning, Metering, Protection, Testing and Commissioning.

Presently he is leading the Smart Grid & Engineering domains at BYPL with focus on developing a Smart Grid roadmap that leverages technology and innovation for achieving primary business objectives including AT&C loss reduction, reliability enhancement, operational efficiency improvement and customer satisfaction. He is working on pilot projects for evaluating promising technologies in smart metering, substation monitoring, energy storage and e-mobility space to build sustainable business models. He has played a key role in implementation of SCADA, Distribution Automation and Automatic meter reading projects in BYPL.



Gopal K. Saxena

Former CEO

BRPL and BYPL



Gopal Saxena was born in November 1950 and after his schooling from St. Columba's High School, New Delhi, he graduated from IIT Kanpur in 1972. He has also completed an Advance Management Programme from Administrative Staff College of India (ASCI) in collaboration with INTAN, Malaysia and Commonwealth Sectt., UK.

He has over 4 decades of rich experience at apex positions in various companies of repute like ACC-Babcock, DCM Group, Essar Group, and Reliance ADA Group.

He has worked in diversified industry segments in core and infrastructure industries including power, engineering, electronics, telecommunications and has vast experience in managing large businesses / operations. He started his career with ACC Babcock, one of the largest manufacturers of power & industrial boilers and Cement machinery and worked with them for over 10 years. On deputation to Babcock & Wilcox Ltd. UK, he was involved in technology transfer for manufacture of boilers. In recent years, he has been closely involved with developments in the power industry (licensing, generation, financing, regulatory and distribution).

In his over 9 years tenure in BSES, Mr. Saxena has held several key positions in both BSES Companies.



Ghanshyam Prasad

Chief Engineer

Ministry of Power



Shri Ghanshyam Prasad is presently working as Chief Engineer in Ministry of Power, Government of India. His present assignment is Reforms and Restructuring (R&R) and Grid Operation and Monitoring (OM) and responsible for the amendment of Electricity Act, Tariff Policy, Bidding guidelines for solar and Wind etc. Earlier to this, he worked as Chief Engineer (Distribution) in Central Electricity Authority and Director (Transmission and OM) in Ministry of Power. He has experience in the areas of Power System Operation at Regional Load Despatch Centres, long term generation planning, performance monitoring of all the power stations, monitoring of coal supplies to all the power plants, cross border power trade with neighbouring countries, Distribution etc. He has also served for around six years in Haryana Electricity Regulatory Commissions and has looked after various reforms in electricity in India. He has visited various countries like Canada, USA, Japan, Turkey, Australia, Germany, Spain, Thailand, Srilanka, Bangladesh, Nepal on Electricity sector assignments.



Gianluca Corbellini

CEO and Co-founder

Hive Power



Mr Corbellini has deep expertise in mathematical modelling and numerical simulations applied to the energy sector. He managed and worked on different projects, starting from oil & gas to renewables, specializing in photovoltaics. He is interested in every technical and financial aspect of the energy sector and is currently focusing on blockchain applications to the energy industry, testing an innovative approach to energy communities with a new market mechanism. Company Hive Power provides software solutions fort the innovation and digitalisation processes in the energy management. These tools include dynamic tariffs design, simulation of distribution grids, optimal management of energy communities and EV fleets, and leverage the state of the art of machine learning and blockchain technologies. Objectives in India Hive Power looks forward to understand smart solution in developing countries. They look at new frameworks, such as the “Energy Community” which could boost the development of renewables and smart energy sharing and reduce investment in infrastructure. Primarily, they are aiming to find a local partner who could resell and implement Hive Power’s solution in the Indian market.



Girish Ghatikar

Technical Executive

Electric Power Research Institute



Mr. Girish Ghatikar is a Senior Program Manager and leads the information and communication technologies (ICT) for distributed energy resources (DER) and integration research at Electric Power Research Institute (EPRI) in Palo Alto, California. The research identifies, creates, and transfers ICT-centric solutions for the adoption of DER into the power system.

Before joining EPRI, Ghatikar was the Chief Research Officer at Greenlots and led the development of electric vehicle-grid and battery storage-integrated systems. At the U.S. Department of Energy's Lawrence Berkeley National Laboratory, he was the Deputy Leader for Grid Integration program and the Chief Architect for international standard, OpenADR.

Girish Ghatikar's work has appeared in over 75 publications and he is regularly asked to speak at events and conducted trainings related to clean transportation and clean energy. Ghatikar holds Master's Degrees in Telecommunication systems, Computer Technologies and Infrastructure.



HASIT KAJI

Chief Digital and Information Officer

Tata Power Ltd



Hasit currently heads digital and IT for Tata Power across its business value chain covering Generation, T&D, Renewables and New Business Services. He is responsible for setting and implementing digital roadmap, ensuring its alignment and integration with companies strategy, and for the reliable, effective and secure delivery of information technology to all business areas of Tata Power.

Prior to joining Tata Power, Hasit spent 32 years at Tata Consultancy Services where he led:

- P&L responsibility for Energy, Resource and Utilities business unit
- Global SAP Practice and TCS business in New Jersey.
- positioned and led execution for number of transformation engagements with Fortune 1000 companies globally across industries
- conceptualization and creation of Digital Impact Square - an open innovation center for solving real world challenges using digital technologies. The innovation center encourages bottom-up innovation, provides platform for young talent and early start-ups to re-design people's lives by humanizing technology.
- integration of Computer Research Laboratory, company focused on High Performance Computing (HPC).
- organization change by building a Vivacious Enterprise – high performing socially collaborative organization that will predict, sense and renew continuously by reimagining how it works using digital technologies
- business process and HR transformational initiatives

Hasit graduated in Computer Science and Engineering from Indian Institute of Science, Bangalore and has completed management and leadership development programs conducted by Ross Business School, IIM at Bangalore and Ahmedabad. He has been a member of McKinsey Global Organization Summit, Intel Enterprise Advisory Board and served as a director of Computational Research Laboratory prior to its integration with TCS.



Hazril Izan Bahari

Director of Digital Services

Sustainable Energy Development Authority Malaysia



Hazril Izan is the Director of Digital Services in Sustainable Energy Development Authority Malaysia. He has 18 years of experience in ICT services on data centre and network. In sustainable energy, he was involved in developing the first green data centre for government in Malaysia and online feed-in tariff system for SEDA Malaysia. As a Digital Services Director, he is responsible to manage and advance the ICT technology in SEDA Malaysia and actively participating to develop the ICT innovation especially relating to sustainable energy. He is currently working with the regulator and utility company for a pilot project of peer to peer energy trading in Malaysia.



Harry Dhaul

Founder and Director General (IPPAI)



Mr. Harry Dhaul, an Economics graduate from Mumbai University, is the Founder and Director General of Independent Power Producers Association of India (IPPAI), and has over 25 years experience in the power and infrastructure sectors.

The transition of the sectors (especially power, oil & gas), from being entirely state controlled to the current stage of increasing private sector participation, led Mr. Dhaul to envisage the requirement for a neutral forum for discussion and examination of policy and regulatory issues, for the development and private sector participation in the infrastructure sectors. Thus, in 1994, IPPAI was formed as an independent non-profit organization for discussion and examination of policy and regulatory issues, critical to development of the energy and infrastructure sectors. IPPAI has worked with several Ministries including such as the Panchayati Raj Ministry, Ministry of Power, Ministry of Rural Development, etc. Due to his extensive experience and knowledge of the energy sector, Mr. Dhaul has also been a consultant/ advisor to the Ministry of Power, Planning Commission and other Regulatory bodies and has participated in several ministerial delegations for attracting investment in the Indian power sector from 1992 onwards when the G overnment of India invited the private sector to invest in power generation. He has also been on the Planning Commission consultative committee for the 8th and 9th Five year plan of the Central Electricity Authority.



I S Jha

Member

CERC



Shri I S Jha is Member, Central Electricity Regulatory Commission since January, 2019. Prior to his present assignment, he successfully served as Chairman and Managing Director (CMD) of state-run transmission utility, Power Grid Corporation of India Ltd., since 2015.

An Electrical Engineer from NIT Jamshedpur, he is a well-known Power Sector professional having more than 38 years of rich and varied work experience in all the facets of the Power Sector i.e. Generation, Transmission, System Operation, Distribution including the last mile connectivity to consumers and Regulatory aspects. He began his professional career in 1981 in NTPC and joined POWERGRID in 1991. Subsequently in Jan'19 he joined CERC as Member. While working at various projects and Corporate Office of NTPC and POWERGRID, he was involved in conceptualization, planning, design, engineering, monitoring and implementation of projects of National importance. A champion of environment friendly development, Shri Jha ensured on-schedule commissioning of transmission infrastructure and has now set a frenetic pace for grid development bringing efficiency into the sector.



Indradip Mitra

Senior Energy Advisor

GIZ



Dr. Indradip Mitra is presently working as a Senior Technical Advisor in the Indo- German Energy Programme of the German International Cooperation (GIZ GmbH) in India. He is closely associated with the ongoing Green Energy Corridors (GEC) project focussing on large scale integration of renewable energy into the Indian electricity grid. He is also active in the fields of e-mobility and long range energy transition aspects. He was the Team Leader of the Indo – German collaborative Project 'SolMap' which is funded by German Federal Ministry of Environment (BMUB). SolMap supported MNRE and NIWE's Solar Radiation Resource Assessment (SRRA) initiative. He has been working in the domain of renewable energy and energy efficiency since last 22 years in India and Europe. He has served the position of a Research Scientist in The Cyprus Institute, Cyprus; a Visiting Scientist in the Fraunhofer Institute for Wind and Energy Systems (IWES), Kassel, Germany (now known as Fraunhofer IEE) and a Research Associate in The Energy and Resources Institute (TERI), New Delhi, India. He obtained his Doctorate in Electrical Engineering from University of Kassel, Germany; his Masters in Renewable Energy from University of Oldenburg, Germany and his Post Graduate Diploma in Energy Management from Indian Institute of Social Welfare and Business Management (IISWBM), India. He has been associated with several European Union Framework Programme Research projects, American University collaborative projects and multilateral /bilateral projects.



Indrajit Das

Assistant Vice President – Sales Practice

Fluentgrid Limited



With over a decade of experience in various roles in consulting, business development with

energy and utilities domain, smart cities etc. , Indrajit Das is part of Fluentgrid's business growth team. In his current role, he is responsible for managing clients on their diverse needs for driving efficiencies in the energy sector; and has been part of Fluentgrid's key projects on utility revenue management, advanced metering infrastructure etc. He has overall 12 years' experience working with firms such as Wipro, PwC etc. He was also part of the core TPIEA team auditing R-APDRP IT deployments various states across the country.



Jagdish Achara

Co-founder and CEO

GridSteer



Dr. Jagdish Achara is the Co-founder and CEO of GridSteer, Switzerland. In parallel, he is also a postdoctoral researcher at EPFL. He is currently working on developing advanced monitoring and control techniques for sustainable and renewable energy-based electric grids. In the EPFL smart grid project, his work involves many sub-disciplines of computer science: computer communications, computer reliability and security, mathematical modelling and simulation, big data management, and mathematical optimisation, among others. In 2016, he received his PhD in web, smartphone, and data privacy from INRIA (Privatics team at Grenoble) and Grenoble-Alpes University, France. Before doing his PhD, he worked as a researcher and development engineer at INRIA, Grenoble, France for two years (2011-2013). He obtained his master's degree from Nancy university, France (Speciality: computer services, security, and networks) in 2011 and B.Tech. degree (Communication and Computer Engineering) from The LNMIIT, Jaipur.



Jean Christophe Fueg

Ambassador,

Swiss Federal Office of Energy



Jean-Christophe Füeg joined the Swiss Federal Office of Energy in 2001. He is responsible for negotiations for an electricity agreement with the EU, representing Switzerland at the Governing Board of the International Energy Agency (IEA), Energy Charter, International Renewable Energy Agency (IRENA), and bilateral energy relations. He participated in Climate Change negotiations. He has led or participated in expert reviews on energy policies of India, Canada, Indonesia, Turkey, Chile, Croatia, Estonia, Macedonia, Mongolia, Albania and Tajikistan.



Jiledar

Managing Director

Green Gas Limited



Mr. JILEDAR is currently working as Managing Director in Green Gas Limited (a Joint Venture of GAIL & IOCL).He did B.Tech (Mechanical) from HBTI Kanpur. He also possessed professional qualifications- MBA in Marketing & International Executive Diploma in Project Management. He has acquired a rich experience in Oil & Gas sector more than 34 Years.Prior to joining Green Gas as MD, Mr. JILEDAR was OIC (Head of the Plant) of LPG Plant & achieved highest operational efficiency crossing all the previous records with maintaining highest safety standard and zero IR issues.He started his career as Executive from ONGC in 1984 and got rich experience for Erection and Commissioning of Exploratory Oil Well Drilling fields (Asia's deepest oil well) in Himachal Pradesh and J&K. He was instrumental in erection and commissioning of Asia's first Sour Gas Processing Plant ONGC Hazira, GUJARAT. After having rich experience in upstream sector, he joined GAIL in 1996 and handled Project for Mechanical Erection & commission of GAIL's Mega Integrated Petrochemical Complex and after that he successfully handled its Operations & Maintenance

He also worked for cross country Pipeline O&M and City Gas Distribution and handled PNG industrial customers in Agra & Firozabad. He played a key role in checking the losses in the PNG-Industrial segment by utilizing his acumen and Rich Experience. As a Project Manager, he did the Mechanical completion of Gas Compressor Station a typical Project of GAIL having the capital cost more than Rs.650 Crore. The said project is situated in the ravine of Chambal area in Madhya Pradesh.

Mr. JILEDAR is having Dynamic Leadership for Human Resource, Marketing Strategy and Project Management beginning from Execution to Project Closure. Within a short span of one year, he brought the Company-Green Gas Limited at batter Branding Image and a maximum level of

high profit by Expansion ,network, bringing more CNG Stations and PNG connection(Domestic and Industrial), optimum resource utilization, better customer relationship & marketability, better structuring of human resource & their utilization.



Jitendra Nalwaya

Head – System Operation & Sustainability

BSES Yamuna Power Limited



Jitendra Nalwaya is having professional experience more than 25 years in various organisation across India mainly in Power Sector. He is an Electrical & Electronics Engineer from Manipal with an added qualification of General Management from Indian institute of Management, Lucknow. Presently Jitendra is handling Sustainability and Clean Technology vertical in a Power Distribution Utility. Jitendra has also gained major experience in handling Power Distribution operations/ Transformation in Government/ Private Licensee/ Franchisee operations. He is having professional experience in the field of Commercial, O&M and Project Management in Oil & Gas, Power, Infrastructure sector and handling P&L of a large organisation having multi city operations. He has also handled organisation strategic issues/ planning of change management including organisation transformation



Kumud Wadhwa

Senior General Manager, NSGM



Ms. Kumud Wadhwa has more than 30 years of Cross-Domain experience in Power Sector- spanning across Project planning and management for Transmission projects, IT projects and Smart Grid projects in Distribution. She is currently working as Senior General Manager in Project Management Unit at National Smart Grid Mission supporting Ministry of Power for design and development of Smart Grid and capacity building initiatives for Smart Grid. Earlier as part of ISGTF, she played an instrumental role in design of Road Map for Smart Grids in India, Pilot Program management and Launch of Smart Grid Knowledge portal. She did her MBA in Information Systems from MDI and Electrical Engineering from NIT Kurukshetra. She is also nominated as Indian expert in ISGAN annexes, member of BIS LITD 10 and Mission Innovation agenda.



K.K. Mishra

Drector

Ministry of Power



Sri KK Mishra is a career civil services officer of 2003 batch in IRTS. In his present assignment he has been a key architect in conceptualization, designing and implementation of major schemes of Ministry of Power viz Pradhan Mantri Sahaj Bijli Har Ghar Yojna – Saubhagya (energy access, household connection and last mile connectivity), Deen Dayal Upadhyaya Gram Jyoti Yojna – DDUGJY (strengthening and augmentation of sub-transmission and distribution network in rural area). Through these schemes India is targeting to achieve universal household electrification by March 2019. He had been a key in designing Integrated Power Development Scheme – IPDS (strengthening and augmentation of sub-transmission and distribution network in urban area) and National Smart Grid Mission – NSGM (Smart Grid initiatives in India) too. Government of India is investing more than Rs1.5 Lakh Crore through these schemes in the Power Distribution Sector across the country.

In his earlier assignments he has worked in Freight Operations, Terminal Management, Service Delivery, Public Relations under Ministry of Railways in Jammu & Kashmir, Punjab, UP, Delhi and MP. He is recipient of Railway Minister's National Award for Administration, the apex award of Ministry of Railways. He won first prize at Annual International Conference on Public Policy Hackathon at IIM Bangalore. His interests include Public Service Delivery, Infrastructure Development, Cross Functional Area of Infrastructure-Economic Development-Human Development & Gov 2.0. In 2015 Sri Mishra led a group of 51 to arduous Kailash Mansarovar Yatra. A veteran of many Marathons, now he is training from Triathlon: Swimming, Cycling & Running. Sri Mishra hold Masters Degrees in Business Administration, Economics and Public Policy from Pune University, Lucknow University and IIM Bangalore respectively. He has also attended programs at Syracuse University and University of California at Berkeley.



Kavita Saraswat

Senior Power Engineer- South Asia Energy Practice

World Bank



Kavita Saraswat works as Senior Power Engineer in the South Asia Energy Practice of the World Bank. Ms. Saraswat has spent her 30-plus-year career working for the Indian Railways across a broad range - corporate planning, operations and infra-projects related to sourcing and distribution of power for railway traction, workshops and other facilities – and the World Bank. She also had a brief tenure at Hindustan Aeronautics Limited as Instrumentation Engineer at the start of her career.

During her present assignment at the World Bank she leads technical due-diligence of transmission and distribution sector projects and provides hands-on support to client states in India in implementing 24x7 Power for All Program and other projects. She also supports development of institutional capacity of state power utilities and believes in improving governance through technology. She is also working on new technology initiatives like battery storage, power markets and digitization/automation of Indian power distribution sector. She is a champion of World Bank's WePOWER initiative and mentor to young women colleagues within the World Bank's Energy practice.



K.V.S Baba

Chairman & Managing Director

Power System Operation Corporation Limited (POSOCO)



Mr. K. V. S. Baba is the Chairman and Managing Director (CMD) of Power System Operation Corporation Limited (POSOCO), having diversified experience of about 33 years in Power sector. Prior to the present assignment, he was the Chief Executive Officer (CEO) of POSOCO. Earlier, he has experience of working in the areas of Power System Planning and Design of EHV Transmission system, Power System Analysis, Corporate Planning and Project Management in Distribution Systems in NTPC and POWERGRID, in addition to System Operation, Market operation aspects in POSOCO.

An Electrical and Electronics Engineer, he has been actively associated with large scale integration of Renewable Energy, bringing in Frequency controls, introduction of Ancilliaries etc. He has been a qualified System Operator and also obtained Specialist Level Certification in Regulatory Framework in Power Sector. He has been very active in colloborative efforts with State Load Despatch Centres through Forum of Load Despatchers (FOLD) and knowledge dissimination across all the stakeholders. He has co-authored several technical papers on various topics in the electricity sector. He is the Chairman of Indian National Study Committee of CIGRE SC C2. He has been representing POSOCO in GO15 (formerly Very Large Power Grid Operators of the World). He was appointed as the Chairman and Managing Director of POSOCO in December, 2017.



Kedar Sawant

Project Manager

French Development Agency



Kedar Sawant is working as a project manager at French Development Agency, public development bank of govt. of France for last 4.5 years in domain of energy, environment and digital transition. Prior to this job, he pursued MSc in environmental and energy engineering from Ecole des Mines de Nantes, France. He is passionate about action against climate change, decarbonisation of economies and related policy framework, and e-governance.



Ketan N Shah

Utility Head, Accenture India



Ketan Shah is the industry lead for Utilities at Accenture with more than 20 years of experience. He is a trusted advisor to many Global Utility companies in executing and implementing their critical customer AMI rollouts, Work Asset and Field Force Systems. Ketan regularly conducts Innovation and digital workshops on client's growth strategy, new energy offerings and disruptions, elevating end customer experiences and optimizing their cost to serve initiatives.He is a MIS graduate from University of Texas.



V Kesavadas

Chief Engineer & Head,
KSEB



Kesavadas.V is an Energy and Utilities professional with significant strategic transformation experience. During his 30 plus years of career with Kerala State Electricity Board he had played significant and pivotal roles in building state of the art infrastructure and systems in Power Generation, Transmission, Distribution, System Operation, Information Technology, Customer Relations and Mega Project Management sizing nearly Rs2800 cr to meet the emerging customer needs leveraging state of the art technology.

He has excellent track record of transforming the utility industry in the state through his longterm vision, operational excellence, innovative approaches and people management skills. He is adept in establishing and managing multiple stakeholder relations and leveraging the diverse stakeholder view for the benefit of the utility sector. He has significantly contributed to the strategic re orientation of the business utility by aligning the vision, mission and objectives and balancing the same through performance management in financial, customer, internal processes and innovative learning domains through appropriate KPI's.

As Chief Engineer & Head (Power System Operation & Grid Management), he is leading the Team responsible for reliable, safe and economic operation of sates grid and transmission system and report to the Board of Directors of Sate Power Utility. He is also responsible for coordination of state's power system operation and grid control in accordance with grid codes and other relevant regulations of state and central electricity regulatory authority of government of India. Sates grid stand tied to national grid and work as part of nation's regional/national grid as per relevant rules, codes and regulations of country. He is also heading project implementation for technology enabling, modernisation of transmission, Communication and grid management systems for the utility.

Prior to this assignment, he was Chief Engineer (Technology, Customer Relation & Projects), and was heading the implementation of Key Infrastructure Projects in Distribution & Sub Transmission areas for his utility for nearly INR3000Cr. He was managing the entire Construction, Operation and Maintenance of Technology Infrastructure for the organisation. His job roles in multiple key functional domains have given him vast experience in project DPR preparation, specification building tendering, execution, project monitoring and project management etc for Key Infrastructure Projects in Power generation, Distribution, Transmission and System Operation/ Grid management. He has also served in strategic management roles for successful implementation of transformative technology and system change initiatives.

Spearheading the successful Project implementation and technology solutions, he has been responsible for concept to commissioning of innovative grid modernisation programs including SCADA & SMART Grid projects in System Operation, distribution and sub transmission segments. He was also heading Customer Relations wing of Power utility and has successfully conducted and implemented many customers oriented and strategic initiatives for enhancing customer experience and satisfaction.

He has played pivotal role in leading and managing execution of major infrastructure projects in power distribution segment within time and cost limits through appropriate resource management, planning, monitoring and ensuring targeted milestone deliveries. As state level nodal officer he has successfully managed implementation of Distribution and Sub transmission infrastructure projects worth nearly Rs 3000Cr. He has played remarkable leadership roles in introducing key initiatives like Digitisation of customer services, KPI for workplace efficiency improvement, E-Initiatives in Outage management, safety administration, grievance redressal, Innovative project management and monitoring systems for capital intensive infrastructure projects, Conceptualising and implementing ERP systems for entire Organisation etc.

He is a graduate in Electrical Engineering with Post Graduate Management qualifications in Finance and Energy Management. He is a gold medalist in Energy management program from Management Development Institute in Gurgaon and also a certified Process Improvement facilitator. He has presented several papers in international & national seminars and is also holding key and strategic positions in many committees. He has received many awards and recognition for his creative leadership in implementing transformative programs for power sector domains of the country and state.



Kiran Gupta

Head – Customer Services,

Tata Power – DDL



Ms. Kiran Gupta is heading the Customer Services at TATA Power-DDL.

She brings with her 25 years of experience in the Power Sector. In her previous roles at Tata Power-DDL, she has served at the Corporate Operations Services and led the Engineering and Procurement Group for developing all Utility equipment specifications, Operation Manuals and Inspection Plans including Grid substations.

She is an alumna of Delhi College of Engineering.



Klas Molin

Ambassador

Embassy of Sweden



Born July 19, 1959 in Stockholm, Sweden

Professional Experience

2017- Ambassador of Sweden to the Republic of India based in New Delhi

2015-2017 Ambassador and Chief of Protocol, Ministry for Foreign Affairs, Stockholm

2011-2015 Ambassador of Sweden to the Kingdom of Thailand based in Bangkok. Accredited also to the Lao Peoples' Democratic Republic, the Republic of the Union of Myanmar and the Republic of the Philippines

2006-2011 Deputy Director-General, Head of Department for Asia and the Pacific, Ministry for Foreign Affairs (MFA), Stockholm, Sweden

2004-2006 Director, Deputy Head of Department for Asia and the Pacific, MFA

1999-2004 Counsellor, Embassy of Sweden in Washington, D.C.

1997-1999 Deputy Director, Department of Personnel, MFA

1995-1997 Desk Officer, Department of Personnel, MFA

1992-1995 Desk Officer, Department for Political Affairs, MFA

1989-1992 Second Secretary, Permanent Representation of Sweden to the UN, New York



Lalit Kumar Wasan

Head of Power System control (PSC)

Tata Power Delhi Distribution Limited



Mr. Lalit Kumar Wasan serves as Head of Power System control (PSC) at Tata Power Delhi Distribution Limited and has experience of more than two decades in Power sector. His overall experience covers areas of Network Operations, Energy Audit, Implementation of ERP system for better process management & resource optimization etc.

His current profile includes Real time network management, Power demand forecasting and real time power management, Policy advocacy with various stake-holders, including regular interaction with various Govt. owned organizations like SDLC, NRLDC, Transmission Company etc.

Mr. Lalit Kumar Wasan is a professionally trained Electrical engineer with a Post-graduate diploma in Management. He is also a certified solution consultant for SAP-PM module. He has presented and co-authored technical papers on subjects related to power sector.



Larisa Dobriansky

Chief Business & Regulatory Innovation Officer for General Microgrids Inc. and former Deputy Assistant Secretary for National Energy Policy at the U.S. Department of Energy



Larisa Dobriansky is Chief Business & Regulatory Innovations Officer at General MicroGrids. She focuses on regulatory, institutional and financial changes that can leverage the capabilities of advanced microgrids to deliver integrated energy solutions to power systems and communities. Drawing upon over 20 years of experience in the Energy, Environmental and Financial regulatory fields, she helps shape new financing mechanisms, power market designs, and utility regulatory reforms that can capture the value that an intelligent, dynamic microgrid system can provide to the Grid, Market and Communities, with a view to optimizing distributed resources, expanding "energy-sharing" parameters, and fostering transactive energy markets.

Ms. Dobriansky formerly served as Deputy Assistant Secretary for National Energy Policy at the U.S. Department of Energy, where she spearheaded and secured legislative authorization for the Department's first loan guarantee program for clean energy technologies to address the "Valley of Death" and move technologies out of demonstration and into the marketplace.



Lonneke Driessen - Mutters

Executive Director

Open Charge Alliance



Lonneke Driessen-Mutters is Director Standardization and Test Lab at ElaadNL. ElaadNL is the Knowledge and Innovation Centre in the field of (smart) charging infrastructure in the Netherlands and is owned by the Dutch grid operators. Within ElaadNL she is responsible for the EV Charging testing facilities, open standards development in secure EV charging and is in charge of activities regarding the Open Charge Alliance (OCPP) and EClearing.net (Roaming solutions and Public Key Infrastructure solutions). Mrs. Driessen has a longstanding career in the Utility Industry and has operated in key strategic developments, such as market liberalization, smart metering and smart grids before entering the EV charging domain three years ago. She has a Master of Science degree in Electrical Engineering from the Delft University of Technology.



Dr. Luís Miguel Costa

Head of Digital Solutions

Larsen & Toubro



Dr. Luís Miguel Costa got his Electro technical and Computers Engineering with Power Systems Major M.Sc. Eng. from Faculty of Engineering at the University of Porto, Portugal (2004) and his Ph.D. in Renewable-based energy systems and Microgrids optimization from ParisTech, France (2008).

He has 16+ years' experience in DER, renewables, and storage integration onto power systems and received several awards, namely, the nomination (2019) as GE Grid Solutions Fellow (Tech. Expertise), and the attribution (2016) of the GE Building Excellence CEO Award (Business & Technical).

He is also a Senior Member of the IEEE (since 2016) and a member of IEEE PES (since 2005). Some of his professional passions lie with business creation, technological and applications development, distribution automation, power & energy systems sustainability, renewables, energy storage, EV/PHEV. He currently heads the Digital Solutions business for L&T PT&D.



Martin Hauske

Asia Pacific Energy Segment Sales Leader

Nokia



Martin is leading Nokia Networks for Energy in Asia Pacific supporting the communication and analytics requirements brought by Distributed and Renewables Generation, Smart Cities, and IoT.

Martin is working with leading Energy companies in Australia, ASEAN, Australia, China, India, and Japan. He has been driving the shift to new business models since 2006 with the first projects of Smart Grid. He has a particular interest in leveraging Analytics, VPP, AMI, Microgrid,

Renewables and Storage for Distribution Optimization.Martin has over 20 years' experiences in Utilities and Energy industries, and has led many strategy and transformation projects for his clients. Prior to joining Nokia, Martin was consulting with Workato and Kisters, and led Accenture's Smart Grid Services for Asia Pacific working with clients in Singapore, Malaysia, Thailand, and Australia on Asset Management, Smart Grid and AMI roadmaps, and new business models

Running IBM's business in Utilities, Telecom, and Media in Germany he focused on Smart Metering, Integrating Renewables, and new services. During his time in China Martin introduced several First-of-a-Kind projects, and the Intelligent Distribution Outage Planning at Shanghai Municipal Power which was showcased during the 2010 World Expo in Shanghai, eProcurement for Petro China and SCM for Huawei and the first asset management project in Chinese distribution utilities in Zhejiang. Early on in his career he started the SAP business in Utilities and Telecom in Japan working among others with Kansai Electric, NTT.

Martin is a frequent public speaker on Smart Grid related topics. He holds a Master's degree specializing in Industrial Engineering from Technical University Karlsruhe, Germany and he studied International Marketing at Hitotsubashi University in Tokyo. Martin is based in Singapore with his Taiwanese wife and his ten-year-old daughter. He enjoys triathlon, eating, and traveling.



Manish Kumar

Director Digital Sales

GE Power



Experienced Business Leader with a demonstrated history of working in the Information Technology, Services and Consulting industry. Skilled in Business Planning, Sales, Customer Relationship Management (CRM), Management, and Account Management. Strong consulting professional with a Masters of Science focused in Consultancy and Management from Birla Institute of Technology. Strong People and Process Orientation. Experience in Technology and System integration industry.



Markus Wypior

Deputy Cluster Coordinator

IGEN/GIZ



Markus Wypior has over 20 years of experience in project management, bilateral and multilateral development co-operation, policy advisory and strategic planning in telecommunications, energy, environment and climate change. He has a very good standing within the Indian stakeholder community and is often invited as a speaker or panelist.

At present he is responsible for the implementation of the Green Energy Corridor module within the Indo-German Energy Programme and a project on energy efficiency and cooling. He leads a multi-disciplinary team of experts in the field of large scale grid integration of renewable energy and provides advisory services to various stakeholders on forecasting, scheduling, balancing and ancillary services.

From 2012 – 2015 he established the support office of the Indo-German Energy Forum in India which is Germany's political dialogue platform in the energy sector. The support office is jointly operated by GIZ, KfW and the Indian Bureau of Energy Efficiency.

From 2005 – 2012 he implemented numerous projects in the refrigeration and air-conditioning sector under the Montreal Protocol on Substances that Deplete the Ozone Layer in India and other countries in Asia.

After joining GIZ in 2003 he was responsible for the thematic areas "Environmental Protection and Energy Management", "Management of Natural Resources and Poverty Reduction" and "Urban Development" at the China desk in GIZ's headquarters.

Mr. Wypior graduated as an economist (Master's degree equivalent) from Bonn University in 1997. Prior to joining GIZ he worked mainly in telecommunications and other infrastructure projects in Eastern Europe, Central Asia, South and Southeast Asia.

Before entering University Mr. Wypior joined the German industrial conglomerate Mannesmann AG as a trainee and worked thereafter as procurement and sales officer in the field of energy and environmental technology.



Matthieu Craye

European Commission,

DG Energy



Matthieu Craye is International Relations Officer at the European Commission Directorate-General for Energy, where he deals with energy relations between the EU and India, Japan, Australia, as well as with the international dimension of the EU's strategy for Liquefied Natural Gas.

In his previous position at the Directorate-General for Energy, he managed European programmes in renewable energy and smart grid technologies.

Earlier in his career, he has worked in industry and academia and was a researcher at the European Commission's Joint Research Centre, focusing on the role of scientific advice in energy and environmental policy making.

He holds a Master's degree in energy engineering and followed postgraduate education in economics and philosophy.



Michael Williamson

Section Chief – Energy Division

United Nations Economic and Social Commission for Asia and the Pacific



Michael Williamson is Section Chief of the Energy Division in the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP). Since commencing this role in 2018 Michael has worked on regional cooperation for sustainable energy and energy connectivity across ESCAP's 53 member countries, spearheading the Division's intergovernmental, technical assistance and knowledge building efforts. Prior to this, Michael was the acting Director of UNESCAP's Subregional Office for South and South West Asia overseeing 10 countries of South and South West Asia. From 2015 to 2017 he was Chief of Staff and Senior Adviser to the Executive Secretary of UNESCAP in Bangkok. He began his UN career in in India in 2013 as the Head of the Asian and Pacific Centre for Transfer of Technology, a regional institution of UNESCAP.

Michael's experience over the last 20 years covers the private sector, government and international organisations with a focus on sustainable development, energy, technology and climate change.

Prior joining the UN, he worked for Australian governments at state and federal level in the areas of climate change, sustainability and energy policy, formulating renewable energy support policies and guided the development of the emerging renewable energy sector. In the climate change arena, he worked for Australia's national climate change agency in Canberra managing commercialization programs funding advanced solar, wind, biomass and wave power technologies. He also was the policy manager of a venture capital fund investing in renewable energy startup companies. In between his government roles he undertook technical and humanitarian assignments with the International Committee of the Red Cross, restoring essential services to communities during the civil war in Nepal from 2004 to 2007. During the 1990's, Michael gained hands on experience developing energy access projects for remote communities in Nepal.

Michael holds a Master of Science in Renewable Energy Technology from Loughborough University, UK and an honours degree in Civil Engineering from Monash University, Australia. He has also completed a post graduate diploma in management from the Australian Institute of Management and is a graduate of the UN leadership course at the United Nations Staff College.



Mahesh Singh

MD, UGVCL



Mr Mahesh Singh is currently MD, UGVCL,Gujrat..As an IFS Officer of the 1990 batch, Shri Mahesh Singh holds a Master's Degree in Organic Chemistry and is an Associate of Indira Gandhi National Forest Academy. Shri Mahesh Singh has more than dozen scientific papers and articles to his credit. Prior to his appointment as MD-UGVCL, Shri Mahesh Singh served as Chief Conservator of Forests (Wild Life), Gandhinagar; MS, GWSSB; SPD-SSA; and CEO, GUDM.



Mritunjay Kumar Narayan

Joint Secretary

Ministry of Power



He is an Indian Administrative Service (IAS) officer of 1995 Uttar Pradesh Cadre, is a Joint Secretary in Ministry of Power. He has done B. Tech and M. Tech in Electrical Engineering from Indian Institute of Technology (IIT), Kanpur. He has done M.Sc. in Public Policy and Management from King's College London and also a law graduate.

In a career spanning of about 24 years, he has had experience of working in various position in the State of Uttar Pradesh. Prior to joining Ministry of Power as Joint Secretary, he had been Secretary to the Hon'ble Chief Minister, Uttar Pradesh for two years and a quarter. This position gave him over arching experience of the entire gamut governance in this State. He has wide experience of policy formulation and implementation as well. He had hold position as Commissioner, Commercial Tax and Entertainment Tax for more than two years; these departments contribute more than 60% of tax revenue of the State. At the cutting age of administration, he has held nearly every field position in the State of Uttar Pradesh from Sub-Divisional Magistrate to Chief Development Officer to Collector to Divisional Commissioner. He also served as Director on the Board of Lucknow City Transport Services Limited and Meerut City Transport Services Limited. He is also on the Board of Power Finance Corporation Limited and PTC India Limited as Government Nominee Director since August 28, 2019.



Mohammad Hossain

Director General

Bangladesh Power Development Board



Mr. Mohammad Hossain, for the past 31 years of his career, has been serving in different

organizations in diverse high-profile posts. He joined Power Cell as an Assistant Director in 1996. Consequently, he served as the Deputy Director and Director of Power Cell and played a noteworthy role in enhancing the capacity of the Power Sector. He has also played a vital role in the development of power generation, transmission, and distribution and prepared several acts, rules & regulations for spearheading the power sector development. At present,he is serving as the Director General of Power Cell since 2013. He was the General Secretary of The Institution of Engineers Bangladesh (IEB), Dhaka Center. In his career, he traveled to more than 30 countries around the world for professional purposes. Mr. Hossain is a member of the Joint Steering Committee (JSC) for Bangladesh-India and Bangladesh Nepal power sector cooperation. He is a member of the Governing Board of the SAARC Energy Center. At the same time, he was one of the members of the renewable energy D-8 Working Group and member of the Steering Committee in South Asia Regional Initiative/Energy Integration (SARI/EI). Mr. Mohammad Hossain has recently been elected as the Chairman of UN-ESCAP's Energy Committee which is an important intergovernmental platform to facilitate regional energy cooperation. Mr. Hossain is an alumnus of the Harvard Business School.

Mr. Mohammad Hossain graduated from the Bangladesh University of Engineering &Technology (BUET) and received an MBA from IBA, University of Dhaka. Later, he received a post-graduate diploma in Institutional and Human Resource Development (IHRD) from Denmark. He took part in various higher training in the power sector at home and abroad. He has presented papers in various seminars, workshops at national and international levels which are highly appreciated. Mr. Mohammad Hossain has published numerous articles in different national and international journals and publications.



Mukesh Dadhich

Head – Sustainability

BSES Yamuna Power Limited



Mukesh Dadhich is having professional experience of more than 22 years mainly in Power Distribution Sector. He is an Electrical Engineer from ECK Kota with an added qualification of PGDBM (Energy Management) from MDI, Gurugram. Presently Mukesh is handling SCADA Systems Operations and Sustainability & Clean Technology vertical in a Power Distribution Utility (BYPL). Mukesh has also gained major experience in handling Power Distribution operations, SCADA Systems, Power Scheduling and load Forecasting, Power Management. He is also responsible for company's Sustainability and Clean technology initiatives.



Mukesh Khuller

Member

MERC



A science and law graduate from University of Delhi, and MBA public services from University of Birmingham, United Kingdom, Sh. Mukesh Khullar joined Maharashtra cadre of IAS in 1985.

Over a period of past 33 years, Sh. Khullar gained rich experience by holding top positions in various field organizations covering regulatory, welfare and developmental areas at Local, State and Central Government levels. Using this experience, he assisted policy and program formulation in Agriculture, Tribal Welfare, e governance, Energy and Human Resource domains.

He was working as Additional Chief Secretary (Personnel) before moving to MERC. He held position of Principal Secretary Energy Government of Maharashtra in which capacity he served as Director on boards of various power utilities Mahavitran, Mahagenco, Mahatransco, MSEB Holding Company, RGPPL and MEDA. He has also served as Director on the boards of Agriculture Insurance Company of India, Food Corporation of India and Maharashtra State Cooperative Tribal Development Corporation.

Reforms agenda is the core area of his interest. He introduced and implemented several innovative projects in most organizations that got recognized and replicated. IT enabled delivery of Citizen Services ‘Setu’ implemented in Thane district is one of such projects.



Muktesh Chander

Special Commissioner,

Delhi Police



Dr. Muktesh Chander graduated in Electronics and Telecommunication Engineering from Delhi University in first class with distinction. After doing one-year specialization in Statistical and Quality Control and Operations Research from ISI, Madras, he joined Bharat Heavy Engineering Limited as a Quality Control Engineer and received several awards for improvement in the quality and productivity.

In 1988 he joined Indian Police Service and has remained posted to several places including DIG Goa and Addl. Commissioner of Police, Crime, and Traffic Delhi and IG Daman Diu. He has served as Centre Director Cyber Division and National Critical Information Infrastructure Protection Centre in National Technical Research Organization under Prime Ministers' Office. He was specially selected as United Nation Police Observer and has monitored, trained and advised police in Bosnia and Herzegovina in Europe for 1 year. He has also done Hostage Negotiation course at Louisiana State Police Academy, USA and Law Enforcement Executive Development Course with FBI, Los Angeles, USA.

Dr. Muktesh Chander also holds a law degree from Delhi University, Diploma in Human Resource Management, Diploma in Cyber Laws from Amity Law School and Master's Degree in Criminology & Police Science. He has also got Ph.D. in Information Security Management from I.I.T., Delhi.

He has been awarded President's Police Medal for meritorious service, President's Police Medal for distinguished service, Police Medal for Hard Duty, UN Service Medal and 50th Anniversary of Independence Medal.

His current areas of interest are cybercrime and its detection, cyber terrorism, E-governance, Digital signatures, Cryptography, E-policing, Information security and Cyber laws, Social media monitoring, etc.

He has written a number of articles on Cyber Crime and related topics, which have been published in various prestigious journals and newspapers. He is a resource person for premier institutes like Rajasthan Police Academy, Gujarat Police Academy, Gujarat Forensic Science University, National Crime Records Bureau, Punjab Academy of Administration, Bureau of Police Research and Development, National Institute of Criminology and Forensic Science, CBI, IILM Institute of Higher Education, Indian Law Institute etc., His paper on Cyber Terrorism was selected for the 35th All India Police Science Congress in 2004. He was member secretary of the Joint Working Group which formulated "Guidelines for Protection of National Critical Information Infrastructure in India". He has also served as Centre Director of Cyber Division of National Technical Research Centre under Prime Minister's office.

Apart from this Dr. Muktesh Chander holds a license of Amateur Radio. He is also life member of Amateur Radio Society of India.

He is life member of Computer Society of India and an elected Fellow of Institute of Electronics and Telecommunications Engineers (IETE) as well as The Institution of Engineers India. He has been awarded by IETE with Hari Ram Toshniwal Award 2013. He is also life member of India Society of Criminology and Indian Society of Victimology.

Recently he has addressed International Symposium on Cyber Crime Response, jointly organized by Interpol and Korean National Police Agency in Seoul.

During his spare time, he plays on flute and mouth organ and listens to classical and semi classical music. He regularly performs in various programs of Delhi Doordarshan and other musical events. His CD of flute songs was recently released by Sh. Yesso Shripad Naik, Minister of State, Govt. of India.

He is currently heading Goa Police as Director General.



Muralidharan Ramachandran

CEO

Atos India



Strategic Business and IT leader with over 29 years of industry experience and with

- Proven experience of creating IT and security strategies aligned to business strategy, objectives and goals for both IT services and BPO organizations.
- Strong collaborative working skills
- Proven experience in leveraging technology for delivering business process excellence
- Strong governance of IT processes and controls thus facilitating IT to be used as a strategic tool
- Strong Leadership skills in building, developing and managing large teams.
- Strong vendor partner relationship management skills
- Demonstrated skills on implementing effective cost management strategies
- Project and Program management experience
- Experience in setting up operational processes adhering to information security and controls standards such as ISO 27001, ISO 9000, SEI CMM, PCI DSS, SAS 70/SSAE 16, European Data Protection and COPC



Narendra Taneja

Chairman,

World Energy Policy Summit



Narendra Taneja is Co-Chairman of the Hydrocarbons Committee of the Federation of Indian Chambers of Commerce and Industry (FICCI). He is India's leading expert, thinker and television commentator on energy issues and developments. He has authored thousands of articles and commentaries on energy policy, business, diplomacy, geopolitics, security and energy poverty and empowerment. He has also authored two books and edited several publications.

Mr. Taneja is also a well-known international speaker on energy issues. He is regularly invited to speak by universities, think-tanks, conferences, governments and companies from all parts of the world. He is the President of the World Energy Policy Summit, Convener of the World Oil and Gas Assembly and a Member of the World Economic Forum Global Agenda Council on the Future of Electricity. He read economics, business , commerce, policy, leadership, diplomacy and international affairs at StJohn's College in India and at the University of Oslo and the University of Oxford in Europe.



N. Mohan

Deputy General Manager

Energy Efficiency Services Limited (EESL)



N. Mohan is working with M/s. Energy Efficiency Services Limited (EESL), an entity under the Ministry of Power, Government of India. He is the Deputy General Manager and head of Electrical Vehicles Charging Infrastructure (EVCI) department at EESL.

He has over 14 years of diverse experience in the field of policy planning, conceptualization and implementation of energy efficiency programs, and conceptualization of co-generation & tri-generation system for industries/ commercial buildings. Currently as head of EVCI department, he is spearheading the creation of sustainable EV charging ecosystem across the country.

Prior to this assignment with EESL, he has worked with M/s. Forbes Marshall (P) Ltd and M/s. Triveni Turbines Ltd, Bangalore. He is a Mechanical Engineer with master's degree in Business Administration in Marketing & International Business. Also, he is a Certified Energy Auditor.



Kishor Narang

Chairman, LITD-28, BIS committee on Smart Infrastructure

Narnix Design



Technology Philanthropist, Innovation & Standardization Evangelist

Kishor is Technology Consultant, Mentor & Design Architect in Electrical, Electronics & ICT with over 40 years of professional experience in education, research, design and consulting. Over 30 years of hardcore Research and Design Development Experience in Solutions, Systems, Products, Hardware, Software & Firmware (Embedded Software) in fields of Industrial, Power, IT, Telecom, Medical, Energy and Environment, and over 10 years of Consultancy Experience to different segments of business & industry. He has over 200 Research & Design Mentees in the Electronics, ICT & STI Ecosystems. Professionally, he is an Electronics Design Engineer practicing design & development of a wide spectrum of Products, Systems & Solutions as an Independent Design House – NARNIX since 1981

Kishor has been leading & contributing in multiple National & Global Standardization Initiatives at BIS, Niti Ayog, TSDSI, IEC, ISO, ITU, IEEE etc. he is leading Standardization activities @BIS – the Indian National SDO in – Smart Cities, Smart Manufacturing, Smart Energy & Active Assisted Living as the Chairman of Smart Infrastructure Sectional Committee LITD 28 in BIS.

His major contribution in Global SDOs:

- Vice Chair – Strategy & Convenor – Reference Architecture WG in IEC Systems Committee on Smart Cities
- Project Leader – IEC TS 63188 ED1 – Smart Cities Reference Architecture Methodology
- Project Leader – IEC 63205 ED1 – Smart Cities Reference Architecture

- Co-Editor – ISO 30145 on Smart City ICT Reference Framework
- Co-Editor – ISO 30146 on Smart City ICT Indicators

Representing Indian National Body BIS & contributing with Indian perspective in

- IEC – SyC Smart Cities SyC Smart Energy, SyC Active Assisted Living & SyC Smart manufacturing. IEC – SEG1, SEG3, SEG4, SEG6, SEG7, SEG8, SEG9 & SEG10.
- ISO – TC 268 on Sustainable Development in Communities.
- ISO/IEC JTC1/SC 41 – Internet of Things & related Technologies, JTC1/SC 42 – Big Data & Artificial Intelligence; and JTC1/WG11 – Smart Cities.
- ITU-T SG20 – Internet of Things (IoT) and its applications including smart cities and communities (SC&C).
- IEEE Smart Cities & Internet of Things Steering Committees.

For last 10 years, deeply involved in Standardization in the Electrical, Electronics, Communication and Information Technology Domains with focus on Identifying Gaps in Standards to address Interoperable Systems & Solutions Deployments and bring Harmonization by defining standardized interfaces to ensure End-to-End Interoperability

Currently, Kishor is developing a Comprehensive "5G inclusive ICT Architecture for Critical Infrastructure" and leading the 5G Application Layer Standards development in India.



M M Nayak

Special Commissioner

Collegiate Education, AP



Mr. Nayak was the CMD of APSPDCL, Nayak is responsible for managing power distribution in the Krishna, Guntur, Prakasam, Nellore, Chittoor, Kadapa, Kurnool and Anantapur districts, which was over 12 million high and low tension consumers.

Nayak was currently focusing on integrating new technologies into APSPDCL's daily operations to improve customer service and reduce operating costs. SCADA, data analytics, real-time monitoring of feeders, promoting digital transactions for consumers, as well as smart meter procurements are some of the key initiatives under way, he notes. Further, the state discom is now gearing up to undertake electric vehicle adoption. Prior to assuming his current role at APSPDCL, Nayak was given the responsibility of serving as CMD of Eastern Power Distribution Company of Andhra Pradesh Limited for a year. A 2005 batch IAS officer from Andhra Pradesh, Nayak started his journey serving as sub-collector at Tekkeli and Machilipatnam. Over the course of his career, he served in various roles in the state's administration, including that of joint collector, municipal commissioner and collector.

Nayak is a mechanical engineering graduate from Andhra University. He maintains a healthy work-life balance through planning, prioritising and focusing on key tasks. In his spare time, he reads books, shares his learnings with his friends and watches TV.



Neil Chatterjee

Chairman

The Federal Energy Regulatory Commission



Chairman Neil Chatterjee was nominated to the Federal Energy Regulatory Commission by President Donald J. Trump in May 2017 and confirmed by the U.S. Senate in August 2017. He served as Chairman from August 2017 to December 2017, and was again named Chairman on October 24, 2018. Prior to joining the Commission, he was energy policy advisor to U.S. Senate Majority Leader Mitch McConnell (R-KY). Over the years Chairman Chatterjee has played an integral role in the passage of major energy, highway, and agriculture legislation. Prior to serving Leader McConnell, Chairman Chatterjee worked as a Principal in Government Relations for the National Rural Electric Cooperative Association and as an aide to House Republican Conference Chairwoman Deborah Pryce (R-OH). He began his career in Washington, D.C., with the House Committee on Ways and Means. A native of Lexington, KY, he is a graduate of St. Lawrence University and the University of Cincinnati, College of Law. Chairman Chatterjee is married and has three children.



Neville Bhasin

Business Developer

Forbes Marshall



Over 30 years, I have built in considerable richness of multidisciplinary exposure. Across functional barriers, and transcending both entrepreneur and employee roles with equal comfort and success. Spanning various sectors through a spectrum that includes Beverages, Water, Oil and Gas and Project Management and Consulting.

Through this odyssey, I have evolved considerable visualizing skills on one side and attained considerable success in being able to derive road maps for implementation. Strong commitments, business acumen and the capability of translating corporate policies into successful financial ventures, have been a major hallmark in my career.



Nilesh Kane

Additional GM, Operations at

TATA Power-DDL



Mr. Kane is an Additional GM, Operations at TATA Power-DDL. He has 24 Years of Experience in Electrical Operations and Technology in the conventional to non-conventional fields of Energy, Battery Energy Storage System, Reactive Power Management etc. He is a member of BIS, BEE Certified Energy Auditor and Convener Innovation Council- TATA Power DDL.

He is an Alumni of Harvard Business School, Gold Medallist in MBA- Energy management for MDI Gurgaon and PhD in Strategy and Power Management.



Nick Birrell

Vice President, Industry Strategy

Oracle Utilities



Nick Birrell is Vice President of Industry Strategy at Oracle Utilities. He works closely with energy and water utilities to help guide Oracle strategy in the utilities industry.

Nick is passionate about the dramatic transformations occurring in our industry and technology's role in all of this. For many years he has consulted in the business and information technology domain, providing strategic guidance, solution insights and implementation expertise to utilities across the globe. Overall, he holds firm to his belief that technology, when done right, is a positive agent of change, not just for the utility but for the local community it serves, and ultimately the Planet.

Nick holds a Bachelor of Economics, a Bachelor of Arts (Political Science Honours) and a Master of Business Administration from Monash University in Australia.



Nikhil Chaturvedi

Vice-President

Industry Engineering – Energy & Natural Resources sector for Asia Pacific & Japan



Nikhil Chaturvedi is the Vice-President for "Industry Engineering – Energy & Natural Resources sector" for Asia Pacific & Japan. He is based in SAP-Tokyo office. His responsibilities encompass digital transformation advisory, industry strategy planning, thought leadership, sales support, demand generation, field training & enablement.

Credentials:

- B. Tech. (Petroleum Engineering), MBA (Finance), CPIM (APICS-USA)
- SAP:
  - Current Position: Leader for Energy & Natural Resources for Asia-Pacific
  - Previous Positions: Leader for IVE-Japan (all 25 industries), Global Leader for IBU-Mining industry, IBU Hub Leader for Japan, Korea, S.E.A.
- JSW Steel (Indian Subsidiary of JFE Steel-Japan) covering Steel, Power, Cement, Ports:
  - Group CIO
  - Board Member for 2 group companies
- CapGemini: Energy & Utilities industry practice Manager (Projects: ExxonMobil, OIL, Syngenta, Utilities)
- Indian Oil Corporation: Production Operations in Oil Refinery & Petrochemicals

- Oil India Limited: Drilling Operations

Nikhil is a frequent keynote speaker, presenter and panelist in industry events. He is a member of Society of Petroleum Engineers (SPE) and American Chamber of Commerce in Japan (ACCJ). He has also authored various White Papers in technical journals, social media and a chapter on “Web-based collaboration for Natural Resources industries” for a book published by IGI publishers, USA.



Nishant Arya

Executive Director

JBM Group



Nishant Arya spearheads $2.2 Billion Indian conglomerate JBM Group as its Executive Director since 2010 and is enriched with education from Bradford University, UK and London School of Economics.

Mr Arya has worked in various multi-national companies within Europe & Japan for two years. These stints gave him exposure to global processes and work culture. He regards this as a great learning experience.

He has encapsulated JBM's philosophy and DNA – TIP, thereby enhancing TECHNOLOGY, enabling INNOVATION and developing PEOPLE within the organization. With a strong drive to achieve more, Mr Arya has led to expand the key businesses from an auto ancillary to various diverse domains and a name to reckon within each of these industries. He has been actively looking at R&D, Engineering, Diversification, International Business and new projects. His visionary leadership has been instrumental in planning various technical collaborations and joint ventures with renowned foreign companies including buyouts. These include some key domains such as Electric Bus, Engineering & Design Centres, EV Charging Infra, Renewable Energy (Solar and Waste to Energy), etc. Amongst the important JVs done under his directorship are the alliances with prestigious names like Arcelor Mittal, Dassault Systemes, JFE Steel Corporation, Linde-Wiemann, Sumitomo Corporation, Magnetto (CLN Group), Ogihara, Solaris Bus & Coach and various others.

JBM Group's diversified portfolio has an infrastructure of more than 60 manufacturing plants, 5 engineering & design centres across 10 countries. The Group is professionally managed with focus on quality, leadership & fast product development process, contract manufacturing and flexible manufacturing systems. With major industrial presence since more than three decades, the Group has been conferred with numerous recognitions, awards and accolades globally.

Mr. Arya's efforts have ensured success for the bus manufacturing division of JBM Group. JBM has introduced India's first true low floor Citybus – 'CITYLIFE' that is already redefining the dynamics of the public transportation. These CITYLIFE buses are reshaping the public transport in UP and Haryana with first of its kind innovative features that ensure enhanced comfort, safety and security for the commuters. The company has also recently unveiled 'ECOLIFE' – India's first 100% Electric bus which is highly appreciated for its unique features, comfort and quality of design.

Mr. Arya's intense passion and enthusiasm for his work combined with visionary leadership and long-term thinking has been recognized and accolade as exemplary contribution to JBM Group and the automotive industry. Under his stewardship, JBM Auto Ltd. has been recognized amongst the "Elite set of the 10 greatest value creators in the Fortune India 500 companies".

He is on the Board of various JBM Group companies and Chairman of Tesco Go SpA, Europe also the Chairman of JBM Solaris Electric Vehicles Pvt. Ltd. and Linde-Wiemann, Germany.



Nitin Gavhane

Lead Architect

Energy Web Foundation



Nitin M. Gavhane has Master's Degree in Distributed Systems with 11+ years of industry experience. He has worked in the areas of High-Performance Computing and IoT for application to Weather Forecasting, Molecular Dynamics and Seismic Image Processing, including applications of Blockchain & IoT to Trading and Supply Chain in Energy Sector. Previously, he has played key technical roles at Computational Research Laboratories Ltd. and Shell. Currently, he is Lead Architect at Energy Web Foundation, where he is working with the ecosystem players to solve technology challenges, design and develop innovative solutions for Energy Sector.

Nitin's particular interest lies at the convergence of multiple emerging technologies (Blockchain, IoT and Machine Learning) and their combined applications that address real business challenges and delivers business value which cannot be delivered by individual technologies.



OD Naidu

Principal Scientist

ABB Power Grids



OD Naidu received master's degree in power systems engineering from the Indian Institute of Technology, Kharagpur, India, in 2008. He is pursuing Ph.D. degree in Electrical Engineering, Indian Institute of Technology, Kharagpur and expected to complete in 2020. He is currently working as Principal Scientist, at ABB-Power Grids, Bangalore, India. He is responsible for technology development for power system protection, fault location and power grid monitoring solutions. He has authored and co-authored more than 30 international journal and conference papers. He has filed more than 25 patent applications in the area of power grid automation. His research interests including power system protection and fault location, power system analytics, artificial intelligence applications to power system and grid management (SCADA/EMS). He is the member in IEEE and regular member for CIGRE B5.55 and B5.65 working groups.



OM Dubey

Managing Director

Climate Change Response Pvt. Ltd.



Om has over 30 years of experience including research, teaching, consulting, project management and business development in the area of renewable energy, smart metering, energy efficiency assessment, data collection, analysis and monitoring, energy management, carbon accounting, and climate change risk assessment and adaptation. Om has technical knowledge and experience in these areas, and providing professional services to organisations including local government, educational institutions and mining industry.

During the last two years Om has been involved with the IOT based smart metering, mini grid and smart city projects using Big Data Analytics and AI, and successfully completed installation and commissioning of systems at the Town of Victoria Park, City of Wanneroo and Murdoch University, Western Australia. As a landmark project, commissioned a smart grid project in December 2019 for the City of Melville, Western Australia within less than 3 months of time. Project consists of 16 different facilities located within the City. System was designed, installed and commissioned, using Schneider meters, edge devices and Arnowa's own designed and developed gateways and dashboard. May like to visit website www.arnowa.com for more details about our products and services."



OP Agarwal

CEO

WRI – India



Prior to joining WRI India, Om Prakash (O.P.) Agarwal was the Executive Director at the Indian School of Business and chaired the U.S. Transport Research Board's Committee on Transportation in Developing Countries. He is a highly respected thinker and practitioner with a wealth of experience in cities, urban transport, climate change and related development and environment issues.

He has served as a member of the Indian Administrative Service (IAS) and held several positions from 1979 to 2007. During his tenure as the head of the Urban Transport division of the Government of India, he authored India's National Urban Transport Policy, a document that outlines the priorities for sustainable urban transport at all levels of government..

O.P. holds a PhD from the Indian Institute of Technology (IIT), Delhi, a Master's degree in Transportation from the Massachusetts Institute of Technology, Cambridge, USA and a Bachelor's degree in Electrical Engineering from IIT, Chennai. At WRI India, Agarwal will be leading the office's ongoing efforts to strengthen its work around cities, energy, climate, landscape restoration, water, and government and business engagement.



Pradyumna Bhagwat

Research Fellow,

Florence School of Regulations



Pradyumna is a Research Fellow at the Florence School of Regulation. He is an energy policy and regulation expert. His current research interests are:

- Capacity Mechanisms
- Energy Transition in developing countries
- EU TEN-E Regulation
- Energy Storage
- Stakeholder engagement in transmission infrastructure development
- Developing an economic framework for a meshed offshore grids

Pradyumna Bhagwat received his PhD in November 2016 at the Delft University of Technology (jointly with KTH-Royal Institute of Technology, Stockholm and the Universidad Pontificia Comillas, Madrid). He has a Bachelor in Engineering (Mechanical) from the University of Mumbai (2009). Subsequently, he completed the European Joint Masters in Management and Engineering of Environment and Energy (ME3) Program in 2011. Pradyumna gained industry experience at Alstom Power AB, Sweden and later at IL&FS Environmental Infrastructure & Services Ltd, India.



P K Pandey

Vice President

IGL



Mr P.K. Pandey ,Vice President, Indraprastha Gas Limited,Delhi. He has over 32 years of experience in the fertilisers, explosives and glass industries, and has been involved in maintenance, projects and marketing activities. He has experience in implementation of TPM and safety systems for the British Safety Council. He has also had a short stint with different plants of US-based Owens Brockway. Mr Pandey is a graduate in mechanical engineering from Delhi College of Engineering. He is a life member of the Indian Institute of Engineers as well as the Indian Institute of Welding. He is in the functional committee of OISD & MED16, PCD3 of BIS.

Mr Pandey has been with IGL since 2006 and has made a mark for himself in the CGD business in India as well as in International scenario. He has also presented papers in various National & International forums on different aspects of CGD business.



P.K. Pujari

Chairman

Central Electricity Regulation Commission



A Post Graduate in Economics from Delhi School of Economics, Shri P.K. Pujari joined the Indian Administrative Service (IAS), the premier civil service of India in 1981 and was allotted Gujarat cadre. During his career, he handled assignments in various departments/ministries in Gujarat as well as Central Government, such as power, commercial taxes, finance and industries. He was Secretary to Government of India, Ministry of Power for more than two years before his superannuation in 2017, after serving for 36 years.

Some of the key assignments in the field of finance and industries were (i) financial resource forecast, expenditure planning, annual budget preparation, debt and guarantee management; (ii) transition from sales tax to value addition tax (VAT), administration of commercial taxes by simplifying processes and making it enabled; and (iii) Setting up and marketing industrial estates and special economic zones.

He worked in the power sector for more than seven years, as Director and Secretary. As Director he was involved in developing policy framework for participation of private power utilities in generation and distribution. During his tenure as Secretary (2015-17), maximum generation capacity and inter-state transmission capacity was added in the country, resulting in one nation - one grid - one price.

As Secretary, he initiated and concluded a number of far reaching initiatives and policy changes. These include electrification of all the remaining 18,452 villages (as on 1.4.2015), launching of “UDAY” for sustainable operational and financial turnaround of discoms, revised Tariff Policy 2016, new coal linkage policy for power plants, revised National Electricity Plan, XIX electricity power survey, revised- bid documents for UMPPs, revised power allocation formula for states from cg stations, formulation of new

hydro-power policy, formulation of the new policy for universal households electrification by 2019, policy guidelines for integration of renewable energy into the grid, revised rules for captive generators, finalisation of the report for rationalisation of tariff structure and tariff categories During his tenure, the guidelines for cross border trade of power with neighbouring countries got finalised. The cross border transmission lines also got augmented substantially. This facilitated increased trade of power with Bhutan, Nepal and Bangladesh. Power trade with Myanmar started for the first time. Talks started for sub-marine cable connection with Srilanka. He led the Indian side for the bilateral talks on power trade with these countries.

He was closely associated with the signing of the International Solar Alliance Framework Agreement during COP22 in Marrakech. He led the Indian delegation for the 2nd BRICS Energy Ministerial Summit and also for the 8th Clean Energy Ministerial (CEM) Summit at Beijing.

His interests include reading books, sports and listening to music.

He has been appointed Chairman of the Central Electricity Regulatory Commission in February 2018.



Palka Sahni

Executive Director

IPDS, PFC Limited



The moment is opportune for distribution companies to adopt advanced digital solutions to become efficient and customer-centric, believes Palka Sahni, executive director, Power Finance Corporation (PFC).

A 2004 batch IAS officer of the Bihar cadre, Sahni took charge of her current role in October 2018. She is spearheading the Integrated Power Development Scheme (IPDS) and the erstwhile Restructured Accelerated Power Distribution and Reforms Programme (R-APDRP), which is being implemented by PFC as the nodal agency. The IPDS is the Government of India's flagship programme aimed at the strengthening and modernisation of the power distribution system in urban areas.

"The IT-enablement of DISCOMS achieved under the IPDS has improved business process flows and led to the automation of several key operational areas of DISCOMS," says Sahni. "We have been able to reach out to over 30 million urban consumers in 2,000-odd towns where IPDS-related work has been completed. This has led to an improvement in the quality and reliability of power supply and eased the life of the common man," she adds. Going ahead, the priorities are to complete the upgradation work of distribution infrastructure on time across the country, including difficult-to-reach towns of Jammu & Kashmir and the north-eastern states, and ensure that the states leverage technology to empower themselves and their consumers.

Prior to joining PFC, Sahni worked as director in the Department of Industrial Policy and Promotion, Ministry of Commerce & Industry, where she handled several flagship programmes of the Government of India, including the "Make in India" and "Ease of Doing Business" initiatives. She was also a part of the team that saw India break into the Top 100 in the World Bank's "Ease of Doing Business" rankings.

In addition, Sahni has served as managing director of the Bihar State Power Transmission Company and the South Bihar Power Distribution Company, where she provided leadership to the 7,000-odd workforce and gained in-depth experience of the power sector. Prior to that, she headed Bihar State Electronics Development Corporation Limited.

Aside from interests in energy and development economics, Sahni is a quiz and travel enthusiast. She is a gold medallist in physics from Punjab University, Chandigarh. She is a mother of two children and her husband too is an IAS officer.



Pankaj Batra

Project Director, SARI/EI/
IRADe & Ex-Chairperson CEA

Central Electricity Authority



Shri Pankaj Batra did his B.Tech in Electrical Engineering, Diploma in Systems Management, Diploma in Financial Management and Diploma in Public Speaking. He was Chairperson and CEO of the Central Electricity Authority, responsible for overall development of the Indian power system including Hydro, Thermal and Renewable Power as well as the Transmission & Distribution System of the country. He was also the Member (Planning) and ex-officio Additional Secretary to the Government of India and oversees various policy and planning functions, including Electric Power Survey Report on long term demand forecasting, National Electricity Plan on generation planning, coal and gas supply to power stations, renewable sources of energy, etc.

He has worked in the Western Regional Load Despatch Centre (WRLDC) as a System Operator.

He was also responsible for operation and maintenance of Power House, Switchyard and Dam in Chukha Hydro Power Corporation in Bhutan and operation and later operation and maintenance of transmission and distribution system of Bhutan.

He has worked in the Grid Management in the CEA Headquarters. He framed the regulations of CEA on Technical Standards for Connectivity to the Grid and regulations on Grid Standards.

He has worked as Chief (Engineering) in Central Electricity Regulatory Commission (CERC) formulating various Regulations, including various provisions related to wind and solar power in the revised Indian Electricity Grid Code.

He also started the Division on Regulatory Affairs in CEA and worked in Financial and Commercial Appraisal of power generation and transmission

projects in the CEA, and various financial and commercial matters. He was involved in making the Standard Bidding documents for procurement of generation and transmission services, Tariff Policy and National Electricity Policy, etc.

He was Member Secretary of the Task Force on Peaking Power Plants and Creation of Adequate System Reserves and the Task Force on Integration of electricity from Renewable Energy sources in the Grid and finalized the Reports. He was also in the Committee of Ministry of Power for formulation of Model Smart Grid Regulations. He was the Chairperson of the Technical Committee On Study Of Optimal Location Of Various Types Of Balancing Energy Sources/Energy Storage Devices To Facilitate Grid Integration Of Renewable Energy Sources And Associated Issues. He was also Chairperson of the Committee on preparing an approach paper for charging of electric vehicles including the facility, institutional arrangement and identification of regulatory interventions, if any, which has submitted its report.

He is the Chairperson of Working Group 4 on "Policy, Regulation and Business Models" in the India Smart Grid Forum. He is also Chairperson of the BIS Committee of LITD 10 – "Power System Control and Associated Communication". He is Chairperson of the BIS Committee for making technical Standards on Grid Scale Storage and has finalised the standards.



Patrick Clerens

Secretary General

Energy Technologies Europe (ETE)/ European Association for Storage of Energy (EASE)



Patrick Clerens studied law at the University of Saarbrücken and the University of Mainz. Since 1996, he has worked as a consultant for a private company specialising in European Affairs in Brussels. In his capacity as Brussels Representative of different European associations, he has been involved in the energy and climate field since 2003. He is Secretary-General of Energy Technologies Europe since May 2003 and of the European Association for Storage of Energy - EASE since its creation in 2011.



Patrick Favre-Perrod

Professor,

Electrical Power Systems, HES-SO
University of Applied Sciences
Western Switzerland



Prof Perrod had previously managed projects with SIEMENS, Germany in Global Development Network Strategy where he was responsible for innovation management and collaborative R & D in the HV substations business. Prior to that he led on R&D strategy and collaborations definition and management at Alstom Grid Research and Technology. He also worked on R&D project work in the Network Solutions and Renewables area at the AREVA T&D Research and Technology Centre gist and worked as research and teaching assistant multi-energy systems at the Power Systems and High Voltage laboratory at ETH Zurich. His personal focus is in the areas of electric power systems, especially topics related to transmission and distribution infrastructure: power system automation, control and digitalisation; integration of renewable power; smart metering; AC/DC hybrid systems; Flexibility and grid ancillary services. He also has a role in i) the Swiss Competence Center on Energy Research FURIES (WP3 leader) and ii) the University R&D programme “Energy District 2050” (programme coordinator).



Paul Da Cruz

Global Head of Business Development

Atos – Energy & Utilities Market



Paul is the Global Head of Business Development at Atos – Energy & Utilities Market. With 30 years in the Energy & Utilities Sector across the all the chain: from Power generation (Nuclear, Fossil, Renewables), Transmission & distribution, trading and retail. He has relationship at Director level with major Energy & Utilities companies around the world to deliver original market propositions in a low risk manner by his ability to inspire and lead teams – comprised of his own and client staff. His substantial IT and Energy experience ensures that the strategic propositions developed can be delivered successfully and profitably.



PC Maithani

Adviser

Ministry of New and Renewable Energy, Govt. of India



Dr. P. C. Maithani is currently an Adviser with the Ministry of New and Renewable Energy, Government of India and responsible for energy policy and regulations, hydrogen and fuel cells, and advance energy storage systems. He has been a key Indian climate-change negotiator in the United Nations Framework Convention on Climate Change meetings. He is also adjunct faculty at The TERI School of Advanced Studies. Dr. Maithani, holds doctorate in Physics and Post Graduate Diploma in Public Policy and Management from IIM, Bangalore.

He has contributed to many papers and articles and authored two books 'Renewable Energy in the Global Context'(2008) and 'Achieving Universal Energy Access in India: Challenges & Way Forward'(2015)



Peter Lundberg

Head of Operations

Asia Pacific Urban Energy Association (APUEA)



Mr. Lundberg is an energy engineer with fourteen years of experience as Team Leader, Project Manager, Technical Manager, System Designer, and Project Planner. He has worked and lived in several countries such as Sweden, China and Thailand. He has extensive experience in district heating, district cooling, energy efficiency, renewable energy, demand side management (DSM), and sustainable urban development. Currently, Mr. Lundberg is the Head of Operations at the Asia Pacific Urban Energy Association (APUEA) in Bangkok, Thailand. He is leading the APUEA secretariat to explore, develop and promote sustainable energy in the Asia Pacific region.



Phil Beecher

President and CEO

Wi-SUN Alliance



Phil Beecher is the President and CEO of the Wi-SUN Alliance, an industry organization which promotes standards-based interoperable wireless communications products for Smart Utility Networks, Smart City and Internet of Things applications and implements a rigorous testing and certification program to achieve its aims.

Phil has extensive experience in wireless communications protocols, standards and testing. He was chairman of IEEE 802.15 TG4g, TG4u and TG4v (wireless standards for Smart Utility Networks for use globally), vice chairman of IEEE 802.15 TG4m (TV Whitespace), vice chairman of the WiFi Alliance Smart Grid Task Group, chairman of OpenSG Edge Conformity Task Group, contributing editor to IEEE802.15.4-2006 and has held positions in the US Smart Grid Interoperability Panel (SGIP) Test and Certification Committee, Telecom Industry Association and Bluetooth SIG. He has been an active contributor in the development of communications standards and the specification of test plans for several Smart Utility Network standards, including Advanced Metering Infrastructure and Home Energy Management Systems.

He is a graduate of the University of Sussex with a degree in Electronic Engineering and holds patents in communications and networking technology.



Philippe Serres

Regional Director for South Asia

PROPARCO



Philippe Serres joined Proparco in 2013, first as a Senior Investment Officer in the private equity division, and since the summer 2016 as Regional Director for South Asia, based in New Delhi. Prior to that Philippe worked at the European Commission Delegation in Peru, at the microfinance rating agency Planet Rating, and as an Investment Officer in the microfinance team of AFD. Philippe graduated from the Institute of Political Studies of Paris (Sciences-Po) and holds a Master's Degree in Development Studies from the London School of Economics.



Philippe Bieri

COO, Gilytics



Phillppe has held management positions with Ernst and Young and Merz + Benteli AG and is currently a core member of Gilytics. Company Gilytics provides a cloud-platform that allows fast and simple identification of new routes for linear infrastructures. Using GIS-data (digital maps) and satellite images, their algorithms enable users to identify routes with lowest impact on environment and humans, including the economical and technical elements. Their platform allows to speed up the long and complex planning process of identifying new routes by 50%, saving up to 5% of total investment costs.



PK Agarwal

Director, Market Operations and CISO

Power System Operation Corporation Ltd



Presentably, heading Market Operations as Director in the board of Power System Operation Corporation Ltd, India (POSOCO). A schedule-A company responsible for managing entire Indian Electricity Grid as an Independent System Operator (ISO). He is also Chief Information Security Officer of POSOCO.

A power system engineer having more than three decades of experience in nearly all aspects of power system like construction/maintenance of transmission lines, grid substation, HVDC systems commissioning and O&M.

Implemented India's first integrated SCADA/EMS project and acquired expertise in areas like large SACDA system integration, up gradation with new technologies, applications of information technology in power system operation (larger grid operation) and cyber security of critical infrastructure i.e. SCADA and IT Systems of power sector.

Graduated in 1981 in electrical engineer from Maulana Azad National Institute of Technology, Bhopal.

Introduced Synchrophasor Technology in India through pioneering efforts of implementing India's first synchrophasors project in 2009. Experiences from this projected resulted implementation of many other projects and finally a large project with 1600 PMUs.

Having expertise in developing systems and procedures and mapping the same to software systems in the area of power systems operations. Some of the implemented systems are:-

HVDC terminals weekly and yearly maintenance management and recording system.

Daily energy booking system from the data of last 24 hrs grid operation on UNIX system with multiple terminals

Converted manual process of ABT Account Administration to automated software system.

Implemented Open Access Management system as online submission and approval moving towards paperless system.

Presently working on enterprise wide implementation, hominization of various process and systems for POSOCO.

Developed IT and technology roadmap for POSOCO.

Actively involved in designing of world's largest Wide Area Monitoring Scheme known as Unified Real Time Dynamic State Monitoring System.

Authored Chapter on "Synchrophasors for improving the performance of power system" in the book published by "The institution of Engineering and technology", London, UK

Written and published and presented many papers and articles at national and international levels.

Delivered many talks on synchrophasor technology, SCADA system, IT in power system, cyber security in power system in various International as well as national conferences.

Chairman of CIGRE National Committee C5 (Power System Market) of India.

Certified ISO 27001 lead auditor and Implemented Information Security Management System (ISO 27001) as management representative along with other standards like ISO 9001, ISO 14001, and OHSAS 18001

Involved in introducing and designing of Power System Market in India.

Actively involved in activities of CIGRE National Committee D2 (……..) of India.

Senior member of IEEE, USA, member of CIGRE, France, life member of All India Management Association, life member of Institution of Engineers, India and life member of CBIP, India.

Member of governing council of GO15 (erstwhile VLPGO) a voluntary organisations of world's large grid operator's association having 19 organisational members.

Members of various working groups and task forces of IEEE, CIGRE etc.

Core team member of panel of experts on Smart Grid Initiatives in India. Member of CERT-Transmission – Computer Emergency Response Team in Transmission System.

Visiting faculty of many technical and management institutes for their programme on power systems monitoring systems, cyber security etc.

Played key role in setting up of Renewal Energy Certificate (REC) Registry of India and designing its paperless online system of REC management.

Delivered many invited talks on IT in power system, cyber security in power system, Synchrophasors, SCADA system in various International as well as national conferences. Some of the International conferences are listed below:-

SCADA Asia Summit 2010, by IQPC in Malaysia

SCADA Asia Summit 2010, by IQPC in Hong Kong

Workshop on Energy, Cities, and the Control of Complex Systems by World Energy Council in Erice, Italy.



PM Singh

Vice President

Exicom Tele-Systems Limited



Hands-on experience in the development and setup of Design &Engineering Centers . Adept at directing development system in AC-DC Converters, DC-DC Converters, Telecom rectifiers, Network Communication Software products for Telecom application, UPS and Variable Frequency & Variable Voltage motor drives for Industrial applications through Product Qualification, System Integration and Testing.

Specialties: Versatile in leading technically qualified teams through all phases of development from technical requirements elicitation to product rollout, including cost analysis and planning. Conversant with implementing Six Sigma Methodologies/ Concepts to bring about significant performance enhancements.



PR Kumar

CEO

BSES Yamuna Power Limited



Mr. P.R. Kumar, 53 holds Bachelor of Engineering Degree in Electrical Discipline from National Institute of Technology, Nagpur. Further, he has also completed Masters in Business Administration from Faculty of Management Studies, Delhi. He is having a rich experience of over 30 years in Power Sector in the areas of Power Generation and Distribution covering fields like Project Planning, Project Development, Techno-Commercial Studies, Erection and Commissioning, Operation and Maintenance, Financial Analysis, Strategic Planning etc. Mr. P.R. Kumar has served in different organizations like U.P.S.E.B, N.T.P.C, D.V.B, BSES Rajdhani Power Ltd. and BSES Yamuna Power Ltd.

He is associated with BSES Yamuna Power Ltd. Rajdhani Power Ltd. since 2002, managing the areas like Strategic Planning, Business Operations, Regulatory, Legal etc.

Prior to taking over as Chief Executive Officer of BSES Yamuna Power Ltd. (BYPL), Mr. P.R. Kumar was Business Head in BSES Rajdhani Power Ltd.(BRPL), the power distribution company which caters to over 2.4 million customers in South and West Delhi.

BSES Yamuna Power Ltd. is a joint venture Company with 51% stake owned by Reliance Infrastructure Ltd. and 49% by GNCTD, catering the power supply demand of 1.7 Million customers of East, North East and Central Delhi.



Pradeep Aggarwal

Deputy General Manager -
Renewable & E-Mobility Initiatives

BSES Rajdhani Power Limited



Pradeep has been associated with the Reliance ADAG group from last more than 14 years and worked with different verticals starting from Power Trading, Business Development, Regulatory & Commercial and Distribution business across both locations at Delhi and Mumbai. In his present role he is working in the Renewable team of BSES Rajdhani Power Limited and part of E-Mobility & Open Access Team.



Prakash Mhaske

Chairperson

Central Electricity Authority (CEA)



Shri Prakash Mhaske is Chairperson and Member (Power System) in the Central Electricity Authority (CEA), Ministry of Power, and Government of India. He is also holding additional charge of Member (Grid Operations & Distribution). He has over 34 years of service in different government organisations including CEA, CERC and NRPC.

Shri Mhaske did his graduation in Engineering in the year 1982 from Visveswarayya Regional College of Engineering, Nagpur University. He joined CEA in 1984 as a Group-A officer in the Central Power Engineering Services, through the Combined Engineering Services Examination of UPSC.

He has worked in almost all the fields of power sector viz., Generation, Transmission, Grid Operation and Electricity Regulation. He has vast experience in the fields of Transmission Planning including techno-economic appraisal of transmission schemes and monitoring, Grid Operation and Regulatory issues.

He has also worked in Central Electricity Regulatory Commission (CERC) and was involved in formulating various Regulations such as Tariff Regulations; Availability Based Tariff (ABT), Indian Electricity Grid Code, Open Access, Electricity trading, Grant of Transmission licence, etc.

He was Member Secretary, Northern Regional Power Committee and was responsible for resolution of Grid Operation, Protection and commercial issues for safe, secure and economic operation of grid and for improvement of grid performance.



Prasanna Patwardhan

President,

BOCI



Prasanna Patwardhan is the President of BOCI and the current Chairman & Managing Director and has been instrumental in consolidating the group activities. Mr. Prasanna Patwardhan is also the Chairperson & Managing Director at the Prasanna Group

Mr. Prasanna Patwardhan has been instrumental in introducing new activities such as Passenger, Goods transportation, Domestic/International Tours & Travels and highway Restaurants/Motels. He has consolidated the group activities and drove the group's annual turnover from mere 3.0 lacs to 300+ crores. The Prasanna Group can today boast of being one of the largest Transport Company with operations across the country with a fleet of over 1000+ vehicles ranging from Indica cars to Volvo buses and small tempos to multi-axle trucks providing employment to around 4000+ people. This exponential growth has been accomplished through his Visionary Business acumen and the respect that he commands within the industry fraternity.

The Prasanna Group, has a long history of more than three decades in the Transportation & Leisure business with qualified, experienced and highly trained team of professionals managing the operations 24/7 efficiently with professionally designed Standard Operational Systems and Processes. The Group has an array of mobility solutions including City and Intercity scheduled bus services, Hop-On-Hop-off City Sightseeing services, Bus and Car rentals, Corporate and School bus services and Domestic & International tours and travel services for Corporate and individuals. Goods Transportation includes Surface Logistics across the country, evolving over the period of time from a traditional transporter to a nationwide Technology-enabled Logistics Solution Company. Hospitality sector includes chain of highway Restaurants/Motels offering array of cuisines, comfort and prompt services for business travellers, families and vacationers alike.



Prabhjot Kaur

Centre for Battery Engineering and Electric Vehicles (C-BEEV), IIT-Madras



Being proactive in defining Indian Charging Infrastructure working with industry and other stake holders, I want to be contributing towards setting the same for Indian specific needs and with Indian technologies. Very Passionate for Electric Vehicles, translation of R&D to commercialisation has been the key focus. Innovating around Renewables and EVs; taking steps and paving path towards clean tech technologies. Grooming start-ups and Industry-academia Interactions.



Praveer Sinha

CEO & Managing Director,
The Tata Power Company Limited



Praveer Sinha is the CEO & Managing Director of The Tata Power Company Limited (TPC, Mumbai), India's largest power Integrated company with a significant International presence. The Company has its presence in all the segments of power sector viz. Fuel & logistics, Generation, Transmission, Distribution and Trading. It is one of the largest renewable energy companies in India and has developed the country's first 4000 MW Ultra Mega Power Project at Mundra (Gujarat) based on super-critical technology.

Mr. Sinha has nearly 34 years of experience in Generation and Distribution sector. He has been responsible for developing and setting up Greenfield and Brownfield Power plants in India and abroad. Apart from this, he has actively contributed in bringing about huge socio-economic development and empowerment programs for youth and children in these project sites. Prior to becoming the CEO & Managing Director of The Tata Power Company Limited, he has served as the CEO&MD of Tata Power Delhi Distribution Limited (TPDDL), a Public Private Partnership (JV) of Tata Power and Government of National Capital Territory of Delhi from April'2012 to April'2018. The company has a registered consumer base of 1.68 million and reaches out to 7 million consumers in North and North West part of Delhi through its services.

Under the able leadership of Mr. Sinha, TATA Power-DDL has attained several benchmark performance level such as 8.4% of AT&C Loss level with Average System Availability of 99.97%, consumer metering of 100% etc. Which are the benchmark for Indian Utilities. Mr. Sinha is also a strong votary of usage of technology and hence TATA Power-DDL has been a front runner in innovating and adopting several world class technologies including integrated Advanced Distribution Management System, Integrated GIS, Advance Metering Infrastructure including Smart metering and involving the convergence of

Information technology, Smart Technology's and Smart Grid, etc. Under Mr. Sinha's leadership, TATA Power-DDL has also embarked upon its Solar Journey through the promotion of Distributed Energy resources including Roof Top solar projects, Energy Storage programs, Automated Demand Response and Electric Vehicle charging systems, applicable both in the Urban and rural environment. In this regard under his able leadership Tata Power-DDL is collaborating with various technological partners (such as 3M, GE, IBM, Honeywell, Enel etc.), research partners / institutes (such as MIT, Ryerson University, University of Chicago, Harvard etc.) and catalyst partners (such as USAID, ISGF, Smart Grid Canada etc.)

Apart from ensuring operational excellence, Mr. Sinha is extremely passionate towards the inclusive growth of the society and has implemented numerous sustainability programs focusing on women empowerment, skill development for youth and children, which has resulted in the multifold increase in the number of beneficiaries to nearly 1.1 million people in the National Capital.

He has been on the forefront of policy advocacy for making the Power Sector, especially Power Distribution, sustainable. Mr. Sinha has been awarded for his outstanding contribution in Power Distribution Sector by Central Board for Irrigation & Power (CBIP).

Mr. Sinha is actively involved in interfacing with key stakeholders for the sectorial sustenance. He is also a member of prominent committees for reforms in Power Sector like:

- Committee on Financial Viability and Restructuring of Discoms
- Committee to Review the National Electricity Policy
- Member of the Apex Committee on National Smart Grid Mission
- Chairman and Director of the Smart Utilities Group (SUG) and a India Smart Grid Forum respectively, which promotes the Vision, Direction and Focus to address challenges in improving the performance of Distribution Utilities by adoption, assimilation and deployment of state-of-the-art technologies which are scalable in the Indian context.
- Member of the Board of Governors for Management Institute "Faculty of Management Studies", Delhi University
- Member of the Board of Governors for Indraprastha Institute of Information Technology, Delhi (IIITD)

Educational Qualification

- Bachelor of Engineering (Electrical) from Punjab Engineering College, Chandigarh in 1984.
- Master in Business Law from National Law University, Bangalore in 1999-2002.
- A Research Scholar at Indian Institute of Technology, New Delhi.
- A visiting Research Associate at Massachusetts Institute of Technology, Boston, USA.
- A distinguished Visiting Scholar at the Faculty of Engineering and Architectural Science, Ryerson University, Canada.



Pravin Agrawal

Joint Secretary

Department of Heavy Industries



Shri Pravin Agrawal IFS presently Joint Secretary, Department of Heavy Industry (DHI), Ministry of Heavy Industries and Public Enterprises has been appointed as Part-Time Official Director, BHEL. Shri Agrawal is a Commonwealth scholar and holds post-graduate degrees in sustainable development, public policy and Management from different Global Universities.



Purushottam Kaushik

Head- Strategy

Special Initiatives- L&T Smart World and Communications, L&T



Twenty four years of experience in Leadership and Management consulting roles in India and SAARC in Telecom, IT MNCs He has Proven entrepreneurial strength through multiple challenging assignments - Sales, P&L leadership and Organization Transformation initiatives, building and managing large business verticals. He is a Industry expert, Board Advisor and Trusted consultant across Smart cities, IOT, Digital Transformation. He has multiple years of Experience building Partner eco system for new growth initiatives through large System Integrators, Telecom Service Providers, Cloud Service Providers, Application vendors, Telecom and IT OEMs and Management consulting organization. He is a Board Member of Leading Technology Institutions, Driving convergence of Academia with Industry and Government for Policy and Programs. He is mentoring Start Ups in domain of IOT, AI, Smart Energy and Smart Cities. He is recognised as an excellent people leader known for building large and diverse teams grounds up building collaborative culture in matrix structures with result oriented approach.



Rakhi Basu

Senior Transport Specialist,
World Bank



More than 20 years of global experience across Asia, Middle East, Africa, Europe and USA in advising government and industry officials to tackle their highest priorities in infrastructure and human development. Subject matter expertise in End-to-End Global Supply Chain Management, electric vehicles and disruptive technology. Developed the World Bank's e-mobility program to accelerate the electrification of road transport. I build teams, keep people connected and engaged, and drive a culture of innovation.



RR Mehta

Former CEO

Reliance Energy



Mr. RR Mehta has been with Reliance Energy, the distribution arm of Reliance Infrastructure Ltd. since 2004 and held the position of CEO prior being designated as Mentor.

The Company has been a distribution licensee for the suburbs of Mumbai for the last 85 years with an area of 400 Sq. KM and consumer base of 29 lacs serving approximately 2 out of 3 homes in Mumbai.

Mr. Mehta, a Chartered Accountant, has a total of 40 years of national and international senior management experience from ship owning to international trade and to managing diverse profiles of customers including large world renowned steel companies in USA, Europe, Korea, Philippines, Mexico and managing the electricity distribution services to consumers in Mumbai as diverse as commercial establishments, industrial units, residents in organized developments and also the residents of slums. Mr Mehta has also undergone a certificate course on Arbitration at National Law College, Bangalore and course on Mediation conducted by Bombay Chamber of Commerce under the auspices of Bombay High Court. In 2011, Mr. Mehta had steered the organization –first in India – through a challenging task of the distribution license grant (renewal) for 25 years, coming up against all challenges of the regulatory intent of the test of the provisions of the Electricity Act 2003.

Mr. Mehta is passionate on the use of technology and innovative approach to increase efficiencies and bring transparency for all stakeholders, including customers. A number of initiatives were instituted towards empowerment, through structured delegation of authority and accountability, to create a strong and equal opportunity organization.



René Schumann

Professor

HES-SO Valais-Wallis



René Schumann studied computer science at the Carl von Ossietzky University of Oldenburg, Germany. From 2004 to 2007 he worked at the R&D division business information management at the OFFIS Institute for Information Technology, Oldenburg. During his time at OFFIS he established the logistics group within the research devision.

From 2007 to 2010 he was employed as a researcher in the information systems and simulation group headed by Prof. Dr. Ingo J. Timm at the Goethe University, Frankfurt am Main. He received his PhD. in 2010. The title of his thesis was Engineering Coordination A Methodology for the Coordination of Planning Systems.

From 11/2010 until 05/2011 he was a DAAD Researcher at the National Institute of Informatics, Tokyo, Japan. During this time he started to work on Distributed Constraint problems.

In June 2011 he joined the Applied Intelligent Systems Lab at the University of Applied Science Western Switzerland(HES-SO). There he worked as a postdoc in the field of eHealth.

Since 10/2012 he is appointed as a Professor at the HES-SO. His current reseach theme address the business process management in particular in the domain of e-Governement.



R. P. Gupta

Additional Secretary (Energy)

Niti Aayog



Shri R. P. Gupta is an IAS Officer of 1987 Batch of Gujarat cadre. He did B. Tech. from IIT, Kanpur in Aeronautical Engineering. Apart from working in the field assignments in earlier part of his career as District Development Officer, Municipal Commissioner, District Collector etc., he mainly worked in the field of education, land record and energy at the policy making levels. In every field, the focus was on streamlining the system and introduction of modern technology to make the system more people friendly and responsive to their needs.

In the area of land records, digitization of village maps and land parcels and synchronizing them with satellite imagery along with geo-stationery tagging was done. Resurvey of state of Gujarat using modern technology was also started this time.

In the field of education, he introduced completely transparent computerized system of teachers' recruitment enabling the State to recruit tens of thousands of teachers purely on merit in a short period of one month. His other contribution was in conceptualizing and implementing an annual assessment of quality of education in about 35000 Government schools in the state of Gujarat in digitized format to compare schools, tehsils and districts across the State but also enabling improvement or deterioration over time and assessing teachers performance.

He worked in the Ministry of Coal for about two and a half years and in Energy Department in the State of Gujarat. He also worked as Secretary, Department of Food and Civil Supplies dealing with the Public Distribution System (PDS). In this capacity, apart from fully computerizing the PDS right from Fair Price Shop to State Government level, system of biometric

authentication was implemented to eliminate the leakages. In this capacity he also dealt with LPG and Kerosene distribution through PDS as cooking and lighting fuel.

Presently, he is working as Additional Secretary in NITI Aayog and looking after Infrastructure-Energy, International Cooperation along with Health, Education in rural and urban sectors.



Rahul Tongia

Fellow, Brookings India



Dr. Rahul Tongia is a Fellow with Brookings India, and leads energy and sustainability studies. His work is interdisciplinary focusing on technology, policy and design of infrastructure, especially for sustainable development, and spans regulation, access, pricing, innovation, and pricing. He is also an Adjunct Professor at Carnegie Mellon University, where he was on the faculty for many years. He is the Founding Advisor of the India Smart Grid Forum (ISGF) and was also instrumental in setting up the Smart Grid Task Force, Govt. of India, in 2010 where he was Technical Advisor.

A pioneer for smart grids in India and the US, he was on the Technology Advisory Board 2005-2008 for Southern California Edison's award-winning Smart Grid rollout. He was recently a Member of the World Economic Forum (WEF)'s Council for Advanced Energy Technologies, and was also the Chair of the Working Group on Policy of the Clean Energy Finance Forum (CEFF). Dr. Tongia has a Bachelor's in Electrical Engineering from Brown University and a Ph.D. in Engineering & Public Policy from Carnegie Mellon.



Rakesh Kumar Upadhyay

Former CMD, BSNL



Mr. Rakesh Kumar Upadhyay has been working as Chairman & Managing Director of BSNL (A Government of India Enterprise) since 30th April 2011. He joined the Department of Telecommunications, Government of India, in 1975 as an Indian Telecom Service (ITS) Officer and has accomplished about 37 years of distinguished service in the telecom sector in various offices and Public Sector Undertakings under Ministry of Communications and IT. Before joining BSNL, he worked as CMD of Telecommunications Consultants India Ltd. (TCIL), another Government of India Enterprise, from March, 2007 to April, 2011. In TCIL, he held several important positions, such as Group General Manager (New Technology), Executive Director (Project Monitoring) and Director (Projects). As its CMD, he has to his credit the turnaround of TCIL. He is a B.Tech in Electronics Engineering from I.T., B.H.U. (Passed with Honours). He is also a graduate of Defence Services Staff College (DSSC), Wellington. He was awarded M.Sc.(DS) Degree by Madras University. He has also completed MBA in Marketing Management. During the course of service, he has gained valuable and diverse experience in areas of Planning, Installation and Commissioning, Commercial Administration and Operations.



Rahul Walawalkar

Chair, Global Energy Storage Alliance

President & MD, India Energy Storage Alliance



Rahul leads the Emerging Technologies & Markets practice for Customized Energy Solutions. Customized Energy Solutions manages a portfolio of over 3000 MWs of resources including 1300 MWs of wind in various markets in US.

In 2012, Maharashtra Electricity Regulatory Commission (MERC) nominated him as chairperson of working group on Integrating Renewable Energy Sources (RES), Micro-Grids and Energy Storage as part of Smart Grid Coordination Committee.

In June 2013, he was also nominated as member of national taskforce for integration of Electricity from renewable Energy sources in the Grid during the 12th Plan by Central Electricity Authority & Ministry of Power.

Rahul currently serves on the Board of Directors of Electricity Storage Association and is also Executive Director for India Energy Storage Alliance. Recently he has been appointed as Chairman of Global Energy Storage Alliance.



Raj Pratap Singh

Chairman

UPERC



Shri Raj Pratap Singh took charge as Chairman of UPERC on 2nd July 2018. Shri Raj Pratap Singh Joined Indian Administrative Service (IAS) in Aug. 1983 (Uttar Pradesh cadre). Sh. Singh has dealt with policy formulation, budgeting, implementation, monitoring & coordination, personnel management and service delivery aspects of Public Administration at the state govt. (21 years) & central govt. (6 years) levels in India. In addition, Sh. Singh has worked as Sr. Advisor for 3 years in a multilateral development institution (World Bank) at the Board level at Washington DC.

At the highest levels of decision making, Sh. Singh has been responsible for converting governments/ institution's mandate into viable Policies/ Programs & Projects with effective delivery mechanism.

He has been Chief / Dy. Chief in government departments, autonomous bodies, Public Sector Undertakings for developmental, regulatory and resource mobilization functions. In these assignments, Sh. Singh has effectively brought transparency & good governance in decision making and execution, prudent financial management and anti-corruption measures.

Sh. Raj Pratap Singh represented Indian Chair in International Development Agency (IDA) - 14 & IDA-15 replenishment meetings. He has visited around 31 countries as member of Indian Prime Minister's official / Indian delegation including USA, UK, Russia, Japan, France, Germany, China, Nepal, Pakistan, Thailand, Malaysia, Singapore, Maldives, Denmark, Syria, Turkey, Cyprus, Greece, Switzerland, Nigeria, Laos, Macau etc.

Sh. Raj Pratap Singh in his illustrious career has held various important posts, some of the salient ones are – Agriculture Production Commissioner & Additional Chief Secretary Govt of Uttar Pradesh Dates (Apr 2017 – July

2018), Member – Board Of Revenue (Feb 2016 – Mar 2017), Principal Secretary – Government of Uttar Pradesh (Nov 2007 – Feb 2016), Principal Secretary to

Chief Minister, Government of Uttar Pradesh (Feb 2010 – Mar 2012), Sr. Advisor – The World Bank (Nov 2004 – Nov 2007), Private Secretary to Prime Minister of India (Nov 1999 – Oct 2004), Secretary – UP Electricity Regulatory Commission (Mar 1998 – Nov 1999), District Magistrate & Collector – Lucknow Government of Uttar Pradesh (Jun 1997 – Apr 1998).

He superannuated as Agriculture Production Commissioner, Govt. of Uttar Pradesh.



Rajeev Kumar Chauhan

Director (Projects)

PGCIL



Shri Rajeev Kumar Chauhan, (58 years), is Director (Projects) of our Company. He graduated from IIT Roorkee in Electrical Engineering and has a diverse experience of more than 34 years in EHV AC&DC transmission system covering almost all areas of the transmission system. He has been associated with POWERGRID since 1994 and has contributed to all segments of Power System Management in POWERGRID i.e. Project Management, CTU Planning, Design & Engineering (EHV AC & HVDC), Procurement, Site Execution, Operation & Maintenance, Consultancy, DMS, Commercial Functions in POWERGRID under various capacities and has played vital role in various prestigious HVDC projects of the Company. He has also served for 10 years in NTPC prior to joining POWERGRID in 1994. He has also authored technical papers in various forums. Presently, he is chairman of CIGRE NSC B4 committee for HVDC & Power electronics and the BIS ETD40 Group. He was appointed as a Director on our Board in August, 2018.



Rajendra Cholan

Managing Director

North Western Karnataka Road Transport Corporation



Rajendra Cholan is the current Managing Director of North Western Karnataka Road Transport Corporation. In his previous profile he was Managing Director of Bangalore Electricity Supply Company from 2016 June, his wife is Mrs. Deepa Cholan and has 2 children.

Mr Rajendra Cholan he has a bachelor's degree in Electrical Engineering from Madras University, also holds a MBA degree from Madurai Kamaraj University.

He is an IAS officer of the Karnataka cadre from 2008 batch, he has served the state government in various capacities:

1) Assistant Commissioner in Haveri District (2008 to 2011)
2) Chief Executive Officer in Kolar District (2011 to 2012)
3) District Commissioner in Yadgir District (2012 to 2013)
4) Managing Director in HESCOM (2013 to 2014)
5) District Commissioner in Dharwad District (2014 to 2016)
6) Presently working as the Managing Director of the Bangalore Electricity Supply Company from 2016 June.

His wife Mrs.Deepa Cholan is also an IAS officer of 2008 batch, who is currently working as Commissioner Women & Child Welfare Department.



Rajeev Sharma

Scientist F & Head
(Electrotechnical Department),
Bureau of Indian Standards



Experienced Director with a demonstrated history of working in the government administration industry. Skilled in Strategic Planning, Quality Assurance, Management, Business Strategy, and Project Planning. Strong professional with a BE - Bachelor of Engineering focused in Electrical Engineering from Punjab Engineering College.



Rajesh Kumar Mediratta

Director (Business Development)

IEX



Rajesh Kumar Mediratta has over 32 years of experience in apex organizations of the India's power sector.

He is working with IEX since inception and played key role developing power markets in the country. Earlier, he has worked with Central Electricity Authority, the apex planning organization, as Assistant Director and with WRLDC, POWERGRID (a Regional System Operator). Many first to his credit as key resource: Implementing ABT (an energy settlement mechanism at wholesale level) in Western Region (one of electrical region comprising of several states), Implementing intra-State ABT in Gujarat and first power exchange in the country.

He has worked in power system operations, commercial mechanism, power system protection and all aspects of exchange business. He has to his credit several papers on power markets, renewable markets, commercial mechanism, power system operation and settlement systems and on deregulation of power sector presented at international and national conferences Mr. Mediratta holds a degree in Mechanical Engineering and an MBA (Finance).

He is currently holding the position of Director (Business Development) at IEX.



Rakesh Kumar

Programme Director

International Solar Alliance (ISA)



At present Program Director & Senior Consultant (Technical), International Solar Alliance, an inter-governmental body initiated by India and France to promote & scale-up solar energy in 121 prospective member countries.

Has a diverse experience of 36 years in energy sector, in companies like NHPC, POWERGRID, PTC India, Solar Energy Corporation of India and last two years with International Solar Alliance (ISA).

He played key support role in Cross-Border Transmission Inter-connections & power trade with Bhutan, Nepal and Bangladesh and in the development of a vibrant power market in India. His team efforts in rooftop solar won SECI a National Award from Ministry of New & Renewable Energy, Government of India in year 2016.

He has earlier been National Consultant – India for ADB "SAARC Regional Energy Trade Study, March 2010"; contributed to World Energy Outlook 2011 as member of peer review team, served as member of National Task Force on Power Exchange in India and Programme Director for "Indo Norwegian Programme for Institutional Cooperation". In ISA, he is leading the Program 4 "Scaling Rooftop Solar", part of expert groups' support to member countries, team initiatives for assessment/ aggregation of demands for solar irrigation pumps and solar rooftops, besides assistance in developing select institutional partnerships/ collaborations and ISA outreach to its member countries



Raman Srivastava

CGM (I&A)

IGL



Working as Chief General Manager (Instrumentation & Automation) at Indraprastha Gas Limited, New Delhi with an overall experience of more than 25 Years in the field of Instrumentation & control system.

At IGL, he has worked for around 10 years in Instrumentation Maintenance of CNG equipment and implemented various projects like remote monitoring & control of Dispensing units, AMR for Industrial & commercial customers, SCADA system for pipe line valves, Modernization of metering system etc.

Before joining IGL, he has worked for various organization like DCM Shriram Consolidated Ltd, Shriram Industrial Enterprises Ltd, Kanoria chemicals at various capacities in Instrumentation & control system maintenance, projects including SCADA system.

He is a B.E. (Electronics) from Govt. College of Engineering, Amravati and has wide experience in Chemical, Sugar, Power plant & CGD Industry.



Randi Kristiansen

Economics & Financial analyst

IEA



Randi Kristiansen is working in the Gas, Coal and Power division in the IEA as an Economics & Financial analyst where she works with power system flexibility, market reform and cross-border (within countries and between countries) trading. Her focus is on Asia in general where focus areas include ASEAN, China and India. Before joining the IEA she has spent 10 years trading power, coal, gas and electricity certificates in various European markets, as well as structuring corporate PPA's for renewables. She managed a portfolio of more than 1500 MW of wind in Scandinavia, where she was in charge of forecasting and associated imbalances of both an RE portfolio as well as a consumption portfolio. After trading she joined the Danish Transmission System Operator, where she worked in the market development department. She has been involved in creating methodologies for transmission capacity calculation, financial long term transmission rights and setting up the Nordic Regional Security Coordinator. Randi Kristiansen holds a master of Economics from Aalborg University, Denmark.



Ravi Arora

Vice President

ABB Power Grids



Ravi Arora, Vice President, ABB Power Grids is responsible for the Regional Sales for HVDC Business in South Asia and Pacific region. He comes with more than 30-year experience in the Power Sector spread across Power Transmission, Hydro Power and Solar Power Generation areas. Before joining ABB, he has also worked in large companies viz. Powergrid Corp of India Ltd, Alstom Power, Voith Hydro and Sembcorp Green Infra etc. in this sector. He brings a good supplementary blend of experience to drive the new regional interconnections.



Ravi Seethapathy

Ambassador Americas

Global Smart Grid Federation

ISGF



After 35+ year career in Electric Utilities/Power Systems, Ravi Seethapathy is now an Advisor to the Utility/Industry, and sits on the Boards of Power Transmission & Distribution (IC) Division of Larsen & Toubro, India; Biosirus Inc., Canada; Smart Grid Canada, and India Smart Grid Forum. His current international activities include (1) "Ambassador for the Americas", Global Smart Grid Forum; (2) CIGRE Convener WGC6.28-Remote Grids; (3) IEA PVPS Taskforce 14 – Large Scale Solar Integration; (4) IEC TC 120 – Energy Storage; (5) IEC SEG4-LVDC; and (6) Chair, India Smart Grid Forum WG 5-RE & Micro-grids. He an invited speaker internationally and has co-authored over 50 technical papers in the areas of Smart Grid. He Founder/ Executive Chair of Biosirus Inc. in Canada.

Retired in 2014 after 31 year career in Hydro One/Ontario Hydro (a leading utility in Canada), where he managed leading portfolios in R&D, Innovation, Smart Grid Projects, Energy Storage, Renewable Energy Integration, Asset Management, Corporate Operations/Technical Audit, M&A (500M$), Field Operations, and Relaying and Control. His past corporate directorships include Toronto Atmospheric Fund, Ryerson University, TV Ontario, Scarborough Hospital, Nevaro Capital Corp, Engineers without Borders (Chair), Canadian Club of Toronto (President), Indo-Canada Chamber of Commerce (President).

Ravi has received numerous honours and citations including Queen Elizabeth Diamond Jubilee Medal (2012), Fellow Canadian Academy of Engineering (2012), Hydro One President's Award (2008), Honour Roll of the Shastri Institute (2008), Honorary Fellow, Centennial College (2005), and Indo-Canada Chamber of Commerce (1996) to name a few. Ravi's education includes a B. Tech (Hons) in Electrical Power from IIT, Kharagpur, India; an M. Eng. in Electrical Power from the University of Toronto; and an MBA from the Schulich School of Business, York University. His family/he have endowed an IEEE Award in "Rural Electrification Excellence".



Ravinder Singh

Chief Business Development (Rooftops)

TATA Power Solar (TPS)



At TATA Power Solar (TPS), Mr. Ravinder Singh has overall responsibility for driving sales and setting the strategic direction to support the aggressive growth plans of the Company in the Roof top segment.

Prior to TPS, Mr. Singh was with Turbo Power Systems as Head of Global Strategic Marketing and Director of Business Development-Asia. He has over 30 years' experience that encompasses working in companies such as Honeywell, AlliedSignal and Crompton Greaves in a variety of global roles and functions with specific focus on identifying and developing markets for disruptive technologies in the Distributed Energy and Energy Efficiency domain.

Mr. Ravinder Singh holds a Bachelor of Engineering degree in Mechanical followed by MBA in International Marketing and Strategy from Strathclyde Graduate Business School.



Raymond Kaiser

Director of Energy Management Systems

Amzur



Raymond Kaiser has been leading the Internet of Things (IoT) efforts. Kaiser is an advocate for improving distributed energy management systems. For the past 15 years, Kaiser has been providing energy and environmental consulting to local, state, and federal agencies, as well as major solution developers, engineering firms, and national and international architectural firms. As co-chair of SEPA Energy Services Interface Task Force and US DOE Orange Button (open solar data exchange) Design and Construction Technical Working Group, Kaiser has been serving in local events that showcase new trends and technologies in the energy field. Kaiser provides top industry knowledge in LEED, sustainability, energy efficiency and business development allowing him to bring expertise to all tasks.



Reena Suri

Executive Director

India Smart Grid Forum



Reena Suri, Executive Director with India Smart Grid Forum (ISGF) since 2013, brings over 19 years of experience in the Energy Sector. She is responsible for the research projects, advisory services, business development, training and capacity building programs, customer outreach activities, member's relations and finances of ISGF. Reena has contributed to the various advisory services, whitepapers and research reports of ISGF such as: Implementation Plan for Electrification of Public Transportation in Kolkata City; Smart Grid Handbook for Regulators and other Stakeholder; Blockchain for Electric Utilities; Energy Storage Roadmap for India; Smart Grid Roadmap for Bangalore Electricity Supply Company Ltd; Development of Roadmap for Implementation of Smart Grid – Concepts, Practices and Technologies in SAARC Region; Study on Infrastructure and Enabling Environment for Road Electric Transport in SAARC Member States; and World Bank EV Project: EV Ecosystem Support for Kolkata.

Reena is the founder-editor of the Smart Grid Bulletin published by ISGF since January 2014 which has online circulation of over 50,000 senior professionals in 100+ countries. As an outreach specialist, she has been involved in development of the Customer Outreach programs for the utilities implementing the Smart Grid projects in India.

The outreach program helps the utilities to educate the project benefits to the customers well in advance of the start of project implementation. Reena is also responsible for designing and delivering training and capacity building programs on various domains of Smart Grids for Policy Makers, Regulators and Utility Officials. Reena is instrumental in making the India Smart Grid Knowledge Portal (www.indiasmartgrid.org), one of the most popular portals on smart grids globally.



Dr. Reihana Mohideen

Melbourne Energy Institute,
University of Melbourne



Dr Reihana (Sithy) Mohideen is a Senior Research Fellow in the Department of Electrical and Electronic Engineering undertaking research on socio-technical modelling and the low-carbon energy transition in developing countries. Her research analyses advanced technology trends in the low-carbon energy transition taking place in developing countries with specific applications to South Asia, as well as the opportunities to simultaneously leapfrog technology and social equity gaps.

The breakthrough socio-technical modelling research that she is developing includes assessment of DER and microgrids to meet rural electrification needs in villages and in small towns with weak grid connections, incorporating advanced technology transfer and know-how into low-income communities to foster local economic development while also integrating measurable social inclusion criteria. These models are verified through test cases in the field, monitored over a multi-year period.She completed a BEng degree in electrical engineering at the University of Melbourne (1981), and finished her postdoctoral studies also at the University of Melbourne (2015) in renewable energy systems in Asia, researching the societal and gender implications for newly electrified rural communities in Nepal.

She has worked as an international development specialist for more than ten years. She has been involved in the design of energy projects in South Asia, ranging from conventional hydropower, solar parks, solar-wind-micro hydro powered mini grids, as well as transmission and distribution systems. She is a member of IEEE Australia, the IEEE Society on the Social Implications of Technology and Power and IEEE Power and Energy Society. She is actively involved in supporting community development NGOs working with women in urban and rural poor communities in Asia.Events Conference

on Inclusive Community Energy Resilience in Bangladesh23 April 2019 to 24 April 2019Dhaka, BangladeshThis conference is aligned with ADB's initiative to integrate high-technology in projects and aims to introduce innovation; improve service delivery, efficiency, and productivity; address climate mitigation; enhance system resilience; and create market opportunities towards inclusive development.



REMY GARAUDE VERDIER

Smart Grids Project Manager

Electricite Reseau Distribution France



Remy GARAUDE VERDIER is a Smart Grids Project Manager within Electricite Reseau Distribution France (ERDF).

GARAUDE VERDIER is a civil engineer with an MBA from Lausanne IMD (Switzerland). He has worked in a variety of jobs during a 10-year career at EDF Group. His previous roles include managing the integration of the EDF Group's SAP solution to its new nuclear build division in the UK and the US, and managing the purchase and engineering domains in the biggest SAP deployment completed to date (more than 80,000 users). Prior to joining EDF Group, he managed several large construction projects around the world for VINCI Group.



Richard Schomberg

IEC Ambassador & Chairman

IEC Smart Energy Systems Committee



Richard Schomberg is IEC Ambassador for Smart Energy (www.IEC.ch). Recipient of the IEC 2011 Lord Kelvin award, he designed multimillion euros complex systems for critical operations. He has been Professor of System Engineering at Supelec (Paris), Chair of the Intelligrid Strategy Committee (Electric Power Research Institute – recipient of the Chauncey Starr Award 2005). He has been member of the Technology Advisory Board of Southern California Edison, emeritus member of the US DoE Gridwise Architecture Council. He had the responsibility of EDF R&D activities in North America (strategic partnerships with scientific/industrial players), sourcing and transferring innovations to EDF Group in Europe. He is currently in charge of strategy and Smart Energy Standardization activities coordination across EDF.



Rishi P Goyal

GM

Smartgrid and Meter Technical,
BSES Rajdhani Power Ltd



Over twenty years of experience in delivery of turnkey solutions for Advanced Metering / Remote Metering Solutions, Home automation, integration of various applications and continuous improvement in program delivery, management of globally located cross functional teams with timely and cost effective deliveries for products, services and solutions.

My experience includes approx. 4 years in automobile industry and 16 years in Metering,

I have worked with Secure Meters Ltd for 12 years in various roles in Process Engineering & Automation, Business development and Program delivery for new products. I was Project Coordinator looking after end to end deliverables that delivered the first AMI project in Australia totally almost 1 million Smart Meters in partner with Silver Spring Networks.

I spent 2 years at a distribution company in Nigeria as Head Metering deploying Smart Prepaid Metering solution and integrated with ERP system for billing, asset management and consumer related services.

For the last 2.5 years I am associated with BSES Rajdhani to improvise smart prepaid metering and implement AMI solution in its license area.



Rohan Seneviratne

Deputy General Manager

Ceylon Electricity Board, Sri Lanka



Eng. Rohan Seneviratne is a Chartered Electrical Engineer with over 30 years of experience in the field of engineering and technology. He is a Fellow member of Institution of Engineering and Technology, UK and Institution of Engineers, Sri Lanka.

At present he serves as an Additional General Manager of the Ceylon Electricity Board which is the national power utility of Sri Lanka. He also functions as the Project Director of the Enterprise Resource Planning Project of Ceylon Electricity Board and heads the first commercial Smart Metering Project of the Ceylon Electricity Board. He also chairs the digital transformation work group of the Ceylon Electricity Board.

He also served as the Additional Secretary (Technical) of Ministry of Defence and Urban Development for five years period where he headed the Technical Division of the Ministry of Defence and also served as the Project Director of the Metro Colombo Urban Development Project.

He is an active member of the Institution of Engineering and Technology and served as the Chairman of the IET Sri Lanka Network and as a member of the South Asia Communities Committee of the IET. He was the brainchild of the “International Conference on Digital Transformation of Public Service Delivery” organised by the IET Sri Lanka Network in the year 2018.



RP Singh

Vice President

Strategic Partnership and Customer Success,

Smart Energy Water



RP Singh, has over two decades of Business and P&L Leadership experience. Having worked with companies such as IBM, Microsoft, Cisco, SAP, Airtel, etc. he has deep expertise in Business Management and Sales, and loves to drive scale transformation for businesses with a people- first approach. His contribution has been instrumental in the digital transformation of Enterprises, e-Governance, Utilities, Infrastructure, Urban Development, and Smart Cities to reshape these organizations, and build people's capabilities helping them win on the world stage.



S R Narasimhan

Director (System Operation)

POSOCO



Shri S R Narasimhan is the Director (System Operation) of our Company. Prior to this assignment, he was Executive Director, National Load Despatch Centre (NLDC) and responsible for reliable and economic operation of the All India electricity grid which is also connected to the neighbouring countries of Bhutan, Nepal and Bangladesh. Shri S R Narasimhan has a Bachelor's degree in Electrical Engineering from the erstwhile Delhi College of Engineering in 1986 and a Master's in Business Administration (MBA) in 1996 from IGNOU. He has over three decades' experience in power system operation spread across CEA, POWERGRID and POSOCO after an initial stint with BHEL.

After a total of 23-year stint at Northern Regional Load Despatch Centre (NRLDC), New Delhi and Western Regional Load Despatch Centre, Mumbai, Shri Narasimhan joined NLDC in July 2011. He has extensive experience in interconnection of regional grids leading to a synchronous All India electricity grid. He has handled all facets of power system operation ranging from operational planning, scheduling, real time operation and post-despatch analysis besides deployment of the necessary tools for visualization and Situational Awareness. He has also implemented several electricity markets reforms such as the Availability Based Tariff, interstate open access, Day Ahead Markets (DAM) through Power Exchange (PX), Point Of Connection (POC) method of transmission charges sharing, Frequency Control Ancillary Services etc.

Shri S R Narasimhan has contributed to several Expert Committees at the Government and regulatory levels in different areas ranging from system operation, grid integration of Renewable Energy (RE) resources and optimization to institution building. He is a Fellow of the Institution of Engineers, India, Senior Member of IEEE and a member of CIGRE. He has published over thirty (30) papers at the national and international level.

He is passionate about making our energy systems more reliable, resilient, economic and clean along with a commitment to technical excellence and the highest ethical standards. He joined our Board in Nov'18.



Dr. S. C. Sharma

Former Officer on Special Duty
(Energy & Climate Change),

Planning Commission



Dr. Sharma is one of the few professionals in India having worked with Government of India, Public Sector Undertaking (ONGC) & raising Petronet LNG Limited from a startup. Dr. Sharma has done an extensive work on energy integration, energy economics and climate change. Dr. Sharma is also an alumnus of IIT Bombay and did his doctorate from IITB in 1984.

Dr. Sharma has worked on formulation of national energy policies including market price for energy & oil and gas sectors. He advised Government of India on integration of energy/petroleum sector value chain & its economics to develop a sustainable energy supply infrastructure.

He is one of the founding members of Petronet LNG Ltd. from conceptualization, contract development to commissioning and commercialization. Petronet LNG Ltd currently accounts for 40% of natural gas supplies in India.

Dr. Sharma has been deeply associated with developing national energy policies including for oil & gas, renewable energy Coal, Nuclear & power sectors. He was also member for creating solar mission, & national clean Energy Funds (NCEF) for India.

Dr. Sharma estimated India's position on carbon emission sustainability presented at Copenhagen (COP15) in 2009 & subsequently followed at COP-21 at Paris. Dr. Sharma had been a member of number of global energy institutions like G-20 Clean Energy Ministerial, UN Energy Sustainability group and bilateral & multilateral energy cooperation's with OECD countries including USA, Canada, Australia and European Union.



Shri S.K. Pathak

Managing Director

Rajasthan State Gas Limited



An accomplished Project Management Specialist with over 35 years' trail-blazing professional experience in the field.A graduate from IIT Roorkee, joined GAIL & was one of founder member of the company that completed it's first natural gas HBJ pipeline in 1988. Been associated in implementation of all major gas pipeline projects from concept till commissioning exceeding 6000 km length (valued over Rs 6000 crores) -laid in India.

He has been a crisis-buster for his organisation. Resolved following crises thus far.Aptly described as the 'Best Expediter in India' in the Oil and Gas sector having expedited all major bought-out items for all pipeline, LPG extraction plants and Petrochemical Complex erected & commissioned worth Rs. 12,100 crores resulting in faster implementation of projects besides leading to less IDC component. He has saved over Rs. 20 Cr during execution of LPG Gandhar extraction plant utilising innovative means.He has Commissioned India's first JV LNG Plant at Dabhol despite absence of the main contractor from site.He has Commissioned scores of CNG Stations across India- 13 nos in Odisha during last 2 years. He has Commissioned India's first LCNG plant in Bhuvneshwar.

RSGL & MD RSGL have been recently awarded for following 'Best Practices in HR' within the organisation.

Awarded as the 'International Icon Award' by Institute of Economic Studies.

Awarded as the 'Outstanding Innovative Business Leader Award' by Asia's Innovation Excellence Awards.

Level - C certified Project Management Specialist / Assessor. He is on the elite board of interview committee qualifying project management candidates across India. The course is conducted regularly in Govt & Private sectors on regular basis by PMA, Switzerland.

Guest lecturer on Project Management to various reputed Management Institutes in India and is also being regularly invited in various International seminars & conferences to deliver Keynote Address.



S.K.G. Rahate

Additional Secretary

Ministry of Power



Shri S. K. G. Rahate is an IAS officer (JH:1990) posted as Additional Secretary, Ministry of Power, Government of India and is looking after the Transmission sector in the Ministry besides other works. Shri Rahate is an engineering graduate, BE (Instrumentation & Control) from College of Engineering, Pune and has a varied experience in various capacities spanning 29 years in the State and Central Government in different sectors including infrastructure and regulatory. He was appointed as a Director on our Board in September, 2019.



Sanjay Bajpai

Scientist G, Department of Science and Technology, GoI



Sanjay Bajpai is a graduate in mechanical engineering from Malaviya National Institute of Technology (MNIT), Jaipur and MBA from University of Rajasthan. He has done his doctoral thesis on 'Alternative Fuels for Internal Combustion Engines' from Indian Institute of Technology- Delhi. Dr. Bajpai is leading research initiatives on Water and Clean Energy Research of DST. Equipped with his domain knowledge in Mechanical Engineering & Management and doctoral degree in Energy Studies, coupled with exposure gained through management of diverse research programmes for over two decades, he has specialised in the area of management of R&D and Technology Development, Demonstration and Commercialisation Programmes. Besides fulfilling the promotional role expected of the above programmes, he has contributed to the focused R&D initiatives of DST in the area of safe drinking water, alternative fuels and solar energy in recent years.



Sabyasachi Pattanaik

Director

Regulatory Affair& Market Development, Oracle Utilities



A Power and Renewable Energy professional with 20+ of years all round experience in the field of Power, Renewable Energy, Sustainability Development and Infrastructure Sector. Had a insight of South and South East Asia region for identifying emerging business and market trends, launching new ventures, creating market presence and capturing market share and achieving growth.

Now working on the unique concept of Behaviour change that will lead to Energy Efficiency, Energy awareness and to make more Energy liturerts.



Sajid Mubashir

Scientist G,

Department of Science & Technology, GoI



Mr. Sajid Mubashir is Scientist G in Department of Science & Technology. He is member-secretary for the (new) DHI-DST Technology Platform for Electric Mobility (TPEM), which will implement demand-driven R&D / Roadmap based program to develop technologies in: Battery & Charging Infrastructure; Vehicle Systems Integration; Electrical Components; Materials & Manufacturing. Most of the R&D Projects will be in Public-Private-Partnership mode, as Consortia Projects. The Mission will also establish half dozen major Centres of Excellence in Electric Mobility research. Earlier assignments were: Member R&D at the National Automotive Board (NAB), Department of Heavy Industry. (last 2 years) Collaborative Automotive R&D (CAR) Program (2004-2010), and Home Grown Technology Program (HGT) – 1997-2005.



Sanand Sule

Co -founder and CTO,

Climate Connect Technologies



Mr. Sanand Sule is the Co-founder and CTO of Climate Connect Technologies. He guides the team with all aspects of technology expertise including machine learning (ML) algorithms, software architecture & development, customer engagement and business strategy.

After completing his M.Tech in Electrical Engineering from Indian Institute of Technology Bombay in 2006, Sanand worked at Symantec for 03 years in software security product development, and then at Goldman Sachs for 2 years building comprehensive trading systems.

He also holds a leadership experience by venturing out into the start-up world focusing on building value-based software and mobile applications in the energy markets in India and overseas. He envisioned the pivot in the EnerTech start up, towards developing AI based softwares for renewable IPPs and power utilities across India. As a part-time interest and giving back to the future shapers, he has been a visiting faculty member at the University of Pune, teaching about state-of-the-art algorithms and mentoring student projects for postgraduate courses.



Sandeep Bangia

Head - EV and Home Automation

Tata Power Company Ltd



Mr. Sandeep Bangia is currently heading the Electric Vehicle and Home Automation Division at Tata Power. He is an electrical engineer with over 24 years of experience and an MBA from Narsee Monjee. He has worked in consumer durables and telecom for Carrier Aircon, Tata Teleservices, Reliance Communications and Idea Cellular in the past. He combines his understanding of emerging technologies & digital platforms, experience in telecom& mobility space and his passion towards clean mobility to drive innovative solutions in the EV charging Ecosystem.



Sandip Sinha

Vice President Microgrid and Head Renewables,

ABB



Sandip Sinha in his current role focuses on the end user sector of renewables, to build knowledge of customers and their applications, enhance customer engagement and to promote ABB's Power Grid Divsion portfolio offering.

Sandip holds a Bachelor's degree in Electrical Engineering from Bangalore University and an MBA from IIT Delhi. He has close to 24 years of extensive industry experience, which includes 20 years in ABB where he has held various management positions in the areas such as manufacturing, testing, sales and marketing, project management and services primarily in the energy automation and communication domain.



Sandep Trehan

Founder and President

Think Gas



Leadership experience in Petroleum Exploration, Natural Gas Distribution & Marketing, Business and Strategic Alliances , Supply Chain management, Operations and Environmental Health & Safety. Ability to create unique solutions and drive technology in existing & new markets. Building organization to meet challenges of technology & resources in diverse cultures .Extensive experience in delivering results in growth, revenue and profitability & operational performance. Expertise in developing long-term Strategic Relationships with OEM's and Customers



Sanjay Banga

President

Tata Power



A power sector veteran with Twentyseven years of experience in power Generation and Distribution. Mr. Sanjay Kumar Banga has been with Tata Power Delhi Distribution Limited [TPDDL] since July 2003.He brings with him extensive learning in Generation and Distribution operations, Selection and deployment of automation technologies for strengthening of electricity utilities to enable them to meet reliability and AT & C loss reduction target under regulatory controls. This learning, garnered through association with leading power electricity utilities in India equips him well to tackle the enormous challenges of electricity business at Delhi. Prior to joining TPDDL, Mr. Banga was with Reliance Energy (earlier known as BSES Ltd) from 1996 to July 2003, he was associated with almost the entire spectrum of Generation activity which includes Operation, Maintenance and project engineering at increasing levels of responsibility. He started his career with NTPC after graduation as engineering trainee and was in Operation & commissioning of super thermal power project from 1989 to 1995.

His deep knowledge of technology & operational issues of Power sector makes him a regular speaker in seminars/workshops/panel discussions in India and abroad.

Mr. Banga is an alumnus of the National Institute of Technology, Kurukshetra. He has done Management in Business administration from Faculty of Management studies (FMS), Delhi. He is Member of Bureau of Indian standard (BIS) LITD10 core committee for defining standards for power system control and communication and he is Member of India Smart grid Task force.



Sanjay Dube

President & CEO

International Institute for Energy Conservation (IIEC)



Mr. Sanjay Dube is the President and CEO of IIEC with over 33 years of experience working in clean energy, climate change and sustainability sectors. Prior to taking over as President & CEO, Mr. Dube was leading IIEC's operations in India and South Asia. His dynamic portfolio consists of working with donors and international agencies like World Bank, ADB, UNDP, UNIDO, UNEP, GIZ, CCAC, Swiss Development & Cooperation (SDC), USAID and DFID. Prior to joining IIEC, the key engagements in the past include working as Chief of Party for USAID's PACE-D TA Program, Vice President for Emergent Ventures India Pvt. Ltd., Senior Program Manager with ICF International and Senior Project Manager with IIEC (2001-2006). Mr. Dube has strong experience in planning, management and implementation of large national and regional programs.

Mr. Dube has received his M. Tech. in Soil & Water Conservation Engineering from GB Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, India in 1988. Mr. Dube has also completed a Certificate course on 'Energy Planning and Environment' from University of Oslo, Norway in 1992.



Santhosh Muzumdar

Head of Business Development and Government Affairs

Johnson Controls (JCI), India



Mr. Santhosh Muzumdar is the Head of Business Development and Government Affairs for Johnson Controls (JCI) in India. He currently leads JCI's efforts in making Indian cities implement solutions to address issues related to energy efficiency, safety, security and surface transportation. Mr. Muzumdar represents APAC region on JCI's Global Product Regulatory Council. For two decades, he has been actively involved with various policy formation committees, industry associations and government authorities to bring out effective guidelines in Fire, Security, HVAC and Urban Traffic sectors. He has also been on the governing council of Fire and Security Association of India as Vice-Chairman for Codes and Standards committee. Before joining JCI, he worked at Underwriters Laboratories India (UL) for 11 years in various roles of increasing responsibility. His last role at UL was that of leading Asia operations for Building and Life Safety Technologies. He has worked extensively with manufacturers and testing laboratories across US, UK, Middle East and Asia Pacific thereby contributing towards the growth of certifications industry. He is a recipient of UL's Mark of Excellence Award.



Satish Kumar Singh

Grid Interconnection Pilot Coordinator,

USAID India Greening the Grid Program



Satish is a Director with Power & Utilities Consulting in Deloitte India. He has over 14 years of consulting experience in electricity sector.He focuses on large scale RE integration, Battery Storage and EV deployment in Distribution and Transmission network, BESS application design and testing, transmission and distribution network studies and planning.



Satpal Garg

Member, Petroleum and Natural Gas Regulatory Board



Shri Satpal Garg joined as Member, PNGRB on 27th July, 2017 after having over 36 years professional experience in domestic and international E&P Industry. He joined as a Finance & Accounts Officer in Oil and Natural Gas Corporation Limited (ONGC) – the premier flagship Oil & Gas Company of India in 1982 after working in an Accounting firm for over two years. His last assignment was as Director Finance, ONGC Videsh Limited from September, 2008 to August, 2016.As Director (Finance) of ONGC Videsh, Mr. Garg has made significant contributions in streamlining and strengthening internal controls, accounting, budgetary control, towards acquisition & business development activities of the company and raising finance in the domestic & International market. Earlier in ONGC, he was associated in the acquisition process of an Indian Refinery (MRPL) by ONGC, its debt restructuring & revival and disinvestment process of equity in ONGC – the largest disinvestment so far done by the Government of India at that time. He also worked as Company Secretary in ONGC for about one year before moving as Director (Finance) of ONGC Videsh Limited in 2008.Shri Garg is a Commerce Graduate from University of Delhi and a Fellow Chartered Accountant from the Institute of Chartered Accountants of India, Fellow Company Secretary from the Institute of Company Secretaries of India and Associate Member of the Institute of Cost Accountants of India.



Saurabh Kumar

Managing Director

EESL



He is an Electrical Engineer from Indian Institute of Technology (IIT) Kanpur, and has a Master's degree in Public Policy from National Graduate Institute of Policy Studies, Tokyo, Japan.

An environmentalist, he has served the UN on deputation handling environmental issues in the Asia pacific region. He has been with the Union Ministry of Power for close to 15 years, and has been leading EESL in successfully implementing energy efficiency projects such as UJALA, SNLP, MEEP, and AgDSM.Indian Institute of Technology, Kanpur Bachelor's of technology,Electrical and Electronics Engineering, 1985 – 1989



Sunil Wadhwa

Advisor, IPPAI



Mr Sunil Wadhwa was the Managing Director of GE T&D India Limited. Before this, he was the chief executive officer of IL&FS Energy Development Company Limited, spearheading the IL&FS Group's initiatives in the power sector. Prior to this, Mr Wadhwa served the Tata Group for over 25 years in three sectors, namely Oil and Gas, Chemicals and Fertilizers, and Power. In his last assignment, he was the Managing Director of Tata Power Delhi Distribution Limited (formerly NDPL) where he worked for 10 years. Mr Wadhwa joined Tata Power Delhi Distribution Limited (TPDDL) in 2002, when the company took over the erstwhile Delhi Vidyut Board's (DVB) power distribution business in a PPP with the Government of Delhi.

He was adjudged the "Most Inspirational CEO of the year 2008" in the power sector by Asian Power, Singapore. During, his 10 years tenure in TPDDL, the Company won many awards and recognition's such as the Edison (US) Award for innovation, Tata Jury award for Affirmative Action and Asian Utility of the year award for 4 years from Asian Power, Singapore.



Sebastian Marx

Director – Public Affairs

TEXEL Energy Storage



Sebastian has over 20 years' experience as lobbyist and strategic project developer in Brussels, with a proven track record of successful advocacy activities, project development and strategic communication campaigns in Brussels and throughout Europe. Sebastian has extensive experience in areas like Chemicals, Transport, Energy, Environment and Smart Cities.

As Director for Public Affairs for the European Cosmetics Industry Association, Sebastian was responsible for all advocacy and communications activities of the industry towards the European decision-makers.

In 2008 Sebastian set up a Brussels Office for the City of Gothenburg and worked 10 years as head of the Brussel office and also as Director for International Relations in the City of Gothenburg. He was a driving force to help Gothenburg adopt a Smart Cities agenda across city departments and entities and was heavily involved in the development of Smart Cities projects under FP7 (Celsius, Step-Up, EU-Gugle) and Horizon 2020 (Iris). Sebastian was also involved in Celsius throughout the project as chairman of steering group. The project was awarded the EU Sustainable Energy Award 2017. Sebastian has also been working as expert evaluator for the European Commission on Smart Cities projects.

Since 2019 Sebastian is Director for Public Affairs for TEXEL Energy Storage.

Sebastian holds a degree in Political Science and Sociology from the University of Freiburg (Germany) and speaks fluent Swedish, German, English and French.



Shalabh Srivastava

Director

Energy, Environment & Cities, RTI International



Shalabh Srivastava brings two decades of management consulting experience to his current role wherein he leads RTI International India's verticals in energy, environment and cities. He focuses on penetrating new markets in the Indian subcontinent in the sectors of power, renewables, clean hydrocarbon fuels, air quality, and smart cities. Before joining RTI, Mr. Srivastava led the management consulting practice in the power and utilities vertical for Accenture in India. He led multiple assignments in power distribution reforms, loss reduction, distribution franchising, off-grid distributed renewable energy, organization design and restructuring, business process design and re-engineering, cost rationalization, strategy for business growth and diversification, and employee performance management. Shalabh obtained his B.Tech. (Hons.) from IIT Kharagpur and MBA from IIM Lucknow. Shalabh has a long experience of advising clients in Indian power sector, including electricity distribution, loss reduction, smart grids, renewables, rural electrification, etc. He has been consulting Utilities clients across private and Govt. sector across the areas of Business Process Re-engineering, Operational Turnaround, Organisation Restructuring, Strategy Formulation and Implementation Support.

He is the co-author of the 2016-Update to Smart Grid Roadmap for India, published by the India Smart Grid Forum.



Shishir Shekhar

Worldwide Industry Manager, Utilities and Energy | Global Business Strategy

MathWorks



With over a decade of engineering and management experience in the Power & Energy industry, Shishir Shekhar currently leads the worldwide Utilities & Energy business at MathWorks Inc. Shishir works closely with leading energy companies worldwide and advises them on technology (Machine Learning, AI, Simulation Technologies) adoption for improving their engineering & design workflows in a variety of applications areas; including Asset Management, Grid Analytics, Reliability, Planning, Operations, Energy Trading, and Risk Management

Before joining MathWorks Inc, Shishir was a Senior Project Engineer/Manager at National Grid USA, where he led large, multimillion-dollar, Infrastructure projects such as Integration of Wind, Solar and Energy Storage technologies on Electric T&D systems, Substation Engineering and Design, Planning and Commissioning of High Voltage Overhead and Underground Transmission Networks; and led key business initiatives in the areas of Grid Modernization and Electric Vehicles charging infrastructure. Shishir has also led engineering projects at other large corporations such as Cognizant Technology Solutions and Essar Steel Ltd.

Shishir is a Senior Member of IEEE and member of CIGRE.

Shishir holds a Master's Degree in Business Management and Economics from Harvard University, USA and a Master's Degree in Electrical Power Engineering from Northeastern University, USA. Shishir was a visiting Research Associate at Massachusetts Institute of Technology (MIT) USA, where his research focus was Economic Modeling of Wind Power Generation and studying Power Quality issues due to integration of large-scale Wind Farms. Shishir received his Bachelor's in Engineering degree from SRM University, India and was awarded Notable Alumni of the university in 2018.



Shivani Kumar

GM- Customer Care

BSES Rajdhani Power Ltd (BRPL)



With more than 18 years of experience in Service Operations, Relationship Management & Credit Underwriting, Shivani has been associated with varied sectors like Hospitality, Finance, Infrastructure and Energy. She is a Masters in Tourism Administration with a Bachelor in Commerce.

She is with BSES Rajdhani Power Ltd (BRPL) for the last 7 years, where she is currently responsible to enhance 'Service Experience' of customers through 'Ease of Communication & Awareness', continuous engagement and enabling them with various value added services. Her past experience also includes loss reduction activities in high loss areas through various on-site CSR programs.

She is a BRPL participant in USAID-funded Engendering Utilities program which focuses to increase employment opportunities for women in Utilities, improve gender equality & building the capacity of utility leaders to implement gender equality interventions in the workplace.



Shweta Kulkarni

Senior Research Associate

Prayas (Energy Group



Shweta is a senior research associate with Prayas (Energy Group). She has been working in the energy policy and regulatory space with a focus on energy access and understanding residential energy demand. She has also been actively engaged with the remote monitoring initiatives of Prayas. Her interest areas also include climate change mitigation, urban development and energy use.



Sourav Daspatnaik

Managing Director

Swach Environment Pvt Ltd

Director, PPP projects including Delhi Jal Board and Haldia Development Authority



An engineering and management professional with 32 years of cross-functional experience, Sourav Daspatnaik is currently Chief Executive Officer, Swach Environment Private Limited, a SREI Group initiative. He also serves as the Director, Nangloi Water Services, established under PPP for supplying 24x7 water as a concessionaire of Delhi Jal Board, Government of NCT Delhi, Director, Haldia Water Services, established to provide 24x7 water services as utility under Haldia Development Authority, GoWB. He also serves as an independent director in several Indian companies and mentors social enterprises in the area of innovative and clean technologies for water supply and sanitation under the Swachh Bharat Mission of the Ministry of Urban Development, Government of India. Currently he is the member Advisory Board of Innovation and Business Accelerator Center (IBAC) set up by FICCI and West Bengal Industrial Development Corporation (WBIDC), GoWB.

During his professional career spanning over 32 years, he has worked with leading organisations such as Tata Motors, Jamshedpur, Tata Steel Ltd, Mercer HR Consulting, and the Apeejay Surrendra Group. Daspatnaik. He is the one of the founding members of National Water Alliance of India supported by Industry bodies and part of the India-Israel Innovation Bridge for commercially developing technologies thru start-ups.

In the recent past, Daspatnaik has served as Chairman, Skill Development Task force and Co-Chair Infrastructure Committee of Bengal Chamber of Commerce and Industry and national board member for the National HRD Network, an apex body for human resources professionals. He was a founder director of the Indian Iron & Steel Sector Skill Council, under the NSDC. He has played a vital role in the launch of the India-Myanmar Solar Energy Forum and India Myanmar Trade & Commerce including Border Trade with a view to strengthen the bilateral trade ties between the two governments and people.

Daspatnaik has a bachelor's degree in mechanical engineering from the Birla Institute of Technology, Mesra, Ranchi and holds a master's degree in operations management from the Stevens Institute of Technology, New Jersey, USA.



Srikanth Chandrasekaran

Sr. Director

Standards and Technology, IEEE



Sri has been associated with the IEEE-SA and the IEEE India office for the past 4+ years with focus on standards engagements in India and executing the programs on the Emerging Technology programs within the IEEE-SA. In this strategic role, Sri drives standards related initiatives & programs globally across technology sectors which include amongst others IoT, Smart Cities, Sensors, eHealth and VLSI domains, and also to engage Indian engineering community to global IEEE standards development efforts.

Prior to joining IEEE, Sri was associated with Freescale Semiconductor Inc. (formerly Motorola Inc.) for 18 years, managing a global R&D team focused on Electronic Design Automation.

Sri holds a Bachelor of Science degree in Physics from Madras University, India and a Post Graduation degree in Electrical Communication from Indian Institute of Science, Bangalore, India.



SS Chauhan

Chairperson

Delhi Electricity Regulatory Commission



Hon'ble Justice S.S.Chauhan, joined as Chairperson, Delhi Electricity Regulatory Commission, New Delhi on the forenoon of 05.07.2018.Born on 05.07.1956 in Unnao District of UP, he studied Law at Lucknow University and thereafter started practice as an Advocate in the High Court of Allahabad and its Bench at Lucknow from 14.07.1979. The matters he dealt with, inter alia, were Service, Criminal, Constitutional, Consolidation, Excise and Company matters.During his distinguished career as a Legal Counsel, he worked as Special Counsel for State Election Commission and Chandra Shekhar Azad University, Kanpur; and As an Additional Advocate General of UP from 23.9.2003 and argued many important cases.

In 2005 he was elevated as Hon'ble Judge, High Court of Allahabad, Lucknow Bench – an acknowledgement of his commitment, professional excellence and legal acumen. As Hon'ble Judge, High Court he pronounced judgements on many important issues, which were as varied as: Service, Consolidation, Revenue, Criminal, Recovery, Excise and Company matters.



Stefan Engelhardt

Vice President, Industry Business Unit Utilities

SAP SE



Stefan joined SAP in 1997 where he supported the specification and launch of SAP's first industry solution for Utilities as Global Product Management Specialist. Since then, Stefan held various management positions within SAP's Industry Business Unit Utilities and became Vice President Utilities in 2007. In that role, he initiated SAP's engagement as Smart Grid Solution provider and co-founded the AMI@SAP Lighthouse Council with key innovators from various Utilities across the globe. Today, Stefan focuses in particular on the definition and execution of SAP's bi-modal product innovation strategy for the global Utilities market.

Stefan studied Geo-Sciences at the University of Heidelberg and holds diplomas in Geology, Geography and Ethnology. He holds as well a PhD degree for Natural Sciences from the University of Heidelberg.

Before joining SAP, Stefan worked from 1991-1994 as lecturer for Geo Sciences at the University of Heidelberg and from 1995 -1997 at Technische Werke Ludwigshafen AG as Head of Energy Consulting and Customer Service.



Subir Sen

Executive Director

POWERGRID



Subir Sen obtained his B.E and M.E degree both in Electrical Engineering from Jadavpur University, Kolkata and Indian Institute of Science, Bangalore. Received Ph.D from IIT Delhi. Currently, he is working as Chief Design Engineer, POWERGRID. His areas of interests are in the field of Power System Planning, Design, operation and optimization including power distribution network. He is associated with the development of National Grid in India and adoption of emerging technologies in Indian Transmission sector. He is recipient CBI & P Young Engineer Award, India in recognition of his significant contributions and achievements in the field of power system.



Sudheer Perla

India Country Manager

Tabreed



Sudheer is the India Country Manager for Tabreed, a UAE based listed district cooling utility that currently delivers over 1.2 million refrigeration tons of cooling to 300 million+ square feet of real estate developments across the GCC through an innovative cooling as a service model. Having commenced his stint at Tabreed leading its corporate finance function; he played a key role in completion of a $1.7 billion balance sheet recapitalization in 2011. He has since worked in a variety of roles leading regional asset management and business development functions during which period he successfully established the business and sustainability case with real estate developers for district cooling and oversaw development of several new greenfield assets or acquisition of captive cooling assets that led to investments in excess of $400 million by Tabreed. An Oxford University management graduate and a chartered accountant by profession, his prior roles include with PwC and Infosys in India.



Sumaya Mahomed

Director

Power for All (Uganda)



Sumaya is the Utilities 2.0 Pilot Manager and is responsible for the strategic and operational design, and day-today management of this integrated energy project. She has expansive programme management experience in Renewable Energy and Energy Efficiency Projects. She has developed and managed renewable and energy efficiency projects for the municipality of Cape Town and has worked on various private consultancy-based renewable energy and energy efficiency projects. The City of Cape Town won numerous awards based on the energy efficiency and renewable energy programme, Sumaya managed during her tenor namely; ESKOM's 2012 eta Award for the residential category for the City of Cape Town's Energy Efficiency program, Honorary award from World Green Building Council for Energy Efficiency within City operations program, March 2014. Sumaya received recognition award under the Mayor's award program at the City of Cape Town as the best capital project manager in renewable energy and energy efficiency projects and was the lead on C40's Municipal Energy Efficiency Network during 2016 and 2017. Sumaya played a key role in the establishment of the Uganda, Association of Energy Engineers Chapter being established and is on the Board of Directors for the Institute of Energy Professionals Africa. Sumaya Mahomed has a background in Chemical Engineering, Post Graduate Diploma in Sustainable Engineering and a Masters in Sustainable Development and is currently completing her Master in Business Administration at the Edinburgh Business School. Sumaya's publications include: "Building Energy Efficiency in City of Cape Town operations: the role of the energy intermediary in book with title: "Mainstreaming Climate Change in Urban Development Lessons from Cape Town" and an "Assessment of City of Cape Town's energy efficiency within its internal operations".



Sumit Gupta

Founder and CEO

Asset Plus Consulting



Sumit has been a solution evangelist for Smart Grid, Renewable Energy and Power Management in past. He brings in over 20 years of industry experience spanning over Domain of Energy & Utility, currently provide direction to assetplus consulting as Founder and CEO, a startup, focusing on strategic decision making support to Utilities .

Within Power , Renewable Sector, Oil & Gas, Water, Infra Sumit has created offering addressing the core areas like Energy Forensic analysis controlling power revenue assurance and theft, Load forecasting & Power procurement solution, Demand Response for distribution utilities and Energy Sales on ABT regime , landing cost analysis for bilateral contracts , UI analysis , maintenance mgmt, operation mgmt on fuel cost mgmt, auxiliary mgmt , controlling coal GCV and SHR for the generation utilities and Energy Analysis for Renewables.

Sumit has been associated with AT Kearney , PricewaterhouseCoopers in the past.

- BE in Material Science and Metallurgy(NIT, Rourkela)
- Post Graduation in Supply Chain Management (IMT, Ghaziabad) and
- Advanced Management Program in Strategy & Leadership from Harvard University



Sushil Kumar

Dy. General Manager
GAIL (India) Limited



Sh. Sushil Kumar, Dy. General Manager, GAIL (India) Limited is B. Tech and M.B.A. He is having more than 25 years of experience in the field of Natural Gas Industry which includes operation and maintenance of Natural Pipelines, City Gas Distribution. He is well known for his expertise in CGD Automation, Gas Metering and Control of un- accounted gas loss in entire CGD sector. He is on the Board of ISGF as General Secretary and Vice President of International Society of Automation (ISA), Delhi Chapter.



Sutirtha Bhattacharya

Chairperson,

West Bengal Electricity Regulatory Commission (WBERC).



Sutirtha Bhattacharya, a 1985-batch IAS officer and a former Coal India Ltd chief, on Wednesday took over as chairman of the West Bengal Electricity Regulatory Commission (WBERC).Sutirtha Bhattacharya was the Chairman & MD of Coal India Limited. Before taking charge of Coal India he was the CMD of state-owned Singareni Collieries .Bhattacharya has advocated coal pollution mitigation technology to reduce harmful environmental impacts,[2] while still seeking to double coal production.[3]He is a 1985 batch IAS officer and graduated from Presidency College, Kolkata, as a graduating student of the University of Calcutta.



TARUN KATIYAR

Chief of Business Development – T&D Sector

TATA Power



Mr. Katiyar has more than two decades of experience in the entire value chain of the power sector including development of Greenfield & Brownfield Power Projects, Transmission Projects, Project Management, Detailed Engineering, Distribution reform, Renewable Integration, Smart Metering, and Energy Efficiency, E-mobility and Integrated Utility Services etc. He has worked with leading utilities in India, his learning equips him well to tackle the challenges of creating business synergies through different ventures. He has hands-on experience in diverse areas ranging from policy, regulation and reforms to project-specific support including sectorial and institution capacity building. He is a sectorial expert on strategic, commercial, and financial aspects relating to energy sector projects.

In his current role as Chief of Business Development – T&D Sector for TATA Power, he is leading cross functional team in both domestic and international front for driving growth for the company in T&D sector. He is widely travelled and his effort has enabled the company to increase its footprints in more than 10 different countries.

By education, Mr. Katiyar is a MBA cum Engineering Graduate. He has also attended various Leadership and Management development training at leading management institute and TATA Group level program. He is a well-known speaker in various industry forum at different National and international events.



TC Gupta

Additional Chief Secretary, Transport, Power, New and Renewable Energy, Haryana



Shri Trilok Chand Gupta IAS (Haryana 1987) presently Additional Chief Secretary to Govt., Haryana, Power Department, Additional Chief Secretary to Govt., Haryana, Employment Department, Works related to implementation Of C. M. announcements, Additional Chief Secretary to Govt., Haryana, Administrative Reforms Department, Member Secretary, Haryana Governance Reforms Authority and Additional Chief Secretary to Govt., Haryana, New and Renewable Energy Department, has been given additional charge as Additional Chief Secretary to Government, Haryana, Monitoring and Coordination Department.



Teruhisa Oi (Teru)

Principal Energy Specialist, Energy Division, South Asia Department

Asian Development Bank



Teru, who is a national of Japan, is a Principal Energy Specialist at Energy Division, South Asia Department of Asian Development Bank. He is responsible for leading projects in India and Bangladesh primarily in power distribution subsector. Prior to moving to South Asia Department, he has long sector experience in China and Mongolia such as district heating and cooling, energy efficiency, energy sector planning, and renewable energy.



Toru (Tohru) Sano

Director

New Energy and Industrial Technology Development Organization (NEDO)



He is a Director of the New Energy and Industrial Technology Development Organization (NEDO). He promotes overseas implementation projects related to smart community.

He received his MS in agriculture from Kyoto University. He joined NEC Corporation in 1989. He engaged in R&D for biotechnology-based devices and image analysis systems in NEC till 2013.

He was also a researcher of the NEC Laboratories America, Inc., NJ, USA and a visiting researcher of the Rockefeller University, NY from 1998 to 1999.

He joined NEDO in 2013. He temporarily was a member of the Japan Agency for Medical Research and Development (AMED) from 2015 to 2018, and he promoted R&D projects related to diseases in collaboration with foreign countries.



Tulika Pandey

Director, NeGD DEITY, Ministry of Electronics and Information Technology



Ms. Tulika Pandey, Director, National eGovernance Division, Ministry of Electronics & Information Technology, Government of India, is an Electronics and Communications Engineer, working with the Government of India since 1992. She has been involved in implementation strategy and action plan formulations for wider reach of ICT facilitated benefits; Integration of appropriate technology interfaces between human and cyber world; Steering of Research and Development projects for development of contextual ICT technology, tool, applications and content. She has traversed through the path of Microelectronics development, E-Learning, Technology Development for Indian Languages, Digital Libraries, E-Infrastructure, Internet Governance and Convergence, Communications & Broadband Technologies. She has been harnessing the technologies of Internet of Things (IoT), IPv6 and convergence of Cognitive Radio Frequency with Internet for enhancing ubiquitous technology interventions in human life with minimal trespassing of security and privacy in her 26 year stint with the Government of India. Ms Pandey's current pursuit is addressing the Security postures of the Digital Payment Ecosystem in India and on global discussions on issues of Cyber4Digital Inclusion, Cyber4Growth, Cyber Security and Cyber Diplomacy.



Ugo Astuto

EU Ambassador to India



He entered the Italian Diplomatic Service in 1991. His career in the Italian Foreign Service spans experience in the Embassies in Nairobi and London (including as alternate Director for Italy in the EBRD-European Bank for Reconstruction and Development), in the Permanent Representation in Brussels and in the Embassy in Delhi (2008-2012), where he served as Deputy Head of Mission. From February 2013 until July 2016 he was seconded to the European External Action Service (EEAS) in Brussels, first as Director for South and South East Asia and then as Deputy Managing Director/Director for Asia and the Pacific. From July 2016 to September 2019 he was the Principal Director for Asia in the Ministry of Foreign Affairs in Rome.



Vedantha Kumar

Head - Transport and Industry
International Climate Strategy,
UK Government



Strategically-minded, collaborative and highly driven with a focus on climate change policy, including:- Multinational climate-related negotiations - Developed Government negotiating positions in relation to both the design of the EU Emissions Tradings System and Brexit's impact on carbon pricing policy.- Domestic emissions reductions - Lead author on a major Government report on the long-term decarbonisation of UK heating. Currently leading work to develop funding models for deploying low carbon heating in the 2020s.

Awarded an array of academic prizes relating to international climate and environmental law, including publishing a paper in the peer-reviewed Carbon and Climate Law Review.Currently responsible for building international partnerships to reduce emissions from transport and industry, focussing towards COP26 in Glasgow. Led the Department for Business, Energy and Industrial Strategy's external engagement on low carbon heating and previously led engagement on post-Brexit carbon pricing policy.



UN Behera

Chairperson

OERC



Shri U. N. Behera was an officer of the Indian Administrative Service of 1983 batch of Odisha cadre. An Engineering Graduate from IIT, Kharagpur, he had 34 years of valuable experience in the IAS.He has spent early seven years in the district administration supervising various development programmes. Subsequently, as Managing Directors of Odisha State Co-operative Milk Producers'Federation (OMFED) and Odisha State Co-operative Oilseed Growers' Federation (Oil Odisha) he had been actively involved in organising farmer co-operatives and promotion of production, processing and marketing of milk, milk products and edible oil. Under his stewardship Odisha State Oilseed Growers'Federation won the best productivity award from the National Productivity Council consecutively for two years, 1991-92 and 1992-93.

He has worked in the industries sector as Managing Directors of IDCO and IPICOL primarily in promotion of industries, financing of small and medium industries and creation of industrial infrastructure. During his tenure as Managing Director the Odisha Industrial Infrastructure Development Corporation (IDCO) obtained ISO-9001 certification (1996) for quality standards and ISO-14001 certification (1998) for environmental standards. He also worked as Chief Executives of Odisha Renewable Energy Development Agency (OREDA) and Odisha Computer Application Centre (OCAC). Mr. Behera played a key role in formation of Odisha State Disaster Management Authority (OSDMA), the first of its kind in the country immediately after the Odisha super cyclone of 1999 and was its first Managing Director.

He worked in Government of India for seven years between 2002 and 2009 in the Ministries of Steel, Science & Technology (Biotechnology) and Urban Development (DDA). During his tenure as Joint Secretary in the Department of Biotechnology, he also held the charge of Managing Director of Bharat Immunologicals & Biologicals Corporation (BIBCOL), a Central PSU. In

the State Government, he has worked as Secretary in the departments of Home, Finance, Planning & Co-ordination, General Administration, Forest & Environment, Steel & Mines, Excise and Parliamentary Affairs. He was the State Development Commissioner-cum- Additional Chief Secretary for a year. He spent a year as Additional Chief Secretary to Chief Minister, Odisha before joining the Odisha Electricity Regulatory Commission as its Chairperson on the 16th of January, 2017.



Valérie-Anne Lencznar

Managing Director

Think Smartgrids



Valérie Anne Lencznar is the Managing Director for the professional association Think Smartgrids, created in April 2015.

Valérie Anne Lencznar is a communication (CELSA) and Executive MBA (HEC) graduate. She has worked and led as a Communication Director in various public structures. She joined the Energy sector 15 years ago. As the Communication Director of the Gravelines nuclear power station, she worked on the expansion of EDF in Poland and Hungary. She went on to work on the Executive Committee in charge of national dispatching at RTE.

From 2009 until 2015, she worked as general secretary on the Franco-Spanish project Inelfe. Inelfe consisted in building underground electricity interconnection between Perpignan and Figueras, a world first, with a total budget of 700 million euros. This project prefigures the setting up of smart grids



Venu Nuguri

Managing Director – ABB Power Grids in India and Region Head – South Asia, Power Grids, ABB



Venu Nuguri is Managing Director, ABB Power Products and Systems India Limited, and the head of Power Grids Business in South Asia region. He is a member of the ABB Power Grids Global Management Team. ABB Power Grids is a global leader in power technologies and aspires to be the partner of choice for enabling a stronger, smarter and greener grid.

A veteran in the energy domain, Venu has over 30 years' experience and has held several leadership roles at ABB, in diverse aspects of the business. Prior to his current role, he was the Head of Power Grids Business in South Asia, Middle East & Africa region. In this role he spearheaded the Power Grids strategy in the region, leveraging synergies to create business value for customers with ABB's pioneering power technology, while ensuring sustainable growth.

In his earlier roles, he has been the President of the Power Systems ABB India and was also a part of the global Power Systems Leadership Team, part of ABB India's country management team, including Country Head for Sales and Marketing. Venu began his career in 1988 with English Electric in Chennai. He brings extensive experience in the power sector across geographies and has led several successful change management initiatives across global operations.

He is an active member of various professional bodies including India Smart Grid Foundation, Cigre, IEEE and IEEMA. He is an authority on the energy landscape and in this capacity has addressed forums such as Asia Clean Energy Summit, IEEE PES GTD, India Smart Grids Week, CEPSI, etc. and published several articles on the future of power, digitalisation of the power grid, and so on.

Venu has graduated in electrical engineering from National Institute of Technology (NIT), Warangal and attended various management courses at Indian Institute of Management Ahmedabad, Indian School of Business, Hyderabad and International Institute of Management Development, Switzerland. In his free time he enjoys travel and sports.



Veronica Garcia

CEO & Founder

Bitlumens



Veronica Garcia was an investment consultant at Credit Suisse and UBS for Latin American Asset Managers. After finishing her graduate studies at ETH Zurich, she joined the IBM Research Lab. She has also worked as a consultant for the World Bank, IADB and Castalia. Her research focuses on renewable technologies and on quantifiying investment needs to reach the country targets for renewable power generation. In 2017, she founded BitLumens which brings solar power and water to rural areas in developing countries using Internet of Things (IoT) and blockchain technology.



Vijayan SR

Hub Digitalization Lead- Grid Automation,

ABB Power Grids in India



Vijayan SR, Asst. Vice President, ABB India Limited, is the Technology Manager & Digitalization Lead including Cyber Security for Grid Automation in Power Grids division.

He is a graduate in Electronics and Communication engineering, with an MBA in Information Technology and Marketing Management and has over 23 years of experience. He has also completed certificate programs on Digital Marketing and Business Analytics.

Vijayan joined ABB in 2000 and over the last 18 years has held various roles in Engineering, Product Management and Technology functions in Network Control SCADA/DMS/EMS, Substation Automation, Smart Grid and Cyber Security solutions. He has extensive experience as a Solution Architect and System Designer. He is active across various international and national industry forums through particpation in seminars and technical papers.

He is also the Vice Chair of the ISGF Working Group (WG)-1 for Grid Modernization and Smart Cities and Convener – Technical Committee of the IEEMA Smart Grid Division.

Prior to joining ABB, Vijayan was working in the process automation industry with Larsen and Toubro for 5 years.



Vimal Mahendru

President

Legrand-India



Vimal Mahendru is the President of Legrand-India. Besides this, Vimal is presently the International Electrotechnical Commission IEC, Standardization Management Board member representing India and Chair of the IEC Systems Committee on Low Voltage Direct Current and Low Voltage Direct Current for Electricity Access (SyC-LVDC). He was additionally IEC Ambassador for Rural Electrification from 2016 to 2019 and has recently been elevated to the position of IEC Ambassador for the UN Sustainable Development Goals.

He is also a member of the governing council of Indian Electrical & Electronics Manufacturers' Association (IEEMA), and its President from 2010 to 2011. He was also Chairman-Elecrama for the 2008 edition. He is also the Chair of the Bureau of Standards, Sectional Committee 39, for standardization of fuses and fuse accessories and a member of the BIS' Electrotechnical Divisional Council (ETDC) tasked with oversight of electrotechnical standardization in India.



Vinay Dixit

National Manager

Itron



Vinay Dixit,is B.E. (Mechanical) and MMM (Masters in Marketing Management) with specialization in Marketing .He hasmore than 15 years rich experience of in the field of Manufacturing & Engineering, professional Education, Supply Chain Management, Business Development, Business Solutions in Gas & Electricity AMI sector in the fields of Instrumentation and Automation Projects.

He is currently working as National Sales Manager in Itron India Pvt. Ltd. (Itron), Itron is an American technology company that offers products and services on energy and water resource management.

Mr. Vinay Dixit, very closely working with both Electricity & Gas utilities for bridging gaps to enable them technologically efficient to enhance productivity, reduce technical & commercial loses, customer satisfaction and helping in reconciliation.



Vinod Tiwari

Global Head of Business Development and Sales

Power Ledger



Based in Perth, Western Australia, Vinod leads Power Ledger's global Business Development and Sales teams. Vinod is leveraging his many years working within the energy sector with Perth Energy, Future Effect and Regen Power to connect with client stakeholders and formulate global partnerships and alliances across power and business domains, as well as across various third party providers in Australia and overseas markets to support the delivery of Power Ledger's blockchain offerings for energy trading, renewable energy certificates trading and renewable asset financing.

Vinod has over 25 years of experience in operations, developing strategic partnerships, new markets and providing leadership in senior sales and business development roles within the renewable energy and other engineering industries. He has a successful track record of building and defending market share, expanding product lines, developing renewable portfolio and developing and executing long term strategies to achieve challenging sales targets and influencing key stakeholders at board and senior management levels. Most recently, Vinod was General Manager Sales at Perth Energy (2007 - 2016) with responsibility for all gas and electricity sales. In this role, Vinod successfully grew the energy sales portfolio from $20 million annual turnover to more than $300 million. Previous roles include managing engineering, technical sales and business development for General Electric Company's joint venture with Wipro in India.

Vinod holds a Bachelor of Engineering in Electrical and Electronics and a Master of Business Administration from the University of Western Australia. He also participated at the Executive Leadership Program at University of California, Berkley, USA.



Vish Ganti

VP and MD,

Autogrid India



Vish serves as Vice President and Managing Director for AutoGrid India and is responsible for growing AutoGrid's business in the region, leveraging the artificial intelligence (AI)- driven AutoGrid Flex™ platform. As a passionate advocate for open standards, Vish has nearly a decade of success working with utilities, ISOs and C&I sites to develop automated demand response (AutoDR), helping them to expand the adoption of OpenADR technology solutions in distributed resources.

As a technology pioneer and a subject matter expert in Distributed Energy Resources/IoT, Vish has a long track record of research, development and deployment across the spectrum of Smart Grid applications, including AutoDR, interoperability, home automation, and smart appliances. Vish has held senior roles at CPower (a subsidiary of Constellation), Johnson Controls and EnerNOC, as well as leading innovative research at Lawrence Berkeley National Laboratory (LBNL).

Vish holds a Bachelor of Science degree in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad, India and a Master of Science degree in Electrical Engineering specialized in Energy Management from San Francisco State University. In December 2018, he completed activation of a MicroGrid at his house in Silicon Valley, with DERs such as Smart-thermostat, Solar PV, Tesla Powerwall, EV with Smart Charging, including a personal weather station.



Vishal Kapoor

Director

Ministry of Power



Mr. Vishal Kapoor holds a Mechanical Engineering Degree from IRIMEE Jamalpur and also has a Master's in Public Administration from Lee Kuan

Yew School of Public Policy. He has previously worked with the Ministry of Railways, India.

He currently is a Director at Ministry of Power, coordinating power sector schemes of IPDS, NEF, smart grids for smart cities and piloting Distribution reforms. He is involved in the UDAY scheme for financial and operational turnaround of DISCOM. He also coordinates with PFC for day to day and perspective planning at the ministerial level.



Winfried Damm

Director

Indo-German Energy Programme - GIZ, Germany



Dr. Winfried Damm, graduated at FU Hagen, Germany, received a MBA from Michigan State University (USA) and a Ph.D. from FU Berlin.

He worked for two years as a consultant, four years for a member of national parliament in the energy sector and joined the municipal utility (Stadtwerke) of Leipzig in 1992. There he headed sales, marketing, PR, strategy, controlling, M&A, international department and was responsible for external relations among others. He had been involved in many national legislative outcomes starting with the first feed-in-law for renewables up to capacity market discussions and pushed Leipzig to one of the leading cities in e-mobility.

Dr. Damm started working with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) in December 2014 and joined the GIZ India office in January 2015 as Director of the Indo-German Energy Programme.

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EU INDIA

Company Profile

The overall objective of the project is to reinforce cooperation between EU and India on climate change and energy with a view to ensure a secure, clean, affordable and reliable energy supply for all and to progress in the implementation of the Paris Agreement. The overall objective is envisaged to be achieved by focusing on Climate Change (CC), Energy Efficiency (EE) and Renewable Energy (RE). The overview of main activities to be carried out are: Exchange of experiences, best practices & views (webinars, Workshops, study tours, field visits, demo projects). Organization of key EU-India events, Research and Innovation, Development & implementation of technical solutions, Financial investment in Renewable energy and Energy Efficiency and Business to Business engagement.

Website: https://ec.europa.eu/energy/en/topics/international-cooperation/key-partner-countries-and-regions/india

IElectrix

Company Profile

IElectrix started in response to the growing need for creating innovative technical solutions and business models that facilitate the implementation of Local Energy Communities (LEC) and the integration of distributed Renewable Energy Sources (RES).

IElectrix contributes to the European ambition by adopting a consumer-centered approach and increasing its involvement, particularly through LEC. This project is also a way to accelerate the integration of RES into the distribution networks and the decarbonisation of the energy system. In this context, Distribution System Operators play an important role by ensuring the integration of RES within the grid and facilitating the energy transition.

The project brings together 15 European partners and one Indian partner in order to experiment, through 5 real-scale demonstrators, the technical and economical relevance of LEC in different regulatory and ecosystem contexts. There will be two demonstration sites in Hungary, one in Austria, one in Germany and one in India.

Website: www.ielectrix-h2020.eu

STORY

Company Profile

STORY is a European project which focuses on the presentation of new small-scale energy storage technologies and their benefits in distribution systems. The project involves 18 partners from 8 different European countries.

With the development of our society the demand for energy is increasing, most notably for electricity. To be able to generate electricity using renewable energy sources and at the same time to be able to use it when needed, we need new solutions to store energy. The challenge of the project is to demonstrate the innovative approaches to use thermal and electrical energy storage systems and evaluate their impact. We want to find an affordable and reliable solutions that lead to an increase in electricity self-sufficiency. The STORY project comprises eight demonstration cases that contain different concepts of local energy storage, both in industrial and residential environments. Demonstration cases are aimed at the integration of large-scale rollout of small scale storage solutions in energy distribution network, with a central question: “What would be the added value of small distributed energy storage solutions in the electricity distribution network?”

In the eight demonstration cases, distributed energy storage technologies and advanced ICT solutions will be used. Data from the field trials will be used to calibrate simulation models through which we aim to analyze the impact of storage technologies in power system with a very high degree of distributed renewable energy sources. For the successful introduction of small distributed storage also various business models will be designed and the necessary amendments proposed to the national support policies and regulatory frameworks.

Website: www.horizon2020-story.eu

RESOLVD

Company Profile

RESOLVD is H2020 research and innovation action coordinated by Universitat de Girona and participated by other six partners: Joanneum Research, Smart Innovation Norway, Universitat Politècnica de Catalunya, Comsensus, Intracom Telecom and Estabanell Energia that aims to contribute to setting the next generation of competitive technologies and services for smart grids.

The objective is to improve the efficiency and the hosting capacity of distribution networks, in a context of highly distributed renewable generation by introducing flexibility and control in the low voltage grid.

An innovative advanced power electronics device, with integrated storage management capabilities, will provide both switching and energy balancing capacities to operate the grid optimally.

The enhanced observability of RESOLVD, provided through cost-effective PMUs and state-of-the-art short-term forecasting algorithms that predict demand and renewable generation, will permit a reduction of uncertainty in grid operation and an increased efficiency.

Website: www.resolvd.eu

E-LAND

Company Profile

The continued decarbonisation of the energy sector through the use of renewable energy sources provides both interesting opportunities for local energy systems and challenges for existing electricity networks. Mainland regions such as isolated villages, small cities, urban districts or rural areas oftentimes have issues with weak or non-existing grid connections. These areas are known as energy islands.

The goal of the European-funded H2020 project E-LAND is to provide a synergistic solution between technological, societal and business challenges that the energy sector faces.

The main concept is the E-LAND toolbox – a modular set of methodologies and ICT tools to optimize and control multi energy islands and isolated communities. The modular toolbox can be customized to meet local requirements and expandable to incorporate new tools as new challenges arise.

Website: www.elandh2020.eu

WiseGRID

Company Profile

WiseGRID integrates, demonstrates and validates advanced ICT services and systems in the energy distribution grid in order to provide secure, sustainable and flexible smart grids and give more power to the European energy consumer.

WiseGRID's main objective is to provide a set of solutions and technologies to increase the smartness, stability and security of an open, consumer-centric European energy grid. The project will combine an enhanced use of storage technologies, a highly increased share of Renewable Energy Sources (RES) and the integration of charging infrastructure to favour the large-scale deployment of electric vehicles. It will place citizens at the center of the transformation of the grid.

Website: www.wisegrid.eu

X-FLEX

Company Profile

The X-FLEX project proposes a set of integrated solutions that will facilitate the optimum combination of decentralised flexibility assets, of both on the generation (DER) and on the demand side (V2G, power-to-heat/cold, batteries, demand response) enabling all parties, including final prosumers, to offer their flexibility in the local and wholesale market creating benefits to all the actors in the smart grid value chain. This flexibility will make it possible to maintain a stable and secure electricity system with a growing role of variable renewable generation, yet resilient to extreme climate events.

Up to now, the projects and research activities in this area have been focused mainly on specific energy sources and actors, considering only a very limited and isolated part of the distribution network, leaving aside all the opportunities existing throughout the flexibility offered by the energy value chain.

In this context, X-FLEX will propose a new concept that will integrate and create synergies among all energy flexibility sources and technologies, promoting cooperation of all the actors of the smart grid and energy market, in an efficient and cost-effective manner. Through this holistic approach, X-FLEX aims to create the optimal combination of decentralised flexibility assets located along the whole energy value chain and new market mechanisms, providing benefits to all the actors of the smart grid and energy market, offering an all-win scenario.

These X-FLEX project solutions will be tested in real conditions in 4 pilot sites in 3 EU Member states (Bulgaria, Slovenia and Greece), with different needs and socioeconomic and technological boundaries, involving multiple flexibility assets (batteries, power to heat/cold, vehicle to grid and other storage solutions) and all complementary actors of the energy network (DSO, TSO, microgrid operator, utilities, flexibility providers, local communities).

Website: https://cordis.europa.eu/project/id/863927

CROSSBOW

Company Profile

CROSSBOW is a TSO driven project with two interrelated and equally important strategic goals: on the one hand, it aims at the successful deployment in the market, within a 24 months horizon after project completion, of a set of technological solutions which enable increasing the shared use of resources to foster transmission networks cross-border management of variable renewable energies and storage units, making possible a higher penetration of clean energies whilst reducing network operational costs and improving economic benefits of RES and storage units.

On the other hand, the project intends to have a significant impact in the commercial operation and innovation activities of the consortium – with a planned ROI for the partners of less than 36 months after full deployment and commercialisation of CROSSBOWproducts and services starts- and the European sector at large, contributing to the creation of more than 70.000 jobs, the access to better quality energy services of 56.831.418 citizens and businesses, the saving of 3 MTons of GHG, and the increase of 10% in the share of RES (15,2 TWh), among other impacts.

Website: www.crossbowproject.eu

MUSE

Company Profile

MUSE Grids project aims to demonstrate, system-wide and in real-life operational conditions, a set of both technological and non-technological solutions adapted to local circumstances targeting local urban energy grids (electricity, heating & cooling, water, gas, e-mobility) to enable maximization of affordable local energy independency thanks to optimized management of the production via end users' centred control strategies, smart grid functionalities, storage and energy system integration with the objective of paving the way for their introduction in the market in the near future.

Website: www.muse-grids.eu

TSO2020

Company Profile

TSO2020 is the largest Action approved in the first so-called Synergy call of proposal launched as part of the EU Connecting Europe Facility (CEF). The EU CEF program is aiming to accelerate investments in the field of trans-European networks in transport, energy and telecommunications. Actions across sectors may enable costs or results to be optimised through the pooling of financial, technical or human resources, thus enhancing the effectiveness of EU funding. CEF Synergy calls for proposal support these synergies, in particular in areas such as smart energy grids, electric mobility, intelligent and sustainable transport systems, joint rights of way of infrastructure coupling.

Website: www.tso2020.eu

QOS

Company Profile

QOS Energy is an innovative independent software vendor specialising in data intelligence cloud solutions for renewable energy companies. QOS Energy operates in 23 countries worldwide, with offices in Europe, North America and India.

Website: www.qosenergy.com

ZIV

Company Profile

ZIV is an exceptional company, with knowledge in four key areas (protection, control, communications and metering), offering complete solutions for the challenges of the current electrical system. With a commitment to innovation, to an open and flexible approach, and to teamwork, ZIV has grown to become a leader in SMART GRID SOLUTIONS for HV, MV and LV power systems.

A technology partner with the knowledge, experience and resources necessary to deliver solutions that provide intelligence, resilience and reliability to electrical systems worldwide.

Website: www.zivautomation.com

3E

Company Profile

3E is an independent global consultancy services and software products company, paving the way for the cost-effective development of a fully renewable energy powered energy system. 3E provides solutions to improve renewable energy system performance (wind and solar PV), optimize energy consumption (building and site developments) and facilitate grid and market interaction. We focus on project guidance, due diligence, feasibility studies, resource analyses, technology assessments and provide software as a service platforms for renewable energy portfolio monitoring and performance optimization (SynaptiQ). Established in 1999, the company is a spin-off of the nanotechnology research center IMEC. Today, strengthened by its partnerships with researchers and industry pioneers, 3E continues to explore innovations and new developments in sustainable energy, to provide the latest practical energy intelligence and solutions to its clients. 3E has worked on projects in more than 40 countries and operates with an international team of more than 100 experts from its headquarters in Brussels and offices in London, Paris, Toulouse, Istanbul, Cape Town and Delhi.

Website: www.3e.eu

European Association for Storage of Energy

Company Profile

The European Association for Storage of Energy (EASE) is the voice of the energy storage community, actively promoting the use of energy storage in Europe and worldwide. EASE actively supports the deployment of energy storage as an indispensable instrument within the framework of the European energy and climate policy to deliver services to, and improve the flexibility of, the European energy system.EASE seeks to build a European platform for sharing and disseminating energy storage-related information. EASE supports the transition towards a sustainable, flexible and stable energy system in Europe.

Website: www.ease-storage.eu

Solar Power Europe

Company Profile

SolarPower Europe, is a member-led association representing organisations active along the whole value chain. Our aim is to shape the regulatory environment and enhance business opportunities for solar power in Europe. SolarPower Europe's Vision is to ensure that solar energy is the leading contributor to the Europe's energy system. SolarPower Europe's Mission is to shape the regulatory environment to promote the growing market opportunity for solar in Europe.

Website: www.solarpowereurope.org

BUSINESS SUPPORT TO THE EU-INDIA POLICY DIALOGUES



Company Profile

The Business Support to the EU-India Policy Dialogues supports the implementation of the new EU strategy on India, which was adopted in December 2018. The project strives to increase business involvement in strategic areas of bilateral cooperation in order to reinforce the already strong partnership between the European Union and India. These key areas are derived from on-going policy dialogues between the EU and India, such as Environment, Energy, Climate, ICT and Urbanisation and hold relevant, real-time opportunities for EU businesses interested in entering the Indian market.

Website: www.euindiabusinesssupport.eu

Host Utilities

TATA POWER-DDL

TATA
TATA POWER

TATA POWER - DDL

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Company Profile

Tata Power Delhi Distribution Limited is a joint venture between Tata Power and the Government of NCT of Delhi with the majority stake being held by Tata Power Company (51%).

Serving a populace of 7 Million and a customer base of 1.64 Million in North & North-West Delhi, the company has a Distribution area of 510 sq. km.

Being a front runner in power distribution reforms, Tata Power-DDL is acknowledged for its consumer friendly practices. Since privatization, the Aggregate Technical & Commercial (AT&C) losses in Tata Power-DDL's operational areas have shown an unprecedented reduction of around 85% from an opening loss level of 53% in July 2002 to 7.92% (as of March 2019).

To ensure reliable power supply and to provide best-in-class service to its consumers, Tata Power DDL has implemented several world-class technologies such as Advance Distribution Management System (ADMS), Integrated Geographical Information System (GIS), Advanced Metering Infrastructure (AMI), Automated Demand Response (ADR), Smart Street Light Management System, Field Force Automation, Upgraded Network, Toll Free Helpline No. 19124, etc.

Tata Power-DDL is the first Indian utility to be a member of Global Intelligent Utility Network Coalition (GIUNC).

With customer satisfaction as the prime goal, the company provides exceptional services to its consumers for their ease and convenience such as 24X7 Integrated Helpline, Mobile Application for both iOS and Android users, bilingual website, Multiple Payment Avenue, End to End Online Services for New Connection, etc.

The company has been ranked 4th amongst the Great Places to Work for in India and has won several accolades like Safety Innovation Award 2019, CII-National Energy Management Award 2019, SKOCH Award 2019, Asian Power Awards 2019, CMO Asia Award, BML Munjal Awards Learning & Development 2019, CII- Innovative Financing & ESCO and recognized as Outstanding Green Energy Campaigner Organization by GBCI.

TATA Power-DDL has been associated with India Smart Grid Forum for several years and is the Host Utility for India Smart Utility Week 2020.

Tata Power

Company Profile

Tata Power is India's largest, most reliable and efficient, integrated power company with a significant national and international presence, having a generation capacity of 10857 MW together with its subsidiaries and joint entities, of which 32% comes from clean energy sources. A century old organization, Tata Power has the distinction of being among the top private players in all segments across the value chain,- Fuel & Fuel Logistics, Power Generation (conventional & renewable), Power Transmission, Power Distribution and Retail, Power Services (Operations & Maintenance), renewable energy and Power Trading. The company through its power distribution operations is serving consumers in Mumbai (consumer base of 0.7 million), Delhi (1.7 Mn consumers) and Ajmer (0.15 Min consumer). Tata Power carries out transmission operations in Mumbai with more than 1,125 Ckt KM of transmission network in Mumbai License Area to meet the growing power needs of the city

Tata Power's journey over past century has been a fascinating saga of pioneering initiatives, technology leadership, project execution excellence, world-class safety processes, customer care and driving green initiatives, along with its commitment to 'lighting up lives' for generations to come. Tata Power is credited with steering the energy sector on technology, process and platform. Powering emerging technologies for the 'smart' customer, Tata Power's latest business integrated solutions, focusing on mobility and lifestyle, is poised for multi-fold growth.

Key Exhibits from The Tata Power Company Limited

- Tata Power Mobility Solutions powered by GIS Dynamic Forms: Over the years Tata Power has been widening the horizon of its applications of Geographical Information System from a standalone asset management system to an integrated mobile solutions application. Various applications from Personal Digital Assistant (PDA), Meter Commissioning services, mobile assisted system for Restoration and Care (marC) to Dynamic Forms have been deployed to bring in operational efficiency.

Co-Host Utilities

BSES Rajdhani Power Limited

BSES Yamuna Power Limited

BESCOM

CESC LIMITED

BESCOM

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Company Profile

Bangalore Electricity Supply Company Limited is responsible for power distribution in Eight districts of Karnataka. BESCOM covers an area of 41,092Sq. Kms. with a population of over 207 lakhs. The company has 3 operating Zones – Bangalore Metropolitan Area Zone, Bangalore Rural Area Zone and Chitradurga Zone, 9 Circles, 28 Divisions, 119 Sub-divisions and 453 Section Offices.

In the year 1999, Karnataka embarked on a major Reform of the power sector. As a first step, Karnataka Electricity Board (KEB) was dissolved and in its place, the Karnataka Power Transmission Corporation Limited (KPTCL) was incorporated.

This was followed by the constitution of Karnataka Electricity Regulatory Commission (KERC) in November 1999. In the next phase of the Reform Process, the transmission and distribution business managed by KPTCL were unbundled in June 2002. Four new distribution companies were formed to distribute power in Karnataka. Bangalore Electricity Supply Company Limited (BESCOM) had taken over the responsibility from KPTCL for the distribution of electricity in 8 districts and commenced its operations from 1st June 2002.

BSES Rajdhani Power Limited

BSES Rajdhani Power Limited

Company Profile

BSES Rajdhani Power Limited (BRPL) is a joint venture between Reliance Infrastructure Limited and Government of NCT of Delhi with a 51%:49% shareholding. BRPL, along with its sister company BSES Yamuna Power Limited (BYPL), supplies electricity to two-thirds of the national capital. It has brought about a record reduction of 84% in AT & C losses - from 51.5% in 2002 to 8.06%.

Spread across a geographical area of around 750 sq. kms., BRPL is the largest of the three private distribution companies (DISCOMS) in Delhi. The company supplies electricity to over 26 lakh consumers, covering a population base of over one crore in South and West Delhi.

Managing this mammoth and complex network needs a dedicated and a highly skilled workforce of around 10,000, which works round-the-clock to ensure reliable power supply. Contributing to around 43% of Delhi's power supply, during summers 2019 (July), BRPL helped Delhi meet its highest ever peak power demand of 7409 MW. In its license area, the DISCOMS met an-all time high peak power demand of 3211 MW in 2019.

Committed to sustainable growth, BRPL has been aggressively pushing solar and others renewables energy resources. The DISCOMS have signed PPAs of over 1300 MW, which are expected to take the share of renewable power in its power portfolio to around 29% by FY 2021-22. Moreover, with the help of innovative programs like 'BSES Solar City Initiative', the DISCOMS have energized around 2000 (over 60 MW) solar roof-top net metering connections in its licensed area.

As part of sustainable growth, BSES has also taken to digital in a big way. Consumer can connect with the DISCOMS and apply for a host of services, including applying for a new connection, registering complaints, from the comfort of their homes and offices using Mobile App, website and social media mediums like Facebook, Twitter and WhatsApp. As part of this endeavour, the DISCOMS is also rolling - out Digi Seva Kendras (DSK) ¬- state of the art centres modelled on the line of Passport Seva Kendras. These DSKs offer quick, convenient and hassle free single window services to consumers,

who can apply for a host of services like new connection, load, name, category change etc.

BRPL lives and work in perfect harmony with the communities and actively contributes to the growth of the society. Its CSR programs are designed to make a difference in the lives of the underprivileged citizens in its license area. It has positively impacted the lives of over 4.5 lakh (and counting) beneficiaries in South and West Delhi.



BSES Yamuna Power Limited

BSES Yamuna Power Limited

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Company Profile

BSES YAMUNA POWER LTD. (BYPL) is a joint venture between Reliance Infrastructure Ltd. and Government NCT of Delhi (India). BYPL distributes electricity to 1.7 million consumers spread over an area of 200sqkm in Central and East Delhi.

BYPL has an unparalleled AT&C loss reduction record of over 54% during the past 16 years i.e. from 63.1% in 2002 to 8.98% in FY19. BYPL successfully met peak demand of 1653 MW during summer'19.

BYPL has always been on the forefront of adoption of state of the art technologies for providing world class power supply to its consumers. In line with the same, BYPL has implemented several smart grid technologies to enhance network reliability, improve operational efficiency and ensure high customer satisfaction. Key technologies implemented include

1. Supervisory control and data acquisition (SCADA) system for Sub-Transmission Network
2. Intelligent outage management system
3. Distribution automation
4. Intelligent group metering for theft prone areas
5. Substation health monitoring

Treading the path of making power distribution smarter every day, BYPL will further leverage new technologies and innovations to improve all round performance and be among the best utilities in the world.



CESC LIMITED

Company Profile

CESC is India's first fully integrated electrical utility company, generating and distributing power in Kolkata and Howrah since 1899. CESC supplies safe, cost-effective electricity to more than 3 million High Tension & Low Tension customers, spread across a licensed area of 567 square kilometers. With a growth of consumer base of about 1 lac per annum, the total energy sales are also growing at a steady rate.

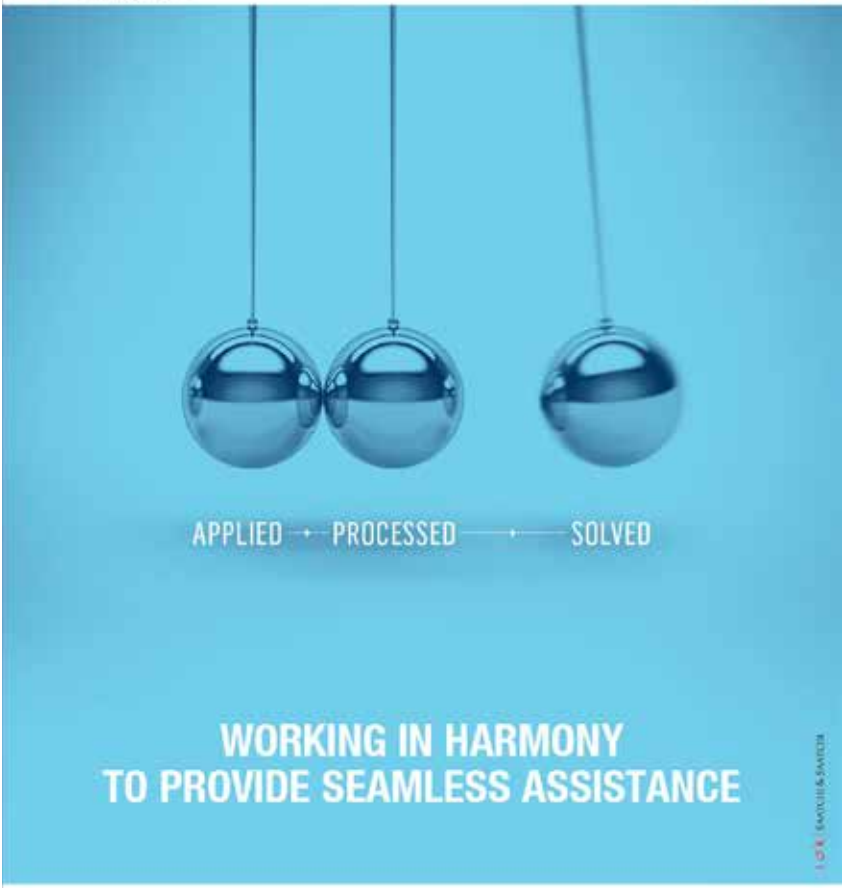
In 2016 - 2017, three wholly-owned subsidiaries of CESC Rajasthan have been formed for Kota, Bharatpur, and Bikaner. All three distribution franchises will distribute electricity to the growing cities of Rajasthan for a period of 20 years. Recently, CESC has also acquired the distribution franchise for Malegaon, Maharashtra.

All Customer Centric Initiatives are targeted towards ensuring a delightful experience for CESC Consumers. With CESC's e-care approach, all services (New Connection, Additional Load Requirement, AC Application, to name a few) are available on the company's website. The ISO 9001:2008 certified centralized and fully automated 24x7 Call Center Facility handles supply, billing and online service related complaints and queries. A state of the art Mobile Application has been designed to help customers reach CESC on the go.

CESC AD_Eng_16cm (W) x 25cm (H)

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- Name Change

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HOST UTILITY (GAS)





Gail (India) Limited

Company Profile

Gail (India) Limited (GAIL) (formerly known as Gas Authority of India Limited) is the largest state-owned natural gas processing and distribution company in India. It is headquartered in New Delhi. It has the following business segments: natural gas, liquid hydrocarbon, liquefied petroleum gas transmission, petrochemical, city gas distribution, exploration and production, GAILTEL and electricity generation. GAIL was conferred with the Maharatna status on 1 Feb 2013, by the Government of India. Only eight other Public Sector Enterprises (PSEs) enjoy this coveted status amongst all central CPSEs. GAIL was listed in the 131st position among India's most trusted brands according to the Brand Trust Report 2014, a study conducted by the Trust Research Advisory . GAIL (India) Limited was incorporated in August 1984 as a Central Public Sector Undertaking (PSU) under the Ministry of Petroleum & Natural Gas (MoP&NG). The company was formerly known as Gas Authority of India Limited. It is India's principal gas transmission and marketing company. GAIL today has reached new milestones with its strategic diversification into petrochemicals, telecom and liquid hydrocarbons besides gas infrastructure. The company has also extended its presence in power, liquefied natural gas re-gasification, city gas distribution and exploration & production through participation in equity and joint ventures. Incorporating the new-found energy into its corporate identity, Gas Authority of India was renamed GAIL (India) Limited on 22 November 2002.GAIL (India) Limited has shown organic growth in gas transmission through the years by building large network of trunk pipelines covering length of around 10,700 kilometres (6,600 mi). Leveraging on the core competencies, GAIL played a key role as gas market developer in India for decades catering to major industrial sectors like power, fertilizers, and city gas distribution. GAIL transmits more than 160 mmscmd of gas through its dedicated pipelines and have more than 70% market share in both gas transmission and marketing.

Indraprastha Gas Limited

Company Profile

Emergence of IGL

Incorporated in 1998, IGL took over Delhi City Gas Distribution Project in 1999 from GAIL (India) Limited (Formerly Gas Authority of India Limited). The project was started to lay the network for the distribution of natural gas in the National Capital Territory of Delhi to consumers in the domestic, transport,and commercial sectors. With the backing of strong promoters – GAIL (India)Ltd. and Bharat Petroleum Corporation Ltd. (BPCL) – IGL plans to provide natural gas in the entire capital region. The two main business objectives of the company are -

- To provide safe, convenient and reliable natural gas supply to it's customers in the domestic and commercial sectors.
- To provide a cleaner, environment-friendly alternative as auto fuel to Delhi's residents. This will considerably bring down the alarmingly high levels of pollution. The transport sector uses natural gas as Compressed Natural Gas (CNG), the domestic and commercial sectors use it as Piped Natural Gas (PNG) and R-LNG is being supplied to industrial establishments.

Future Outlook

IGL continues to augment its infrastructure so as to meet the increasing demand of CNG arising out of growing number of CNG vehicles in Delhi. The growth drivers for increase in demand of CNG are - car manufacturers coming

up with CNG variants and Delhi Government's directive making it mandatory for all LCVs operating in Delhi to run on CNG. The company is in the process of enhancing its compression capacity by adding new stations.On the PNG front, IGL has planned to expand its business activities in Delhi and its neighbouring towns like Noida, Greater Noida and Ghaziabad. Our customers will now be benefited with supply of PNG for non cooking applications like Geysers also. IGL is also working towards expanding its PNG network to cover all charge areas of Delhi. Industrial and commercial segments would be the focus areas for the organization in the future.

PLATINUM PARTNER



ABB POWER PRODUCTS AND SYSTEM INDIA LIMITED

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Company Profile

ABB Power Products and Systems India Limited is the standalone legal entity of ABB's Power Grids business in India. ABB Power Grids is a global leader and pioneer in power technologies. We create value for customers across the energy, industrial, transportation and infrastructure sectors, delivering an extensive range of digitally-advanced solutions.

Active in 90+ countries, our experts contribute deep insight that enhances reliability, efficiency and safety. In India, we deliver our entire solutions offering through five manufacturing locations and 17 branch offices. We have been making in India for over six decades and have been building a sustainable ecosystem by developing local suppliers, tapping local talent for R&D and engineering and nurturing future talent through associations with leading educational institutes. Together, we are committed to shaping the future of sustainable energy for generations to come, as the partner of choice for a stronger, smarter and greener grid. www.abb.com/grids.

ABB (ABBN: SIX Swiss Ex) is a technology leader that is driving the digital transformation of industries. With a history of innovation spanning more than 130 years, ABB has four customer-focused, globally leading businesses: Electrification, Industrial Automation, Motion, and Robotics & Discrete Automation, supported by the ABB Ability™ digital platform. ABB's Power Grids business will be divested to Hitachi in 2020. ABB operates in more than 100 countries with about 147,000 employees.

Gold Partners

KAIFA

SEW
SMART ENERGY WATER

SHENZHEN KAIFA TECHNOLOGYCO., LTD.

KAIFA

Company Profile

Shenzhen Kaifa TechnologyCo., Ltd. Is the world's leading electronicsmanufacturing services (EMS) provider. We serve customers worldwidealong the whole industry chain, including in technology R&D, process design, production control, procurement management, and logistics support. They were listed on the Shenzhen Stock Exchange in 1994. Kaifa is one of the core enterprises of China Electronics Corporation and and have been ranked on the "Top 500 Enterprises of China" and the "Top 500 Enterprises in Shenzhen".

Established in 1985, we have more than 30 years of experience in product manufacturing. Our 15,000-m2 cleanroom (from Class 10,000 to Class 100) houses more than 150 surface-mount technology (SMT) production lines. Headquartered in Shenzhen, China we operate ten R&D and manufacturing bases located in China (Shenzhen; Suzhou; Dongguan; Chengdu; Chongqing and Guilin), Malaysia, Philippines, occupying a total area of more than 490,000 m2. At the same time, we have branches or R&D teams in more than 10 countries or regions, including the United States, the United Kingdom, the Netherlands, India, Singapore, Hong Kong.

SMART ENERGY WATER

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Company Profile

Smart Energy Water is the #1 Global Energy and Water Cloud Platform that addresses the key challenges of energy efficiency and water conservation with core focus on Digital Customer Experience, Mobile Workforce Engagement, and Smart Analytics in the energy and utility industry.

Our solutions are easy-to-use, integrate seamlessly with utility backend systems, and improve operational efficiency using AI, ML, IOT, cloud and mobile technologies. With proven industry expertise, we partner with global energy and water utilities in their digital transformation journey to create a smart and sustainable environment.

Through our web and mobile platforms, we engage, educate and empower billions of people to proactively save energy and water resulting in high customer satisfaction and experience (CX).

Silver Partners

G3-PLC Alliance

ORACLE Utilities

L&T Construction
Power Transmission & Distribution

G3-PLC Alliance

Company Profile

The G3-PLC Alliance is a consortium created in 2011 to standardize and promote G3-PLC technology globally. The technology, standardized under ITU-T G.9903, uses the existing power line infrastructure for cost-effective data communication. The main applications of the technology include smart metering, smart grid management, street lighting, smart cities, home automation systems, railway control systems and all kind of industrial applications.

Today, the G3-PLC Alliance counts more than 90 members that are international key stakeholders of the smart grid ecosystem, including utilities, semiconductor companies, equipment manufacturers and industrial companies.

Together, they support, promote and implement the G3-PLC technology and established an industrial certification program to guarantee the interoperability of devices from different manufacturers. Over 30 million G3-PLC products have already been deployed in 30 countries around the world.

ORACLE UTILITIES

ORACLE Utilities

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Company Profile

For more than 30 years Oracle's industry expertise has enabled electric, gas, and water utilities of all types and sizes successfully navigate a wide range of mission-critical business challenges. Our solutions deliver an end-to-end, high value, low cost roadmap to achieve excellence across your utility's operations and are designed to optimize performance of your information, people, and process.

Oracle brings together a worldwide team of utility experts who understand your business, software applications that address mission critical needs, a rock-solid suite of corporate operational software, high performance servers and storage, and world-leading middleware and technology.

The results: flexible, innovative solutions that increase efficiency, improve stakeholder satisfaction, and address emerging business requirements. Find out how we can become your trusted advisor at www.oracle.com/utilities.

For more info, contact: OracleUtilities-global_ww@oracle.com

ORACLE
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Our Work and Asset Management protected **$155 billion** in utility resources.

Our Network Management System helped shorten outages for **55 million** people.

Our Opower programs saved the world **24 TWh** (and counting) of power.

Our C2M Solution simplifed billing for **550 million** consumers.

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L & T CONSTRUCTION

L&T Construction Power Transmission & Distribution

Company Profile

Larsen & Toubro is an Indian multinational engaged in technology, engineering, construction, manufacturing and financial services with USD 21 billion in revenue. L&T's Power Transmission and Distribution business vertical is a leading EPC player in the field of power transmission and distribution and solar energy. It offers integrated solutions and end-to-end services ranging from design, manufacture, supply, installation and commissioning of Transmission lines, Substations, Underground cable networks, Distribution networks, Power quality improvement projects, Infrastructure electrification, Solar PV plants, Battery energy storage system and Mini/ micro grid projects. Besides being a dominant player in the Indian market, the business enjoys significant share and a strong reputation in the Middle East, Africa and ASEAN markets.

Welcome Reception Partner



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THE BEST RUN SAP

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Company Profile

SAP is at the center of today's technology revolution. The market leader in enterprise application software, SAP, helps organizations fight the damaging effects of complexity, generate new opportunities for innovation and growth, and stay ahead of the competition. SAP India is the fastest growing subsidiary of SAP SE, the world's leading provider of business software solutions.

SAP India began its operations in 1996 with headquarters in Bangalore and offices in Mumbai, New Delhi, Kolkata, and a direct presence in nine cities across India, besides having marketing associates in Sri Lanka and Bangladesh.

Declared as the 'Hub of the year in Asia Pacific and Japan" in 2007, SAP India witnessed an unprecedented growth of over 100% both in terms of license revenue and customer acquisition.

ISGF Innovation Awards Partners



NEW ENERGY AND INDUSTRIAL TECHNOLOGY DEVELOPMENT ORGANIZATION (NEDO)

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Company Profile

New Energy and Industrial Technology Development Organization (NEDO) is one of the Japan's largest public research and development management organizations under Ministry of Economy, Trade and Industry (METI) Govt. of Japan. We have been undertaking technology development and demonstration activities to carry out the two fold missions of addressing energy and global environmental problems and enhancing industrial technology by integrating the combined efforts of industry, academia, and government.

For more than thirty years, NEDO has been supporting Japan's energy and environmental fields through its development of innovative technologies for renewable energy, energy conservation and smart community systems. In addition, based on our technologies and know-how, NEDO carries out projects around the world to address social issues.

In India, NEDO has conducted 17 demonstration projects. One of them is a Smart Grid Demonstration Project in Haryana state. And also, this project is recognized as one of the smart grid pilot projects by Ministry of Power, Govt. of India. We carried out this project in collaboration with Uttar Haryana Bijli Vitran Nigam Limited (UHBVNL), Fuji Electric Co., Ltd., Sumitomo Electric Industries, Ltd. and THE Power Grid Solutions Co., Ltd. (JV of TEPCO and HITACHI, Ltd.).

NEDO will continue to meet future challenges with the expectation that our efforts will lead to further strengthening of bilateral cooperation between India and Japan as well as the establishment of sustainable social systems in India.

Technology Partners







FLUENTGRID LIMITED

Company Profile

Fluentgrid Limited is the leading provider of smart energy and smart city technology solutions as a turnkey system integrator. Fluentgrid has a proven portfolio of COTS products addressing the commercial, operational, analytical and administrative needs of energy & water utilities and cities & communities.

Some of these products like CIS and MDMS are featured consistently in analyst reports such as Gartner Magic Quadrant for Utilities CIS and MDMS systems. Fluentgrid Actilligence™ is featured in Navigant Research Report on Smart Cities.

Capabilities

- Consulting & Capacity Building
- Software Products
- Solution Design & Delivery
- Support & Maintenance
- Managed Services

Process frameworks compliant with CMMI L5, PCMM L3, ISO 9001, ISO 20000 and ISO 27001 empower Fluentgrid to successfully deliver sustainable solutions, always on time. Robust products backed by mature process frameworks coupled with two decades of industry expertise facilitate seamless transformation of customer businesses with lower TCO and faster RoI.

With a footprint spanning five continents, serving over 45+ million end users, Fluentgrid is touching the lives of 200 million people globally through its products and services.

For more information, visit www.fluentgrid.com or write to us at info@fluentgrid.com

LoRA ALLIANCE

LoRa Alliance

Company Profile

The LoRa Alliance® is an open, nonprofit association that has become one of the largest and fastest-growing alliances in the technology sector since its inception in 2015. Its members closely collaborate and share expertise to develop and promote the LoRaWAN® standard, which is the de facto global standard for secure, carrier-grade IoT LPWAN connectivity.

LoRaWAN has the technical flexibility to address a broad range of IoT applications, both static and mobile, and a robust LoRaWAN Certification program to guarantee that devices perform as specified. The LoRaWAN standard has been deployed by more than 120 major mobile network operators globally, and connectivity is available in more than 140 countries, with continual expansion. More information: lora-alliance.org.

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Company Profile

Ernst & Young LLP (EY) has been part of Power & Utilities Sector for over 20 years with deep sector knowledge, relationships with the industry's key stakeholders, and strong global capabilities – with over 8,000 power & utilities in our network, clients see us as the most globally connected organization among the Big Four.

EY has served as the client side advisor on over 60 smart metering and smart grid engagements around the world, across the entire value chain from strategy through to execution – Collectively managing over $25bn worth of smart programs and been involved with over 100mn smart meter deployments program. EY has developed UtilityWave built on cloud platform.

With this event, EY will be able to demonstrate an interactive demo of EY UtilityWave to give an in-depth briefing on the solution.

- Discussion on our integrated offering and the various applications we have developed together with client's to-date and the business challenges we have help our clients to solve.
- Live demo of our UtilityWave platform and its existing applications, highlighting functions/features and talking through the 'use cases' we have developed together with clients.

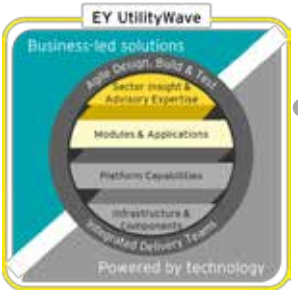
UtilityWave is a part of our Digital Grid offering and a key enabler in driving the transformation agenda for clients. EY UtilityWave combines deep industry expertise, client advisory and world class technology to design, build and



EY UtilityWave combines deep industry expertise, client advisory and world class technology to design, build and operate cloud-based applications that address specific business needs.

'Business led'

Market leaders in Digital Grid advisory – EY brings unparalleled insight and expertise and works with clients to understand their specific business needs to tailor the solution, involving them every step of the way



'Technology powered'

Proven, scalable & secure cloud technology – EY leverages a platform built on market-leading Microsoft Azure to accelerate the deployment of custom client solutions

'Outcome focused'

Deliver turnkey solutions – Fully integrated teams combine business and technology skills and turbo-charge the design, build, operate, transfer cycle

Deliver quick results – EY uses agile delivery methods focused on rapid development cycles to test/validate often and build incrementally

Value-driven – EY uses flexible commercial models and price based on value that is tailored to the context of clients

EY UtilityWave delivers fully-integrated agile business design

Advisory services that are rich in sector and subject matter content designed to deliver outcomes	A suite of more over 5 modules and over 30 applications that EY can deploy out-of-box and customise for clients	Core platform capabilities to rapidly ingest, analyse and represent data from disparate systems	A secure EY-managed cloud infrastructure that is 'plug and play' and allows for scaling of services according to client needs

A unique service that brings the depth of EY know-how underpinned by world class Microsoft technology

operate cloud-based applications that address specific business needs with following approachFocus on business outcomes: Our relentless focus on business outcome ensures a solution that is fit-for-purpose specifically for the client

Lead with a proposed solution: We package the insights from our experience into predefined modules enabling our client to benefit from global leading practices

Think big, start small, scale fast: Our service is modular in nature, respond to a specific business need

Deliver results quickly, and often: Our approach combines predefined business content and deep understanding of client issues to get a solution up and running quickly

Bronze Partners







JBM GROUP

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Company Profile

JBM Group, a $2.2bn global Indian conglomerate, has over 3 decades of excellence in driving product innovation & value across automotive, buses & electric vehicles, EV charging infrastructure, renewable energy, engineering & design services and railways sectors. With modest beginnings in the early 80s, JBM has leapfrogged multi-fold with an infrastructure of 60 manufacturing plants, 5 engineering & design centers in over 10 countries globally today.

JBM Group has been consistently diversifying into newer areas that not only promote sustainable development but are also aptly aligned to the vision of Make in India. Powering the future race of vehicles equipped with innovative technology, JBM Group has vertically integrated its business from auto systems to launching its bus division as an OEM and today moving ahead as an electric vehicle fore-runner. Further, the Group has also established its footprint in the renewable energy business and is actively delivering solutions in the solar and waste to energy domains.

The automotive business of the Group caters to a variety of key auto systems, safety critical assemblies & tools serving marquee OEMs such as Ashok Leyland, Bajaj, Daimler, Fiat Chrysler, Ford, Honda, Hero, JCB, Jeep, Mahindra, Maruti Suzuki, Renault, Nissan, TATA, Toyota, TVS, Volvo Eicher, Volkswagen and many more. JBM has carved a niche across various product categories by virtue of its alliances with over 15 globally renowned organisations like Arcelor Mittal, Cornaglia, Dassault Systems, JFE Steel, Ogihara, Linde-Wiemann, Solaris Bus & Coach S.A., Sumitomo, etc.

Over the years, the company has put thrust on technological excellence, innovation and supplies avant-garde products to almost all major OEMs in India. JBM's manufacturing facilities are strategically located in close proximity of leading automobile hubs of India at Delhi-NCR, Sanand, Pune, Indore, Nasik, Bangalore and Chennai.

JBM Group believes that success depends on collective competencies and commitment of human capital. The core strength and value asset of the Group is the dedication of 20,000 employees who synergize to deliver quality results consistently. JBM Group has set up its own Skill Development Centers to enhance employability in the society thereby increasing availability of skilled personnel for its own business requirements and the society at large.

Consistent innovation, constant learning and benchmarking best technology in all its endeavors has been the cornerstone for JBM's sustained and consistent growth over the decades. JBM believes in acting as a one-stop shop encapsulating end to end solutions to attain and sustain customer delight. The Group's state of the art in-house R&D Centre has been recognized by the Department of Scientific & Industrial Research, Ministry of Science & Technology, Govt. of India.

Intrinsic to the core JBM DNA, the Group has been relentlessly working towards creating products that not only address the requirements of the future but are also green & sustainable. At JBM, we believe in scaling up the business in tandem with our accountability towards the environment, thus, propelling our belief of shared prosperity.

As an essential part of the JBM Group's value ecosystem, the organization looks forward to maintain highest standards towards preserving and protecting the environment, as well as enhancing the health and safety of its employees and communities. The group executes large gamut of activities through its corporate social responsibility arm - Neel Foundation. The organization believes to enrich the quality of life of the community and prevails to preserve its ecological balance as well as its cultural heritage.

NOKIA SOLUTIONS AND NETWORKS INDIA PVT. LTD.

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Contact Person: Sangita Sanju, Partner Marketing Manager – APAC, Japan and India

Company Profile

We create the technology to connect the world. We are powered by the research and innovation of Nokia Bell Labs, and serve communications service providers, governments, large enterprises and consumers, with the industry's most complete, end-to-end portfolio of products, services and licensing.

From the enabling the infrastructure for 5G and the Internet of Things to emerging applications in digital health, we are shaping the future of technology to transform the human experience.

From now to next.

Make your grid smarter today — and genius tomorrow.

Nokia Industrial-grade Private Wireless.



Attention, Utilities: you don't need to wait for 5G to be amazing right now.

With Nokia Industrial-grade Private Wireless, boost performance, reliability and efficiency while simplifying management. Extend secure, boundless connectivity to sensors and assets to automate operations. Enable analytics to minimize incident costs with predictive maintenance. Leverage communications and data to drive future business models and more, with seamless 5G evolution.

Partner with Nokia for state-of-the-art 4G wireless solutions **now,** and 5G wireless solutions and so much more, **next.**

Start next now at **nokia.ly/private-wireless-utilities**

NOKIA

WISUN ALLIANCE

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Contact Person: Amarjeet Kumar, India Regional Coordinator

Company Profile

Wi-SUN Alliance is a global industry association devoted to seamless connectivity. Together we seek to promote certified standards that coordinate various wireless systems and standardize power levels, data rates, modulations, and frequency bands, among other variables. Through technology development, market building, and regulatory programs, Wi-SUN Alliance is committed to supporting the worldwide development of Wireless Communications Networks for Utilities, Smart Cities and IoT.

Wi-SUN is the first and only group contributing to key standards and developing testing programs to verify that a company's equipment not only complies with IEEE 802.15.4g, a wireless standard specification for Smart Utility Networks, but is interoperable with equipment from other vendors intended for use in the same applications. The Wi-SUN CERTIFIED™ program, launched in early 2013, provides an official designation of interoperability and a quality experience for both suppliers and consumers. As part of this program, Wi-SUN develops Conformance and Interoperability Test specifications, which incorporate "Certified Test Bed Units (CTBUs)" for interoperability testing.

Manufacturers whose products pass all the tests will receive the Wi-SUN logo, or seal of approval. The logo ensures compliance with the relevant standards and interoperability with other products.

Knowledge Partner



RTI INTERNATIONAL

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Company Profile

Established in 1958 in the state of North Carolina, USA, RTI is an independent, non-profit research institute dedicated to improving the human condition. Clients rely on RTI to develop solutions that demand an objective and multidisciplinary approach, one that integrates expertise across the social and laboratory sciences, engineering, and international development.

RTI's Work in India:

RTI's work addresses many of the critical challenges facing the country today, including, sustainable energy, water, sanitation, health and waste management.

Over the past decade, RTI has implemented projects across India, including in Bihar, Gujarat, Karnataka, Maharashtra, Odisha, Uttar Pradesh, and Tamil Nadu.

Our strength lies in our depth of expertise and proven research methodologies spanning science and technology, data science, communication science, and other knowledge-enabling tools. We take pride in our independent assessment studies that are objective in approach and scientific in delivery.

Our Expertise:

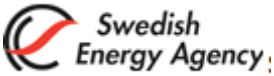
With experienced thought leaders and proven approaches, we apply a diverse set of services and capabilities across key practice areas that address some of the most critical needs of the country.

Services & Capabilities in India:

- Program Design and Implementation
- Surveys and Data Collection
- Measurement & Evaluation, Impact Assessment
- Hydrology & Water Resources Management
- Innovation, Technology Validation & Commercialization

Collaboration is a core institutional value at RTI. We are committed to partnering with other Indian organizations and institutes that mirror the same value system and bring complementary expertise to bear on solving critical problems facing the country.

Country Partners







SWEDISH ENERGY AGENCY

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Company Profile

AThe Swedish Energy Agency is a Swedish governmental organization with an responsibility of promoting sustainable energy systems through the use of renewable energy, energy efficient technologies, a smarter end-use of energy, and mitigation of climate change. Besides policy development and international collaborations, the Swedish Energy Agency is also an active public financier of early and growth stage clean tech companies in Sweden through a system of grants and soft loans.

Swissnex India, Consulate General of Switzerland, Bangalore

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Contact Person: Gaganjot Kaur, Lead Renewable Energy

Company Profile

Swissnex India connects the dots in research, innovation and education between Switzerland and India. Our mission is to actively engage our partners in the global exchange of innovation, knowledge, ideas and talent. By crossing conventional boundaries, we offer platforms to foster collaboration and creativity, inspiring research and ground-breaking innovation. The Swissnex network has presence in Boston, San Francisco, Brazil, China and India. In India, we are located in the heart of Bangalore city, a thriving metropolis and the leading hub of academia and innovation in the country.

Swissnex engages with a diverse set of stakeholders from academic and entrepreneurial communities in Switzerland and India. Using our curated platforms, key players within universities, startups and corporate communities enhance their visibility, and find new engagement models and opportunities.

We engage with Swiss and Indian players on Energy, Deeptech, Sustainability and Life Sciences & Healthtech, to enable co-creation of technologies and solutions that would shape the future. Our work in the Energy sector is in line with India's ambitious plans for renewable energy and Switzerland's tremendous effort through R&D and capital into devising new solutions in the adoption of green technologies. We facilitate collaborations with our curated immersion programs involving tailored meetings with key industry players, sessions by sector experts, B2B meetings and access to a strong network of domain professionals in Solartech, battery storage technologies, smart grids, energy efficiency, manufacturing, integration, mobility, building integrated photovoltaics, materials sciences and more.

THINK SMARTGRIDS

Company Profile

Think Smartgrids is a professional association created in 2015, with the aim of developing the smart grids sector in France and developing international collaborations. It brings together more than a hundred members from across the smart grids value chain: large groups, intermediate sized companies, SMEs and start-ups, and competitiveness clusters. Public actors, network operators, industrialists, consultants and actors from the academic world are all represented within the association, reflecting the diversity of the French smart grid ecosystem.

Think Smartgrids ensures the development of the French Sector in a global market estimated to be worth €75 billion. Through its actions and the support it provides, the association hopes to be an incubator for new collaborations between its members, as well as between its members and international stakeholders.

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L&T Electrical & Automation
LoRa Alliance
LUNA
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AUTOGRID

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Contact Person: Vish Ganti, VP & Managing Director, AutoGrid INDIA

Company Profile

AutoGrid builds enterprise software that enables a smarter distributed energy world. The company's suite of flexibility management applications allows utilities, electricity retailers, renewable energy project developers and energy service providers to deliver clean, affordable and reliable energy by managing networked distributed energy resources (DERs) in real time, at scale through different value streams. AutoGrid has contracted more than 5,000 megawatts of DERs and works with more than 50 leading energy companies around the world, including Schneider Electric, CLP, E. ON, CPS Energy, National Grid, NextEra Energy, and Total.

CMS Computers Limited

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Contact Person: Jaish D'Souza / Rajani Muthu, Manager – Marketing & Communications / Asst. Manager - Marketing

Company Profile

Founded as Computer Maintenance and Services Company in 1976, CMS Computers Limited is a pioneer and leader in the Indian ICT industry, with more than 5000 employees spread across over 100 locations in India. Over the last 43 years, has played an integral role in helping clients succeed through many economic cycles by providing expertise and experience in delivering governance services, transportation & traffic solutions, energy management solutions, surveillance & workforce management, broadcasting solutions as well as software services aligning technology with client businesses. CMS Computers Limited is also aligned to the Government's mission of Digital India, Smart Cities and Smart Grids by playing a major role in envisioning and synergizing IT with emerging technologies. Our Design in India and Make in India philosophy, created by our Founder and nurtured by the leadership team has seen several products deployed across sectors - helping simplify lives.

CUCULUS GmbH

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Company Profile

Cuculus provides and operates software solutions for the energy sector and beyond.

ZONOS, our core product, is an IoT Platform for critical infrastructures tailored for the special needs of Smart Metering, Smart City and Smart Gird applications.

DONGFANG ELECTRONICS PRIVATE LIMITED

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Company Profile

Dongfang Electronics Private Limited is the Indian Subsidiary of Dongfang Electronics Co., Ltd, China (hereinafter DFE) which is a large-scale electronic enterprise and covers Research, Development and Production & Technical services.

DFE has the complete range of products for the complete automation of the T&D systems like AMR/AMI, Smart Meters, Smart Grid Solutions, HES, MDM DCUs, SCADA/EMS/DMS, SAS, Numerical Relays, RTUs, FRTUs and BCU.

DFE is among one of the few players in the Indian Market having their own End to End solution for the AMI requirement of the utilities with own Full Range Legacy and Smart Meters, MDAS, MDMS, Prepayment Vending Software, which can be customized as per the requirements of the end Customers/ Utilities.

DFE has opened a state of the art Smart Meter Manufacturing Facility in Gurgaon for catering to the Smart Meter and AMI solutions requirements for Utilities in India, South East Asia and Africa.

DFE has successfully Implemented Smart Grid Project for Puducherry Electricity Department (PED) covering with End to End Solution from DFE with more than 33000+ End points with Hybrid Communication system, HES, MDM and PLM.

DFE has also successfully implemented under the RAPDRP program of the Ministry of Power as approved SCADA Implementation Agency (SIA) SCADA/ DMS projects for 23 cities in the six states of Tamil Nadu, Madhya Pradesh, Pondicherry, Odisha, Jharkhand and Rajasthan.

DFE has implemented the project for supply, erection, testing, commissioning and integration of 47 Nos of RTUs in PSTCL in two phases & 102 Nos of RTUs at RVPN in three phases, with M/s Alstom SCADA/EMS system under ULDC

Phase-I and M/s Siemens SCADA/EMS system under ULDC Phase-II on IEC-101 protocol RT-DAS Projects under the IPDS program of the MoP, for NBPDCL, SBPDCL- Patna, MPMKVVCL-Bhopal, UPCL-Dehardun, HPSEB- Shimla and APSPDCL-Tirupati having installation of 5 Nos Control Centers and 700+ FRTUs at Sub-Stations.

GUPTA POWER INFRASTRUCTURE LIMITED

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Contact Person: Mr. Sandeep Kumar, Sr. Vice President – Sales & Marketing

Company Profile

Gupta Power Infrastructure Limited, Flagship Company of JRG Group, is a long - established name in electrical manufacturing domain with its array of cables, conductors, wire rods, household wires and LED lighting. With a strong vision, groundbreaking ideas and foresight Gupta Power began its journey towards success in the year 1961 and reached the pinnacle through persistent efforts, continuous innovation, quality control and relentless customer service. The company forayed into house wire segment of market under the brand 'Rhino'. In 2016, Rhino launched widest range of LED products – commercial, domestic, road lighting, area lighting & industrial lighting. With the rise in emphasis in on Digital India, Gupta Power also introduced complete range of end-to-end terrestrial Optical Fiber Cables in 2017.

EPC division started with an objective of empowering lives by offering integrated turnkey solution. The division has a dedicated team of designers and engineers for successful project execution. To strengthen the EPC division work they have started manufacturing HTLS Conductor. The specialty of the conductor is it has high current carrying capacity and low sag-tension property. Installation of this conductor is easy and rapid.

Currently, Rhino retail products are available through 500 registered dealers and distributors and over 5000 retail outlets across country. There are 3 ultra-modern manufacturing facilities with latest technologies in its SBUs. Plants at Khurda and Kashipur make both cables and conductors where as the one located near Chennai is dedicated towards manufacturing of conductors. For quality products Gupta Power has established in-house R&D division, hi-tech laboratory and quality assurance division. The carefully planned designs play a major role in providing the market with innovative, smart products.

HPL ELECTRIC & POWER LIMITED

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Contact Person: Mr. Sundeep Tandon, Senior Vice President (Business Development)

Company Profile

HPL Electric & Power Ltd. (Formerly HPL – Socomec Pvt. Ltd.), was incorporated in 1992 and the manufacturing facility is situated at Gurugram, Haryana India.

We are an ISO 9001 company and one of the largest manufacturers of Static Energy Meters in India and having regular supplies to power utilities having installation based of over 60 Million meters across India.

We have an in house design and development center and are a Government of India, Ministry of Science and Technology recognized Research and Development Centre. Our Research & Development team comprises of over 100 Engineers, who work relentlessly to develop new technologies in the metering field.

Ours is a State-of-the-art fully backward integrated manufacturing facility is having capacity to manufacture over 6.5 Million meters annually (Approx. 25,000 Nos. Meters per day)

Our facility conforms to following National / International Recognized Standards

1. ISO 9001; 2015 for Quality Management System
2. ISO 14001;2004 for Environmental Management System
3. ISO 20001; 2018 for Information Technology Service Management
4. ISO 27001;2013 for Information Security Management System
5. ISO 18001; 2007 for Occupational Health & Safety Management System

Few other capabilities / certifications

1. In-house NABL Accredited Laboratory for Acceptance Tests as per IS Standards.
2. CMMI Level III certification for software development.

Our turnover in last three financial years is as below,

Financial Year	Annual Turnover
2016-2017	Rs. 1,036 Crores
2017-2018	Rs. 1,023 Crores
2018-2019	Rs. 1,102 Crores

Our manufactured range of Static Energy Meters is as below

1. Residential Meters (Single Phase / Poly Phase)
2. Commercial, Industrial, Agricultural, Audit Meters
3. Distribution Transformer Metering
4. Group Metering Solution
5. Prepayment Meters
6. Net Meters for Solar Rooftop
7. Smart Meters
8. AMR / AMI Solutions (RF, GSM / GPRS, PLC)
9. MDAS Software

Close to two decades, we have been supplying our Static Energy Meters to the most of the Distribution Companies in India to name a few are State Utilities of

1. Maharashtra
2. West Bengal
3. Andhra Pradesh
4. Telegana
5. Tamil Nadu
6. Gujarat
7. Rajasthan
8. Haryana
9. Himachal Pradesh
10. Uttar Pradesh
11. Bihar
12. Odisha
13. Manipur
14. J&K
15. Madhya Pradesh etc.

L & T ELECTRICAL & AUTOMATION

L&T Electrical & Automation

Company Profile

With over 25 years' experience in design, manufacturing and supply of electronic energy meters to electricity utilities, the Metering & Protection Systems (MPS) Business Unit of L&T Electrical & Automation today is a leading player in the metering segment in India. MPS entered the market in the early 1990s on the strength of its indigenously designed single phase and polyphase static meters.

Since then, a strong emphasis on design and testing, coupled with the ability to meet utilities' explicit and implied needs has resulted in development of meters that are accurate, easy to read and more importantly, reliable on the Indian distribution network.

MPS' meters and metering solutions have found wide acceptance in India from all major customers including industries, private utilities, electricity boards, generation and transmission companies. Our smart and prepaid metering solutions are also widely accepted in the Indian market.

LUNA ELEKTRIK VE ELEKTRONIK SANAYI VE TICARET A. Ş

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Tel : +905358636658
Contact Person: Ahmet Birson, Marketing Representative

Company Profile

LUNA got in the business with manufacturing electronic circuits and products for measuring electrical energy in 1991. LUNA has started to manufacture electricity meters with LUNA brand in 2009. Water Meter manufacturing started in 2013. LUNA manufactures 4 million electricity meters and 1.5 water meters per year with leader position in the market

NISSIN ELECTRIC CO. LTD.

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Contact Person: Mr. Jatin Rawal, Director, JESCO Projects (India) Pvt Ltd

Company Profile

We, Nissin Electric, were established in 1911 at Kyoto, Japan and have been the leading pioneer in renewable energy and micro grid as well as the leading supplier of substation equipment. And our equipment, such as gas insulated switchgear, instrument transformer, flexible ac transmission system, photovoltaic system and so on, is operating all over the world to supply stable electricity to people.

In ISUW 2020, we introduce our one-of-a-kind micro substation with power voltage transformer. It provides stable electricity that is unaffected by the weather to rural area. Our micro substation is environment-friendly approach and neither refueling nor frequent maintenance are necessary. We believe we can contribute to supply 24/7 electricity to all homes in India with our micro substation.

POWRTEC ENERGY PVT. LTD.

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Contact Person: Abhay Kumar Jain, General Manager

Company Profile

Powrtec Energy Pvt. Ltd. was incorporated to meet the increasing need for energy meters in the Indian as well as overseas market and to capitalize on the upcoming smart meter opportunities.

Powrtec has a state -of- the art Meter Integration and Testing facility of 12,000 Sq. ft. area in NCR, with a Production Capacity of 1 million (10 lac) meters annually. This capacity can be enhanced by adding up test benches depending on requirement.

Facility Details:

1. BIS 13779 certification for Single Phase & Three Phase meter
2. ISO 9001:2015, ISO 14001:2015 & ISO 27001:2013
3. NABL Calibrated Labs equipment & tools
4. In-house NABL accreditation Labs (Certificate No. TC-5563)
5. CMMI Level 3 Certification
6. Registered MSME & NSIC Unit
7. Product approval from BIS and registration in GeM
8. Diversified product portfolio and an in-house R&D team for further product development
9. Company has approvals in various state utilities for DDUGJY, Saubhagya schemes etc.

The company has a dedicated team of professionals from the Metering and Power Domain in India having strong contacts with Indian Electricity Boards/ Utilities, System Integrators and EPC contractors. The company has supplied meters to government utilities through the leading EPC contractors.

SYSTEM LEVEL SOLUTIONS (INDIA) PVT. LTD.

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Contact Person: Anirudh Amin, Business Development

Company Profile

System Level Solutions is an integration specialist providing the most innovative creative solutions spanning intellectual property, hardware/ software design, and manufacturing. SLS provides a wide range of specialized design tools, IP cores, and products to help you achieve a winning product, and get it to market rapidly. Let SLS enhance and expedite your design.

UL ELECTRODEVICES PVT. LTD.

UL GROUP Nothing's Complex

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Company Profile

UL Electrodevices Pvt Ltd is a well-known brand as VALUE ADDED RESELLER of products, services & solutions for INDUSTRIAL CONNECIVITY; INTERFACING; COMMUNICATION & ENGINEERING. Latest technologies are supported through Technology Experts as well as Regional Field Sales Team and Chanel Partners across India. This helps us to virtually connect every customer locally. Our value added relationship & strong bond thereof with our supplying partners gives us edge to serve our customers with updated knowledge on various high end technologies involved in automation, engineering, communication and networking. With our over 20 years' experience in Indian market & strong bonding with customers help us to readily reach over 10000 contacts from more than 4000 private, public and government owned corporates across all industry sectors spread throughout the country, anytime when we desired to introduce New & Innovative Products & Technologies or New relationship.

WATERFALL SECURITY SOLUTIONS

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Company Profile

Waterfall Security Solutions is the global leader in industrial cybersecurity, protecting critical industrial networks since 2007. Our mission is to revolutionize how entire industries protect physical assets and industrial processes from cyber-attacks. Waterfall's patented, unidirectional products enable safe IT/OT integration, remote monitoring and diagnostics, cloud connectivity and tamper-proof forensics, without the vulnerabilities that always accompany firewalled connectivity.

The company's growing list of customers includes national critical infrastructures and utilities, power plants, nuclear plants, offshore platforms, refineries, pipelines, pharmaceutical, chemical and manufacturing plants, and many more. Deployed world-wide, Waterfall products support the widest range of industrial and remote monitoring platforms, applications, databases and protocols in the market.

As a global leader in industrial control system security, Waterfall contributes routinely to national and international standards, best practice guidance and control system security educational programs. As a result, our products are widely recognized as simplifying compliance with security regulations, standards and best practices.

YITRAN TECHNOLOGIES LTD.

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Contact Person: Avner Matmor, CEO

Company Profile

Yitran Technologies is a fabless semiconductor company that designs, develops and markets highly robust, low cost PLC integrated circuits. Yitran is a leading provider of cutting edge communication technology for command and control applications including Energy Management, Automatic/Remote Meter Reading, Home/Building Automation, Switching and Lighting, HVAC Control, Street Light control and more.

Supporting Organisations











































































Supporting Media Partners



India
SMART UTILITY
Week 2021

02 - 06 March 2021

New Delhi, India

2nd March 2021 Tuesday	3rd March 2021 Wednesday	4th March 2021 Thursday	5th March 2021 Friday	6th March 2021 Saturday
Master Classes Parallel Events Cultural Tours (Optional)	Conference & Exhibition Welcome Reception	Conference & Exhibition	Conference & Exhibition ISGF Innovation Awards 2021 & Gala Dinner	Technical Tours Cultural Tours (Optional)

ISUW 2021

International Conference and Exhibition on Smart Utilities for Smarter Cities

www.isuw.in

Organiser

ISGF
India Smart Grid Forum

ISUW 2020: Key Partners

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TATA POWER-DDL

TATA POWER

CO-HOST UTILITIES

BSES Rajdhani Power Limited

BSES Yamuna Power Limited

CESC LIMITED

HOST UTILITIES (GAS)

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ABB

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SEW SMART ENERGY WATER

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G3-PLC Alliance

ORACLE Utilities

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