



India SMART UTILITY Week 2022

02 - 04 March 2022 | Digital Platform

www.isuw.in

8th International Conference and Exhibition on
Smart Energy and Smart Mobility



ORGANISER

ISGF
India Smart Grid Forum

ISUW 2022 SUPPORTING MINISTRIES


Ministry of Power
Government of India


नीति आयोग
National Institution for
Transforming India


Ministry of Housing and Urban Affairs
Government of India


Ministry of Jal Shakti
Government of India


Ministry of Environment
Forest and Climate Change
Government of India

ISUW 2022 HOST UTILITIES

BSES
BSES Rajdhani Power Limited

BSES
BSES Yamuna Power Limited

 **INDRAPRASTHA GAS LIMITED**
an ISO 9001, ISO 14001 & OHSAS 18001 certified company


TATA POWER


TATAPOWER-DDL

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8th India Smart Utility Week 2022

An Outstanding International Conference and Exhibition held virtually with Participants from Sixty-One Countries

02 - 04 March 2022, Digital Platform



The 8th edition of ISGF's flagship Annual Event, the India Smart Utility Week (ISUW) 2022, an International Conference and Exhibition on Smart Energy and Smart Mobility held from 02 - 04 March 2022 on a 3D Virtual Platform. ISUW 2022 has witnessed participation of Visionary Leaders, Utility CEOs, Regulators, Policy Makers and Subject Matter Experts from 61 Countries. From the overwhelming feedbacks we received, ISUW 2022 was an astounding success attended by 2744 Delegates including 740 Utility Officials from India and Overseas and 396 eminent Speakers shared their knowledge and ideas.

ISUW 2022 provided an effective platform for virtual interactions during sessions on varied themes such as Digitalization of Utilities and Digitalization Roadmaps; Regulations for the Evolving Green Grid of the 21st Century; Cyber Security for the Digitalized Grids; Power System Flexibility; Electric Vehicles and the Electric Grid and Grid Integrated Vehicles (GIV); Green Hydrogen Mission; Disruptive Technologies and Innovations for Utilities. Special plenary sessions were held on "Evolving Architecture of the 21st Century Grid with Two-Way Power Flows" and "Role of Media in Promotion of Green Energy and Energy Transition to Net Zero". ISUW 2022 also had 12 Focused Workshops and Roundtables on topics such as Empowering Women in Power and Water Sectors (In Partnership with WePOWER); Workshop on Optimization of Levelized Cost of Green Energy (In Partnership with Schneider Electric); Smart Communication Solutions for Smart Utilities and Smart Cities (In partnership with Telecommunications Standards Development Society, India (TSDSI) and Telecommunication Engineering Centre (TEC)); Workshop on Live Line Maintenance in Utilities (In Partnership with Hot Line Training Centre and Altec, Inc); Interconnection of Regional Grids in Asia (In Partnership with European Union, SARI/EI, IRADe and USAID); Smart Metering – Rollout Challenges, System Integration Architecture, Smart Meter Operations Centre (SMOC); Electric Cooking (In partnership with Bureau of Energy Efficiency (BEE) and Climate Parliament) ; Urban Air Mobility Systems Pilots in India (In Partnership with Boeing); Adoption of District Cooling Systems in India (In Partnership with Bureau of Energy Efficiency (BEE) and Asia Pacific Urban Energy Association (APUEA)). Seminars were conducted on Smart City Gas Distribution (In Partnership with Natural Gas Society and India CGD Forum) and Smart Water Distribution. Also, top rated 25 Technical Papers were presented by respective authors. Bi-Lateral Smart Grid workshops with European Union, USA (In partnership with US Commercial Services; USAID and USIBC) and Germany (In Partnership with GIZ, Germany) were conducted at ISUW 2022. The event also witnessed Inspirational Talks by Celebrity Speakers such as Anita Sengupta, Professor of Astronautics and Founder and Chief Executive Officer of Hydroplane Ltd on the "Future of Electric Planes and Power Systems" hosted by Shoma Chaudhury, Senior Journalist; Talk by Michael Potter, Founder, Geeks Without Frontiers and Senior Fellow, International Institute of Space Commerce on "Accelerating Humanity as a Multiplanetary Species"; and Talk by Samer El Sayary, Architect and Researcher of Outer Space Architecture on "Project Lunar Oasis - Architecture and Energy Systems for Space Colonization". The Valedictory Session was conducted in hybrid format with along 6th edition of ISGF Innovation Awards. This year ISGF Innovation Awards were conferred on 39 outstanding innovations and individuals under 12 categories out of 129 nominations received. These awards are given to recognize and promote some of the outstanding innovations by utilities, technology providers start-ups and Visionary Leaders.

ISUW 2022: AT A GLANCE

02 March 2022
Wednesday

Conference &
Exhibition

03 March 2022
Thursday

Conference &
Exhibition

04 March 2022
Friday

Conference &
Exhibition

ISGF Innovation Awards: 04 March 2022

ISUW 2022: KEY HIGHLIGHTS



2744

Participants



61

Countries



5

Supporting
Ministries

13



Supporting
Organisations

19



Supporting
Media Partners

19



Key Partners



24

Exhibitors



396

Speakers



3

Inspirational
Talks by
Celebrities

8



Thematic
Sessions

2



Special
Plenary
Sessions

3



Bi-lateral
Workshops



3

Focused
Workshops



4

Seminars



5

Roundtables

740



Participants
from Utilities

58



Technical
Papers
Published

25



Technical
Papers
Presented

ISGF
Innovation
Awards



12

Award
Categories



39

Winners



2

Winners for
Prestigious
ISGF
President's
Award

ISUW 2022: INAUGURAL SESSION

02 MARCH 2022: 11:30-13:30 Hrs (IST)



Bhagwanth Khuba
Hon'ble Minister of State for New
and Renewable Energy, Chemicals
and Fertilizers,
Govt of India



HE Ugo Astuto
European Union
Ambassador to India



Ashok Lavasa
Vice-President
Asian Development Bank (ADB)



Gauri Singh
Deputy Director-General
International Renewable
Energy Agency



Richard Schomberg
President
RJSenergy, EDF Fellow and
IEC Special Envoy for Smart
Electrification



Praveer Sinha
Managing Director and CEO
Tata Power Company Ltd



Jean-Michel Glachant
Director
Florence School of
Regulation



Debasish U Banerjee
Managing Director
CESC Limited



Amal Sinha
Executive Director
BSES Rajdhani Power
Ltd & BSES Yamuna
Power Ltd



Deepti V Dutt
Head – Strategic
Initiatives Public Sector
Amazon Internet
Services Pvt Ltd



N Venu
MD & CEO
India and South Asia
Hitachi Energy



Reji Pillai
President
India Smart Grid Forum
Chairman
Global Smart Energy
Federation



Reena Suri
Executive Director
India Smart Grid Forum

ISUW 2022 Conference and Exhibition was inaugurated on 2nd March 2022. The inaugural address was delivered by Hon'ble Minister of State for New and Renewable Energy, Chemicals and Fertilizers, Shri Bhagwanth Khuba. The dignitaries present at the inaugural ceremony were Richard Schomberg, President - RJSenergy, EDF Fellow and IEC Special Envoy for Smart Electrification; Debasish U Banerjee, Managing Director, CESC Limited; N Venu, Managing Director and Chief Executive Officer, India and South Asia, Hitachi Energy; Deepti V Dutt, Head – Strategic Initiatives, Public Sector, AWS India (AISPL); Amal Sinha, Executive Director, BRPL and BYPL; Jean-Michel Glachant, Director, Florence School of Regulation; Praveer Sinha, Managing Director and Chief Executive Officer, Tata Power Company Ltd; Gauri Singh, Deputy Director General, International Renewable Energy Agency; HE Ugo Astuto, European Union Ambassador to India; Ashok Lavasa, Vice-President - Private Sector Operations and Public-Private Partnerships, Asian Development Bank (ADB); Reji Kumar Pillai, President, ISGF and Chairman, GSEF; and Reena Suri, Executive Director, ISGF.

ISUW 2022: CONFERENCE THEMATIC SESSIONS GLIMPSES

SESSION - 1: DIGITALIZATION OF UTILITIES AND DIGITALIZATION ROADMAPS

02 MARCH 2022 | 14:00-16:00 Hrs (IST)



Ravinder Singh Dhillon
Chairman &
Managing Director
Power Finance Corporation
Ltd



Richard Schomberg
President –RJSenergy
President, EDF Fellow, and
IEC Special Envoy For Smart
Electrification



Mark McGranaghan
EPRI Fellow and VP
– Power Delivery and
Utilization
EPRI



Gideon Friedmann
Acting Chief Scientist
Israel Ministry of Energy



M Sivalingarajan
Director - Distribution
TANGEDCO



Robert Denda
Chief Executive Officer,
Gridpertise - Enel, Italy



Sanjay Banga
President
Tata Power Company Ltd



Avinash Haware
Chief General Manager – IT
Maharashtra State Electricity
Distribution Company Ltd



Manu Maudgal
Director
Clean Power Programme,
Shakti Sustainable
Energy Foundation



Deepti V Dutt
Head
Strategic Initiatives,
Public Sector, Amazon
Internet Services Pvt Ltd



Murali Krishna Gannamani
Managing Director and CEO
Fluentgrid Ltd



George Hunt
Chief Strategy Officer
Smart Energy Water

SESSION - 2: REGULATIONS FOR THE EVOLVING "GREEN GRID" OF THE 21ST CENTURY 02 MARCH 2022 | 16:00-18:00 Hrs (IST)



Shabihul Hasnain Shastri
Chairman, Delhi Electricity
Regulatory Commission



Rahul Tongia
Senior Fellow
CSEP



RP Singh
Chairman
Uttar Pradesh Electricity
Regulatory Commission



Neil Chatterjee
Former Chairman, Federal Energy
Regulatory Commission, USA



Keisuke Sadamori
Energy Markets & Security Director
International Energy Agency



Jean-Michel Glachant
Director
Florence School of Regulation



Ganesh Srinivasan
Chief Executive Officer
Tata Power Delhi Distribution Ltd



Rajat Sarawat
Executive Director
Economic Regulation Authority



RN Sen
Former Chairman
West Bengal Electricity
Regulatory Commission



Harry Dhaul
Director General
IPPAI

SESSION - 3: CYBER SECURITY FOR THE DIGITALIZED GRIDS 03 MARCH 2022 | 11:30-13:30 Hrs (IST)



Navin Kumar Singh
Director General, National
Critical Information
Infrastructure Protection
Centre (NCIIPC)



MAKP Singh
Chief Engineer- IT,
Central Electricity
Authority



B Sainath
Senior Solutions Architect
- Utilities
Amazon Internet Services
Pvt Ltd



Kishor Narang
Founder, Narnix
Technolabs Pvt. Ltd.



Yosi Shneck
Cyber Entrepreneurship
& Business Development,
Israeli Electric Corporation



AB Sengupta
Chief Information
Security Officer
POSOCO



PK Agarwal
Former Director and
CISO, POSOCO Ltd



Andrew Ginter
Vice President
Waterfall Security
Solutions



Ahmad Khan
Senior Vice President
Hitachi Energy India Ltd



Aswini Vadapalli
Associate Product
Manager
Fluentgrid Ltd



Amair Hussain,
HoG- Cyber Security
Tata Power Delhi
Distribution Ltd



Shaleen Khetarpaul
Assistant Vice President
BSES Rajdhani Power
Limited



Alina Kuzmich
Technical Analyst &
Head of EV Solutions
Power Transition Ltd



Anand Shankar
Chief GM (Information
Security)
Power Grid Corporation
of India Limited

SESSION - 4: POWER SYSTEM FLEXIBILITY 03 MARCH 2022 | 14:00-16:00 Hrs (IST)



Mukesh Khullar
Member
Maharashtra Electricity
Regulatory Commission



SR Narasimhan
CMD
POSOCO



Pablo Hevia-Koch
Energy Analyst – RISE
IEA



Mark McGranaghan
EPRI Fellow and VP
EPRI



Rajil Srivastava
Chief General Manager
Powergrid Corporation of
India Limited



Yves Barlier
Head
Smart Grid Division
Enedis



Luc Wanniarichhi
Director
EDF International
Network India



Saji S
Senior Vice President
Hitachi Energy India
Limited



Klaus Kansala
Principal Scientist
VTT



Dwijadas Basak
Chief - Commercial
Tata Power Delhi
Distribution Ltd



Gerhard Gamperl
Director – Corporate
Development
Verbund AG



Saul Matthews
Commercial Director
Synaptex, UK



Nilesh Kane
Head - Distribution
Tata Power
Company Ltd



BB Mehta
Director
Odisha Power
Transmission
Corporation Ltd



Alan Gooding
Executive Vice
President, Smarter Grid
Solutions, UK

SESSION - 5: ELECTRIC VEHICLES AND THE ELECTRIC GRID; AND GRID INTEGRATED VEHICLES (GIV) | 03 MARCH 2022 | 16:00-18:00 Hrs (IST)



Naresh Sardana
Member
Haryana Electricity Regulatory Commission



Sajid Mubashir
Chair of BIS Committee for
EVSE Standards; and Scientist-G
Department of Science and Technology



Rajit Gadh
Professor and Director, Smart
Energy Research Centre, UCLA
and Co-Founder, MOEV Inc.



Randheer Singh
Director - Electric Mobility
NITI Aayog



Makoto Dave Yoshida
Secretary General
CHAdeMO Association



Sameer Pandita
Director
Bureau of Energy Efficiency



SL Karwadiya
Executive Director
MPPKVNL



George Hunt
Chief Strategy Officer
Smart Energy Water



Sandeep Bangia
Head, EV and Home
Automation Division
Tata Power Company Limited

SESSION - 6: GREEN HYDROGEN MISSION 04 MARCH 2022 | 11:30-13:30 Hrs (IST)



Reji Kumar Pillai
President - India Smart Grid Forum
Chairman - Global Smart Energy
Federation



KR Jyothilal
Principal Secretary
Transport, Kerala



Anand Vasudevan
Founder & CEO
Spotimize Energy & Mobility Inc



Praveen Cheekatamarla
Senior Research Scientist
Oak Ridge National Laboratory



Anurag Pandey
Leader-RIL Hydrogen Initiative
Reliance Industries Limited



Derek M Shah
Senior VP and Head
L&T



RK Malhotra
President
Hydrogen Association of
India and Former Director
Indian Oil Corporation Ltd



Akshay Bhardwaj
GM- Hydrogen Business
ACME



Akilur Rahman
Chief Technology Officer
Hitachi Energy India Limited



Sushil Kumar
Deputy General Manager
Gas Authority of India Ltd.
(GAIL)

SESSION - 7: DISRUPTIVE TECHNOLOGIES AND INNOVATIONS FOR UTILITIES 04 MARCH | 14:00-16:00 Hrs (IST)



Tripta Thakur
Director General
National Power Training Institute



Reena Suri
Executive Director
India Smart Grid Forum



Gemma Green
Founder & CEO,
Power Ledger



Mirco Kildani
Head of Global Commercial
Support, ROW, Gridspertise
(ENEL)



S Samanta
Chief Technology Officer
Tata Power Delhi Distribution
Ltd



Amit Kumar Pandey
Co-Founder
BeingAI



Rajib Das
Deputy General Manager
CESC Limited



Ashutosh Natraj
Founder & CEO
Vidrona



Sumit Gupta
Mentor & Co Founder
AssetPlus Consulting



Dharmendra Sharma
Research Scientist
VIT



M Fujiwara
Division Manager &
Executive Officer, Overseas
Business Development, DG
Capitalgroup Co Ltd

SPECIAL PLENARY - 1: EVOLVING ARCHITECTURE OF THE 21ST CENTURY GRID WITH TWO-WAY POWER FLOWS | 02 MARCH 2022 | 19:00-21:00 Hrs (IST)



Ravi Seethapathy
Chair, ISGF WG on RE and
Microgrid; and Chairman
Biosirus Inc



Mani Vadari
President
Modern Grid Solutions



Andres Carvallo
CMG Consulting



Saifur Rahman
President
IEEE



Mark McGranaghan
EPRI Fellow and VP Power
Delivery and Utilization, EPRI



Luciano Martini
Chair-Executive Committee
ISGAN



Andrew Dicker
Accenture



Anjan Bose
Regents Professor
Washington State University



Subir Sen
Executive Director
Powergrid Corporation of India



Kenneth Budka
Senior Partner
Bell Labs Consulting, Nokia

SPECIAL PLENARY - 2: ROLE OF MEDIA IN PROMOTION OF GREEN ENERGY AND ENERGY TRANSITION TO NET ZERO | 04 MARCH 2022 | 16:30-17:30 Hrs (IST)



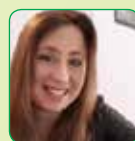
Reji Kumar Pillai
President
India Smart Grid Forum
Chairman
Global Smart Energy Federation



Utpal Bhaskar
Chief of Bureau
Mint



Swati Khandelwal
Executive Editor
Zee Business



Agnese Cecchini
Director
Editorial Group Italia Energia



Rajeev Kumar
Danik Jagaran

GLIMPSES OF WORKSHOPS

11TH EU-INDIA SMART GRID WORKSHOP PART-A (IN PARTNERSHIP WITH EUROPEAN UNION) | 02 MARCH | 13:30-15:00 Hrs (IST)



Reji Kumar Pillai
President - India Smart
Grid Forum
Chairman - Global Smart
Energy Federation



Florian Ermacora
Head of Units –
International
European Commission



Amal Sinha
Executive Director
BSES Rajdhani Power Ltd &
BSES Yamuna Power Ltd



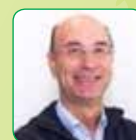
Jean-Michel Glachant
Director
Florence School of
Regulation



AK Mishra
Director
National Smart Grid
Mission



Swetha Ravi Kumar
Head of FSR Global
Florence School of
Regulation



**Tomas Gomez San
Roman**
Professor
Comillas University



Suddhasatta Kundu
Senior Manager
India Smart Grid Forum



Anjali Chandra
Member
Punjab Electricity
Regulatory Commission



Anoop Singh
Professor
Indian Institute of
Technology, Kanpur



Debajit Palit
Director - Rural Energy
The Energy Resource
Institute



Ganesh Das
Chief - Strategy
Tata Power Delhi
Distribution Ltd



Matthieu Craye
Director General
Energy
European Commission

11TH EU - INDIA SMART GRID WORKSHOP – PART B (IN PARTNERSHIP WITH EUROPEAN UNION) | 03 MARCH | 14:00-17:00 Hrs (IST)



Edwin Koekkoek
First Counsellor,
Energy & Climate
Action, Delegation
EU to India



Reji Kumar Pillai
President - India
Smart Grid Forum
Chairman - India
Smart Grid Forum



Ganesh Srinivasan
Chief Executive
Officer
Tata Power Delhi
Distribution Ltd



Matthieu Craye
Director General
European
Commission



Thomas N. Mikkelsen
Chief Executive
Officer & Founder
Geco Global



Ganesh Das
Chief - Strategy,
Collaborations,
Innovation and R&D
Tata Power Delhi
Distribution Ltd



Paul Tobin
Behavioural
Scientist, Smart
Innovation
Norway



Birgitte Bak-Jensen
Professor
AAU Energy



Sunil Sharma
Deputy General
Manager
BSES Yamuna
Power Ltd



Pierre-Jacques le Quellec
Project Director
Enedis



Nikos Hatzigargyriou
Professor
National Technical
University of
Athens



Dilip Rozeekar
Chief General
Manager
Powergrid
Corporation of India



Isabelle Gerkens
Head Regulatory,
Market Design
& Contract
Management,
Elia Grid
International



Vikram Gandotra
Head Utility –
Sales & Strategy
Siemens Ltd



Rajendra Mistri
Chief Project
Officer
Gujarat Power
Company Ltd



Akilur Rahman
Chief Technology
Officer
Hitachi Energy
India limited



Sabrina Hastings Mela
Communications
Officer
EASE



Minna Kuivalainen
Behavioural
Scientist
Smart Innovation
Norway

1ST GERMANY – INDIA SMART ENERGY WORKSHOP (IN PARTNERSHIP WITH GIZ, GERMANY) | 02 MARCH | 15:00-17:30 Hrs (IST)



Reena Suri
Executive Director
India Smart Grid Forum



Markus Wypior
Director
GIZ



Vishal Kapoor
Joint Secretary
Ministry of Power



Stephan Hesselmann
Economic Minister Counsellor
Embassy of Germany



Marcus Merkel
Senior Strategy Manager
EWE AG



Anurag Johri
Managing Director and Lead - Utilities
Accenture



Sebastian Lehnhoff
Chairman of the Board
OFFIS Institute for IT



Eckehard Tröster
Managing Director and Senior
Consultant
Energyautics GmbH



Tobias Winter
Director
Indo – German Energy Forum

WORKSHOP - EMPOWERING WOMEN IN THE POWER AND WATER SECTORS IN PARTNERSHIP WITH SOUTH ASIA WOMEN IN POWER SECTOR PROFESSIONAL NETWORK (WEPOWER) 02 MARCH | 17:30-19:30 Hrs (IST)



Reena Suri
Executive Director
India Smart Grid Forum



Dr. Tripta Thakur
Director General
National Power Training
Institute



Gunjan Gautam
Energy Specialist
The World Bank



Pranav Vaidya
Senior Energy and Social
Sustainability Consultant
World Bank



Yukari Shibuya
Senior Youth & Gender
Specialist
World Bank



Presenter Clare Novak
International HR
Consultant Novak and
Associates



Vineeta Agarwal
Chief General Manager
Powergrid Corporation
of India



Samarjit Mohanty
CEO
Feedback Energy
Distribution Company
Limited



Heruka Zangpo
Bhutan Power
Corporation Limited



Sohail Ahmad
Managing Director
Grameen Shakti
Bangladesh



Himali Zoysa
Deputy General Manager
Ceylon Electricity Board
Sri Lanka



Lanka Perera
Electrical Engineer
Ceylon Electricity Board
Sri Lanka



Rebecca Wheeler
Senior Manager
International American
Water Works Association



Ronkini Shome
Senior Manager
India Smart Grid Forum

WORKSHOP ON OPTIMIZATION OF LEVELIZED COST OF GREEN ENERGY (IN PARTNERSHIP WITH SCHNEIDER ELECTRIC) | 03 MARCH | 11:00-13:00 Hrs (IST)



Prabir Neogi
Chief Advisor, Corporate Affairs
RP-Sanjiv Goenka Group



Anil Kumar Kadam
Sr.GM-Sol'n Architect
Schneider Electric



Srinivas Jampani
Senior Vice President
Greenko



Manoj Kumar Upadhyaya
Deputy Advisor - Energy
NITI Aayog



Abhishek Ranjan
Sr VP Strategy
Renew Power



Ketan Dave
Head of engineering
Adani Green Energy Limited



Rajeev Gyani
Additional Director (Renewable
Energy), ISA



Rahul Walawalkar
President and MD; Customized
Energy Solutions (India)

8TH US - INDIA SMART GRID WORKSHOP (IN PARTNERSHIP WITH US COMMERCIAL SERVICES; USAID AND USIBC) 03 MARCH | 18:00-21:00 Hrs (IST)



Apurva Chaturvedi
Senior Clean Energy
Specialist, USAID/India



Rahul Tongia
Senior Fellow
CSEP



Reji Kumar Pillai
President
India Smart Grid Forum
Chairman
Global Smart Energy Federation



Jing Liu
Commercial Officer
USDOC



Vishal Kapoor
Joint Secretary -
Distribution, Ministry of
Power



Saurav Shah
Executive Director
(IPDS), Power Finance
Corporation



Anil Rawal
MD and CEO
IntelliSmart



Ashutosh Natraj
Founder And CEO
Vidrona



Greg Myers
Vice President
Trilliant Networks



Vish Ganti
Vice President
AutoGrid



Viral Patel
Vice President
SenseHawk



Sabyasachi Pattanaik
Director- Oracle Utilities



Ganesh Das
Chief Collaborations
Innovations and R&D
Tata Power Delhi
Distribution Ltd



Jing Lu
Commercial Officer
USDOC



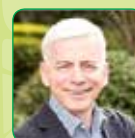
Raghvendra Upadhyaya
Policy Director, U.S.-India
Business Council



Girish Ghatikar
ISGF Advisor and Thought
Leader in Electrification and
Decarbonization



Paramita Sahoo
Head Advocacy
The Tata Power Company Ltd



Brian Selby
General Manager
GE Renewable Energy



Renie Subin
Senior Commercial Specialist
U.S. Commercial Service



Randheer Singh
Director - Electric Mobility
NITI Aayog



Yashwanth Mahadevan
Director – Sales (APAC &
Middle East), EOS Energy
Storage



Ganesh Srinivasan
Chief Executive Officer
Tata Power Delhi Distribution Ltd

WORKSHOP ON LIVE LINE MAINTENANCE IN UTILITIES
(IN PARTNERSHIP WITH HOT LINE TRAINING CENTRE (HLTC), NPTI AND ALTEC, INC)
04 MARCH I 11:00-13:30 Hrs (IST)



NK Shrivastava
Director
Hot Line Training Centre



Timothy Dean Self
Vice President
ALTEC, INC



Umesh Kumar Gupta
Vice President, Protection
BSES Rajdhani Power Ltd



BN Krishnamurthy
General Manager-IT
Bangalore Electric Supply
Company Ltd



SL Karwadiya
Executive Director
Madhya Pradesh Poorv
Kshetra Vidyut Vitaran
Company Ltd

GLIMPSES OF ROUNDTABLES

**ROUNDTABLE - 1: INTERCONNECTION OF REGIONAL GRIDS IN ASIA (IN PARTNERSHIP
WITH EUROPEAN UNION, SARI/EI, IRADE AND USAID)**
02 MARCH 2022 I 15:00-18:00 Hrs (IST)



Reji Kumar Pillai
President
India Smart Grid Forum
Chairman
Global Smart Energy Federation



Narendra Taneja
World Energy Policy Institute



Ghanshyam Prasad
Joint Secretary
Ministry of Power, Gol



Pankaj Batra
Former Chairman
CEA and Project Director,
IRADE



SR Narasimhan
Chairman and Managing
Director
POSOCO



Bikram Singh
Executive Vice President
PTC India Ltd



Jyoti Parikh
Chairperson
IRADE



Philippe Lienhart
Project Manager OSOWOG
EDF-France



Mohammad Hussain
Director General – Power Cell &
Power Division, Bangladesh Power
Development Board



SK Soonee
Former Advisor & Former CEO
POSOCO



Akilur Rahman
Chief Technology Officer
Hitachi Energy India Limited



Pankaj Batra
Former Chairman
CEA
Project Director
IRADE



KVS Baba
Former CMD
POSOCO



Matthieu Craye
Director General
ENERGY
European
Commission



Rajesh Kumar
General Manager
CTUL
Powergrid



Beni Suryadi
Manager
ASEAN Centre for
Energy (ACE)



**Randi
Kristiansen**
Economic Affairs
Officer, UNESCAP



Jiwan Acharya
Principal Energy
Specialist
ADB



Monali Z Hazra
Regional Energy
Manager and Clean
Energy Specialist
USAID

**ROUNDTABLE - 2: SMART METERING - ROLLOUT CHALLENGES, SYSTEM INTEGRATION
ARCHITECTURE, SMART METER OPERATIONS CENTRE (SMOC)**
03 MARCH 2022 I 10:45-13:45 Hrs (IST)



Reji Kumar Pillai
President
India Smart Grid Forum
Chairman
Global Smart Energy Federation



R Lakshmanan
Executive Director, REC and
Chief Executive Officer
RECPDCL



Anant Venkateswaran
India Smart Grid Forum



Rajesh Bansal
Chief Executive Officer
BSES Yamuna Power Ltd



Saurav Kumar Shah
Executive Director
Power Finance Corporation

ROUNDTABLE - 2: SMART METERING – ROLLOUT CHALLENGES, SYSTEM INTEGRATION ARCHITECTURE, SMART METER OPERATIONS CENTRE (SMOC) 03 MARCH 2022 | 10:45-13:45 Hrs (IST) CONTINUED



Jorge Herrera
Head – Smart Metering
Gridspertise



Pritam Muppuri
Manager and Solution Architect
AWS India (AISPL)



Manjeet Singh Rahi
Vice President - Power & Utilities
Fluentgrid Ltd



RP Singh
Vice President
APAC and Middle East Region
Smart Energy Water



Anil Rawal
Managing Director
IntelliSmart



Ajoy Rajani
India Smart Grid Forum



Kaveh Razaeen
CTO
Energy and Telecom,
Sagemcom / G3-PLC
Alliance



Phil Beecher
WISUN Alliance



Teppo Hemia
Partner and Chief
Executive Officer
Wirepas



Anand Srivastava
General Manager
Landis & Gyr



Vikas Kashyap
India Smart Grid Forum



Ramit Malhotra
Associate Director
KPMG



AK Mishra
Director
National Smart Grid
Mission



Yogesh Kumar
Nodal Officer – Smart
Metering
Uttar Pradesh Power
Corporation Limited



Rohit Pareek
Vice President
Abjayon



Chandha Neupane
Project Director
Nepal Electricity
Authority



DS Chauhan
Superintending Engineer
MPPKVCL- Indore

ROUNDTABLE - 3: ELECTRIC COOKING (IN PARTNERSHIP WITH BUREAU OF ENERGY EFFICIENCY AND CLIMATE PARLIAMENT) 03 MARCH 2022 | 14:30-16:30 Hrs (IST)



Reena Suri
Executive Director,
India Smart Grid
Forum



Sanjay Kumar
Honorary Advisor
Climate Parliament



Rajnath Ram
Advisor (Energy)
NITI Aayog



Simon Batchelor
Modern Energy Cooking
Services



Shalu Agrawal
Senior Program Lead
Council on Energy,
Environment and Water



Simon Batchelor
Modern Energy Cooking
Services



Shalu Agrawal
Senior Program Lead
Council on Energy,
Environment and
Water



Chandan Singh
Head - Customer
services
TP Central Odisha
Distribution Ltd



Rajendra Sethiya
Chief-Operations
Tata Power Ajmer
Distribution Ltd



Suman Kalyani
CGM-Planning
Andhra Pradesh
Eastern Power
Distribution Company
Limited



Vimal Kumar
Modern Energy
Cooking Services



KG George
Senior Vice President
- Retail and Alternate
Channels Prestige

ROUNDTABLE - 4: URBAN AIR MOBILITY SYSTEMS (UAM)
(IN PARTNERSHIP WITH BOEING)
03 MARCH 2022 | 11:00-13:00 HRS (IST)



Pattada Kallappa
Director
Boeing India Engineering
and Technology Centre



Amber Dubey
Joint Secretary (AD)
Ministry of Civil Aviation



Smit Shah
President
Drone Federation of India



Satya Chakravarthy
Professor
IIT Chennai



Amit Ganjoo
Founder and Chief
Executive Officer
ANRA
Technologies



Yogesh R Iyer
Founder and CEO
VINATA
Aeromobility



Rajkumar Sharma
President
All India Council
for Robotics and
Automation



Ajit V Mate
Lead System Engineer
Air Traffic
Management,
Boeing India Pvt Ltd



OD Naidu
Global R&D - APTSPULU
Hitachi Energy India
limited



Seyed Mohseni
Founder and CEO
SAND Aerospace

ROUNDTABLE - 5: ADOPTION OF DISTRICT COOLING SYSTEMS IN INDIA
(IN PARTNERSHIP WITH BUREAU OF ENERGY EFFICIENCY AND APUEA)
03 MARCH 2022 | 14:30-16:30 Hrs (IST)



Reji Kumar Pillai
President
India Smart Grid Forum
Chairman
Global Smart Energy Federation



Arijit Sengupta
Director
Bureau of Energy Efficiency



Peter Lundberg
Executive Director
APUA



Rajeev Sharma
VP-Eng. & Construction
GIFT City



Ritika Jain
Senior Program Manager
Shakti Sustainable
Energy Foundation



Ganesh Das
Chief Strategy,
Collaboration & Innovation
Tata Power Delhi Distribution Ltd



Vikram Murthy
Chair-District Cooling
ISHRAE



Markus Wypior
Director
GIZ



Rahul Agnihotri
Coordinator
UN Environment Programs



Prameet Gupta
Lead Business Development
Tabreed

GLIMPSES OF SEMINARS

SMART CITY GAS DISTRIBUTION
(IN PARTNERSHIP WITH NATURAL GAS SOCIETY AND INDIA CGD FORUM)
03 MARCH 2022 | 11:00-13:30 Hrs (IST)



DV Shastry
Executive Director
Natural Gas Society



Raman Chadha
CEO
Gail Gas Limited



Sandeep Trehan
Founder & President
Think Gas



Rajiv Sikka
Ex-CEO
Indian Oil Adani Gas
Limited



Amitabh Ranjan
Deputy General Manager
Gail (India) Limited



Deepak Mehta
Head - BD
Indian Gas Exchange

GLIMPSES OF SEMINAR Smart City Gas Distribution..... (Continued)



Sumit Gupta
Mentor and
Co- Founder, Asset
Plus Consulting



G. Chakraborty
Executive Director
(CGD)
Gail (India) Limited



S. Murali
Sr. Vice President (O&M)
MGL



Debraj Bose
Regional Sales Leader
Smart Energy Water



Vivek Pathak
Business Head (Gas)
Secure Meters



Mandar Patil
Manager,
Solutions Architect
Amazon Web Services



Anuradha Beri
Managing Director
KIGG Systems India
Pvt Ltd.



Raman Chadha
CEO
GAIL Gas Ltd



Dharmendra Tomar
Associate Director
Tata Communications Ltd



Davinder Singh
Manager (ZIC - NOIDA)
Indraprastha Gas Limited



Brajesh Kumar
Senior EVP
BSES Yamuna Power Ltd

SMART COMMUNICATION SOLUTIONS FOR SMART UTILITIES AND SMART CITIES (IN PARTNERSHIP WITH TSDSI AND TEC) 03 MARCH 2022 | 17:30-20:00 Hrs (IST)



Reji Kumar Pillai
President
India Smart Grid Forum
Chairman
Global Smart Energy Federation



Satish Jamadagni
Vice Chairman, TSDSI
Vice President
Reliance Jio



Kishore Babu
DDG
Department of Telecommunications,
Ministry of Communications



Dindyal Tosniwal
DDG-NT
Department of Telecommunications,
Ministry of Communications



Ashok Kumar
Director - NTIPRIT
Department of Telecommunications,
Ministry of Communications



Pradeep Hirasave
Product Development
Manager
Reliance Jio



Sanjeev Rana
Head of Group - IT
Tata Power Delhi
Distribution Limited



Jussi Numminen
Vice Chair
ETSI



Amit Chatterjee
Energy Specialist
Intel



Baburaj
Customer Solution Architect
Nokia India



Reena Malhotra
Director
Department of Telecommunications,
Ministry of Communications



Kumud Wadhwa
Senior General Manager
National Smart Grid Mission



Aurindam Bhattacharya
Group Leader
C-DOT



Krishna Sirohi
Professor
Indian Institute of
Technology, Delhi



Amarjeet Kumar
India Regional Coordinator
Wi-SUN Alliance



Kishore Narang
Founder
Narnix

SMART WATER DISTRIBUTION

04 MARCH 2022 | 11:00-13:45 Hrs (IST)



Ramnath Sonawane
Secretary
Maharashtra Water Resources
Regulatory Authority



Pradeep Singh
Director (JJM-IV),
DDWS, Ministry of
Jal Shakti



Ajay Pradhan
Chairman
C2S2



Bhupesh Chowdary
President
JMC Projects



Jayesh Suratwala
Lead Digital Initiatives
Forbes Marshall Pvt Ltd



Arkul Shenoy
Segment Head-
Water and Waste Water,
Schneider Electric



Amit Rajput
Business Development
Manager
Nanostone Water



Sourav Daspatnaik
MD
Swach Environment



Venkatesh Jayaraman
CEO
Bioxgreen Technologies



Nitin Bassi
Program Lead - Water
Council of Energy
Environment and Water



Aabha Sargaonkar
Sr Principal Scientist,
National Environmental Engineering
Research Institute



Reji Kumar Pillai
President
India Smart Grid Forum
Chairman
Global Smart Energy Federation



Sanjoy Roy
CEO
Orange City Water



Vinit Sikka
Sr. Executive Vice President
BSES Rajdhani Power Ltd



Sumit Gupta
Mentor and Co-Founder
Asset Plus Consulting

ISUW 2022 SUPPORTING MINISTRIES



सत्यमेव जयते
Ministry of Power
Government of India



सत्यमेव जयते
नीति आयोग
National Institution for
Transforming India



सत्यमेव जयते
Ministry of Housing and Urban Affairs
Government of India



सत्यमेव जयते
Ministry of Jal Shakti
Government of India



सत्यमेव जयते
**Ministry of Environment
Forest and Climate Change**
Government of India

Host Utilities



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Platinum Partner



ISGF Innovation Awards Partner



Gold Partners



Silver Partners



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ISUW 2022: EXHIBITORS



ISUW 2022: COUNTRY PARTNERS



CONFERENCE SESSIONS PARTNERS



SUPPORTING ORGANIZATIONS



SUPPORTING MEDIA PARTNERS



GLIMPSES OF 3D CONFERENCE AND EXHIBITION



Main Entrance



Main Lobby



Parallel Sessions



Networking Lounge



Awards Ceremony Hall



Plenary Hall



Seminar Hall



Roundtable hall



Bird's Eye View of Exhibition Arena



Bird's Eye View of EU Pavilion

GLIMPSES OF ISGF INNOVATION AWARDS 2022

BEST SMART GRID PROJECT IN INDIA BY UTILITY



*Husk Power Systems
PLATINUM AWARD*



*Tata Power Delhi Distribution Limited
GOLD AWARD*



*Noida Power Company Limited
GOLD AWARD*

BEST SMART GRID PROJECT IN INDIA BY TECHNOLOGY COMPANY



*Vision Mechatronics Private Limited and
Brahmakumaris Om Shanti Retreat Centre
DIAMOND AWARD*



*Hitachi Energy India Limited
PLATINUM AWARD*

SMART TECHNOLOGY (ELECTRICITY GENERATION)



*6Sys3E Technologies Pvt Ltd
SunCaptor - Affordable and highest gain solar PV tracker in the market
GOLD AWARD*

SMART TECHNOLOGY (ELECTRICITY TRANSMISSION)



*The Tata Power Company Limited
DIAMOND AWARD*



*Vidrona Limited
GOLD AWARD*

SMART TECHNOLOGY (ELECTRICITY DISTRIBUTION)



*BSES Yamuna Power Limited
DIAMOND AWARD*



*Tata Power Delhi Distribution Limited
PLATINUM AWARD*



*Tata Power Delhi Distribution Limited
GOLD AWARD*



*BSES Yamuna Power Limited
GOLD AWARD*

SMART TECHNOLOGY (ELECTRICITY RE INTEGRATION)



*Sterlite Power Transmission Limited
PLATINUM AWARD*



*Leap Green Energy Private Limited
PLATINUM AWARD*

SMART TECHNOLOGY (GAS DISTRIBUTION)



Indian Oil Corporation and Smart Energy Water
PLATINUM AWARD



Atpug Plus Consulting Private Limited
GOLD AWARD

EMERGING INNOVATION IN ELECTRIC MOBILITY



MoEVing Urban Technologies Pvt Ltd
PLATINUM AWARD

ADOPTION OF DISRUPTIVE TECHNOLOGY/SOLUTION BY A UTILITY



The Tata Power Company Limited
PLATINUM AWARD



Tata Power Delhi Distribution Limited
GOLD AWARD



The Tata Power Company Limited
GOLD AWARD

ADOPTION OF DISRUPTIVE TECHNOLOGY /SOLUTION BY AN INDUSTRY



*Hitachi Energy India Limited
PLATINUM AWARD*

SMART START-UP OF THE YEAR



*Indian Gas Exchange Ltd
DIAMOND AWARD*

SMART INCUBATOR OF THE YEAR



*Maker Village, Kochi
DIAMOND AWARD*



*TREC-STEP, Trichy and CITIC, Chennai
Smart Incubator of the Year 2021
PLATINUM AWARD*



*NIAM Agri-Business Incubator (NABI) CCS National
Institute of Agricultural Marketing (NIAM)
Smart Incubator of the Year-Agribusiness Incubator
GOLD AWARD*

BEST SURVIVAL EFFORT, BUSINESS CONTINUITY AND INNOVATION TO DEAL WITH CRISIS PERIODS - UTILITY AND INDUSTRY



*TP Central Odisha Distribution Limited
GOLD AWARD*

BEST SURVIVAL STRATEGY AND INNOVATION TO DEAL WITH BUSINESS CONTINUITY FOR UTILITIES DURING CRISIS PERIODS (PANDEMIC/NATURAL CALAMITY) - INDUSTRY



*Hitachi Energy India Limited
GOLD AWARD*

BEST BUSINESS GROWTH AND INNOVATION AMONGST PREVIOUS YEARS ISGF INNOVATION AWARD WINNERS



*Indigram Labs Foundation
Smart Incubator of the Year
GOLD AWARD*

ISGF PRESIDENT'S AWARD



*Pradeep Kumar Sinha, Former Principal
Advisor To Prime Minister, Cabinet Secretary
and Union Power Secretary, Government
of India for the Best Contribution towards
Promotion of Clean Energy and Grid
Modernization*



*National Renewable Energy Laboratory (NREL)
for the Best Contribution towards Promotion
of Clean Energy and Grid Modernization*

Certificates of Merit

Best Smart Grid Project in India by Utility



*Larsen & Toubro Limited Smart World
and Communication BU
Best Smart Grid Project in India by Utility*

Smart Technology (Electricity Transmission)



*The Tata Power Company Limited
Smart Technology (Electricity Transmission)*

SMART TECHNOLOGY (ELECTRICITY DISTRIBUTION)



*Tata Power Delhi Distribution Limited
Smart Technology (Electricity Distribution),
Sanjeevni*

SMART TECHNOLOGY (ELECTRICITY RE INTEGRATION)



*Tata Power Delhi Distribution Limited
Smart Technology (Electricity Distribution),
Drain Valve Less Transformer*

Smart Start-up of the Year



*Fluentgrid Limited
Smart Technology (Electricity Distribution)
Alternate Smart Meter Communication Protocol*



*Ciel et Terre Solar Pvt Ltd
Smart Technology (Electricity RE Integration)
New Innovation in Renewable Energy*



*The Tata Power Company Limited
Adoption of Disruptive Technology/Solution by a
Utility*



*Avrio Energy
Smart Start-up of the Year*



*Delving Research and Development Private
Limited, Smart Start-up of the Year*

REJUVENATION SESSIONS

VIRTUAL YOGA SESSIONS | 03 & 04 MARCH 2022



INSPIRATIONAL TALKS



Talk by Michael Potter, Founder, Geeks Without Frontiers and Senior Fellow, International Institute of Space Commerce



Fire-side Chat with Anita Sengupta, Professor of Astronautics; Founder and CEO of Hydroplane Ltd



Talk by Samer El Sayary, Architect and Researcher on Outer Space Architecture

VALEDICTORY SESSION | 04 MARCH 2022



LIVE BAND



REPORTS RELEASED AT ISUW 2022



ISUW 2022 TECHNICAL PAPER PRESENTATIONS

S. No*	Theme	Title	Name
1	Foundational Blocks for Smart Grids	Validation of smart metering technology	Rajesh Bansal
2	New and Emerging Technologies and Trends	Are Indian homes ready for electric cooking?: Insights from the India Residential Energy Survey (IRES) 2020	Shalu Agrawal
3	Disruptive Innovations for Utilities	Peer To Peer Energy Trading using Blockchain-	Lalit Wasan
4	Regulations for the Evolving Smart Energy Systems	Aggregated Demand Side Flexibility: A Suitable and Cost-Effective Solution for Stabilizing the Power Grid	Florian Kind
5	Regulations for the Evolving Smart Grids Power Systems	Regulatory intervention on Distribution Reform	Rabindra Nath Sen
6	Smart Grids for Smart Cities	Data Analytics enabled Inertia Volatility Assessment of Smart Grid in Enhancing Grid Resiliency in Presence of DER	Surekha Deshmukh

7	Foundational Blocks for Smart Grids	Methodology of smart planning of Distribution transformers with Smart Meters Data	Varun Thakur
8	Disruptive Innovations for Utilities	Power Quality Assessment at Customer Level - TATA POWER-DDL	Ritu
9	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	An Integrated Approach on Transmission Planning Studies for Bulk RE Evacuation in Indian context	Jay Ojha
10	Foundational Blocks for Smart Grids	Implementation of DIGITAL SUBSTATION for Brown Field Project	Loganathan Raman
			R Suresh
11	Foundational Blocks for Smart Grids	Implementation of Smart Pillar Box With Digital Communication in LT Distribution System	Nirvik Biswas
12	Foundational Blocks for Smart Grids	Dynamic Notification Process for real-time updation of Consumer with Network using advanced integrated digital platforms	Nishant Singh
13	Foundational Blocks for Smart Grids	Digitalization of Power Transformer Monitoring System	Mousam Dutta
14	Foundational Blocks for Smart Grids	IElectrix Project – Installation and commissioning of the Indian demonstration in Delhi	François Cazals
15	Smart Grids for Smart Cities	Accelerating wind power deployment in India through decentralised plants	Ashwani Arora
16	New and Emerging Technologies and Trends	Combustion Modification- Implementation Challenges & Impact on Boiler performance wrt Indian Context	Kumar Skandh
17	Disruptive Innovations for Utilities	Envisioning Smart Utility through Field Force Automation (FFA)	Nishant Singh
18	Disruptive Innovations for Utilities	Augmented reality and other Digital Transformation and their applications in Power Transmission	Robin Giri
19	Disruptive Innovations for Utilities	Grid interactive affordable housing - a grid-management opportunity for distribution licensees in India	Mahesh Patankar
20	Smart Grids for Smart Cities	Unified Regulatory Management for Utilities in Smart City : Common Utility Alliance	Krishna Porwal
21	Disruptive Innovations for Utilities	RPA empowered Self-functioning Utility Processes ecosystem	Amberish Amolraj Gaekwad Laxmi Patel
22	Disruptive Innovations for Utilities	Introduction of Tower Mounted Substation	Swapnil Rao
23	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Planning towards enhanced Grid Discipline and Grid Reliability in the power system operations in South Asian Region	Mohnish
24	Foundational Blocks for Smart Grids	Flexibility in Power System	M L Sachdeva
25	Disruptive Innovations for Utilities	Importance of digital energy database and expert system to promote excellence in the operations of the power utilities in different countries in South Asia	Vinod Kumar Agrawal

ANNOUNCING ISUW 2023



**India
SMART UTILITY
Week 2023**

01 - 04 MARCH 2023

NEW DELHI

ISUW 2023
9th International
Conference and
Exhibition on Smart
Energy and Smart
Mobility

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ISGF
India Smart Grid Forum

1st March 2023 Wednesday	2nd March 2023 Thursday	3rd March 2023 Friday	4th March 2023 Saturday
Conference & Exhibition	Conference & Exhibition	Conference & Exhibition	Technical Tours

ISGF INNOVATION AWARD : 3rd March 2023

TEAM ISGF

