



GSGF
Global Smart Grid Federation

HAPPY NEW YEAR 2020 & A NEW DECADE FULL OF HAPPINESS!

We have the pleasure of conveying our sincere gratitude for your valuable support and guidance during this year and we take this opportunity to extend our very **Best Wishes for a Very Happy, Safe and Successful New Year and a New Decade Full of Happiness!**

GSGF appreciates and thank all those who are supporting us in our journey! IN GSGF IN 2018

We are also delighted to share few highlights of the year 2019 with all of you.

HIGHLIGHTS OF 2019

All GSGF Members have immensely strived hard in supporting the GSGF Mission of creating smarter, cleaner electrical systems around the world. Some of the key highlights of the year are:

5th ISGAN AWARD OF EXCELLENCE IN SMART GRIDS



Americas attended the award ceremony. Ms. Amanda Wilson, the Director General of Natural Resources Canada and Mr. Youngjoon Joo, the Korean deputy Minister for Trade, Industry and Energy, presented the ISGAN Award to the winning projects.

The 6th ISGAN AWARD OF EXCELLENCE has already been announced and again GSGF will serve as the jury for selection of the winner. The theme for next award is "Excellence in Smart Grids for Digitalization Enabling Consumer Empowerment,"

GSGF served as the expert jury for selection of the winner. The theme for the competition was "Excellence in Smart Grids for Local Integrated Energy Systems" (Smart Microgrids). The awards were presented at the 10th Clean Energy Ministerial in Vancouver on 29th May, 2019. The winner this year was: Korea Electric Power Corporation (KEPCO's) Open Microgrid Project, from Korea. Mr. Steve Hauser, CEO of GridWise Alliance, USA and Treasurer of GSGF; and Mr. Ravi Seethapathy, GSGF Ambassador for

5th ISGAN AWARD OF EXCELLENCE IN SMART GRIDS



Valérie-Anne Lencznar

The Board of GSGF unanimously elected Valérie-Anne Lencznar as the Vice Chairperson of GSGF in July 2019. Mrs. Lencznar is currently the Managing Director of Think SmartGrids, the professional association federating the French Smart Grids Ecosystem.

GSGF WORKING GROUPS

New Working Group's on "Smart Grids for Electric Vehicles" and "Flexible Grid- Towards Customer Enablement were set up to fuel discussion, to attract new members and to further strengthen GSGF to serve the global community.

GSGF AMBASSADORS

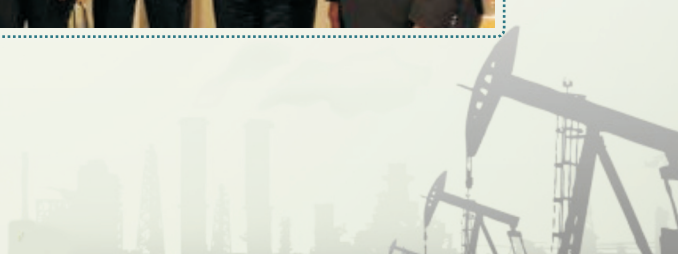
Mr. Ravi Seethapathy for Americas, Mr. Marc Boillot for Europe & Africa and Dr. Cheong Kam Hoong for Asia Pacific were appointed as GSGF Ambassadors and they have contributed and worked hard to advance the goals of GSGF and manage the GSGF relationship with relevant stakeholders in countries in their respective regions.

GSGF FACE TO FACE MEETING IN STOCKHOLM, SWEDEN ON 1ST APRIL, 2019

GSGF held its First Face to Face Board meeting of the year 2019 on 1st April, 2019. The Board Meeting had been very productive with discussions on progress of work plan, new working groups, prospective new members, GSGF Reports and presentations by invited speakers. A detailed discussion was made on the Smart Grid Road Map Work Plan by Oscar Miranda, Ex- Vice Chair, GSGF. An Interesting presentation was made by Mr. Bo Normark, Senior Policy Advisor, Renewable Energy Institute on new initiatives in Renewable Energy and programs for the benefit of GSGF Members.

ISGAN-GSGF MEETS

GSGF at the 17th Ex Co Meeting of ISGAN: 17th ISGAN ExCo-Meeting was held in Sweden from 1st - 5th April, 2019 in which GSGF and ISGAN members met in order to strengthen future collaboration, aiming at membership expansion, joint activities and to explore opportunities for potential cooperation that will help pave the way to boost acceleration in implementation of smart grid technologies across the globe.

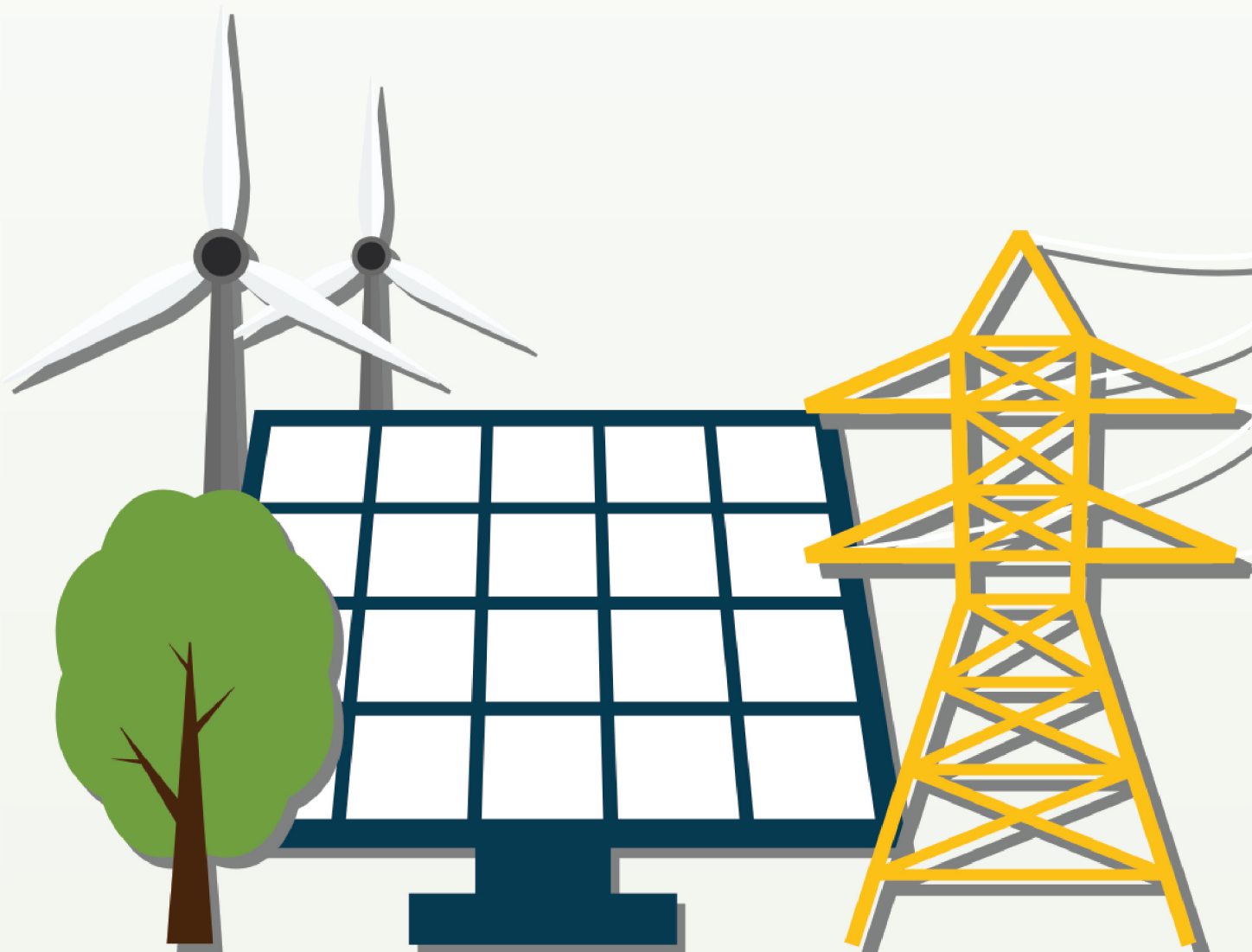


GSGF at 18th Ex Co Meeting of ISGAN: A very productive and fruitful GSGF-ISGAN meet took place on the 1st of October, 2019 at Montreux, Switzerland. Mr Eddie Widiono, Chairman of PJCI, Indonesia, Ms Valerie-Anne, Vice-Chair GSGF and Mr Reji Kumar Pillai, Chairman, GSGF represented this meeting. ISGAN being supportive offered GSGF opportunities in the form of roundtables and workshops at ISGAN meetings in future. GSGF will be present at the next ISGAN Ex Co Meet which is scheduled in Ricosta, Berlin in the last week of March 2020.



GSGF NEWS LETTER AND WEBSITE

- GSGF worked on its various communications channels to make it more engaging for stakeholders.
- GSGF's Newsletter portrays global vision and cover the smart energy developments across the world.
- GSGF website has been made more interactive and provide better access to information.



MEMBER COUNTRY EVENTS IN 2019

GSGF members remained active with lot of initiatives and collaborations:

Smart Grid Maturity Model Assessment for PT.PLN, Indonesia

India Smart Grid Forum in association with Univ. Indonesia and PJCI, organized Smart Grid Maturity Model Assessment workshop in September, 2019 as part of project to prepare Smart Grid Road Map for PT. PLN, state owned electric utility in Indonesia.



8th EU-India Smart Grid Workshop in Paris

ISGF and European Commission organized 8th EU-India Smart Grid Workshop from 12 – 14 November 2019, Paris, France in conjunction with European Utility Week. The workshop was attended by high-level officials from the Ministry of Power, Govt of India; Electricity Distribution Companies; Central and State Regulatory Commissions and Technology Companies in India and Europe.



India Smart Utility Week 2019

The 5th edition of India Smart Grid Week rechristened as India Smart Utility Week (ISUW), the five-day-long international conference and exhibition was held in New Delhi from 12 – 16 March 2019 which was attended by over 1800 eminent experts from around the world.



Innovation for Cool Earth Forum (ICEF) in Tokyo:

Mr Reji Kumar Pillai, Chairman, Global Smart Grid Federation and President India Smart Grid Forum represented GSGF at Innovation for Cool Earth Forum (ICEF) in Tokyo.

The Japan Smart Community Alliance (JSCA) held a seminar for its JSCA members on India's Smartgrid development at the New Energy and Industrial Technology Development Organization (NEDO), Tokyo on October 11, 2019.”.

The seminar also covered the current energy situation in India with real-life examples through lectures by Mr. Shatrujeet Singh Kapoor, Chairman and Managing Director at Haryana State Electricity Distribution Company (UHBVN), Mr. Depinder Singh Dhesi, Chairman of the Haryana Electricity Regulatory Commission (HERC), and by the Chief Representative of NEDO New Delhi office, Mr. Takamasa Murakami.



Korea Smart Grid Association Successfully Organized the 10th Korea Smart Grid Week



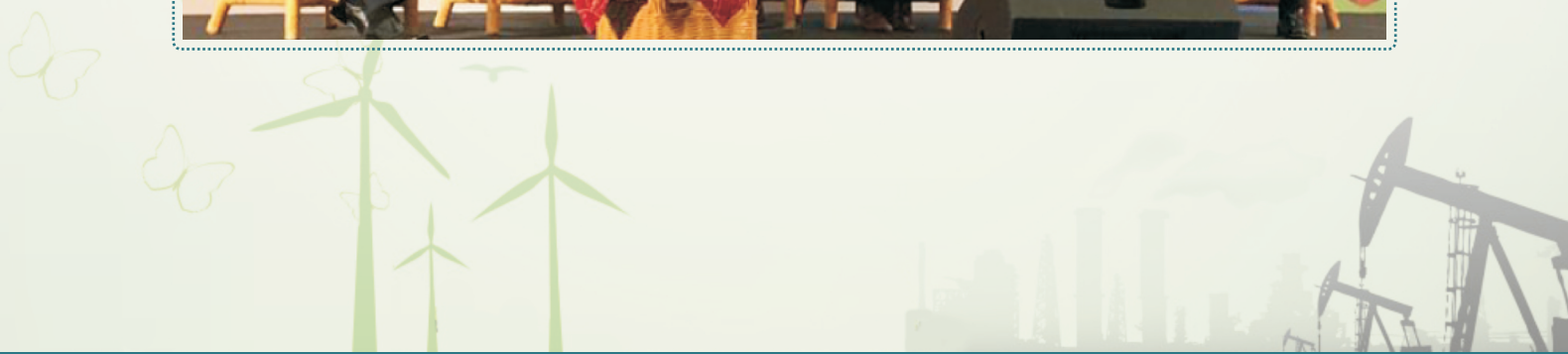
Korea Smart Grid Week (KSGW) Korea's only conference and exhibition specializing in the Smartgrid, was organized by the Korea Smart Grid Association (KSGA) and was hosted by the Ministry of Trade, Industry and Energy (MOTIE). The conference was held at COEX, Seoul, Korea, from October 16 to 18, 2019. The 10th International Smart Grid Conference was largely divided into the themes like Management of demanded resources and next-generation smart metering technology, the role of Smartgrid in Korea's future energy market, as well as Southeast Asian countries plan to invest in smart grid and the measures for their cooperation with Korean companies and smart grid standards.

Gridwise Alliance's conducted gridCONNEXT 2019 in Washington DC from 10th -12th December, 2019

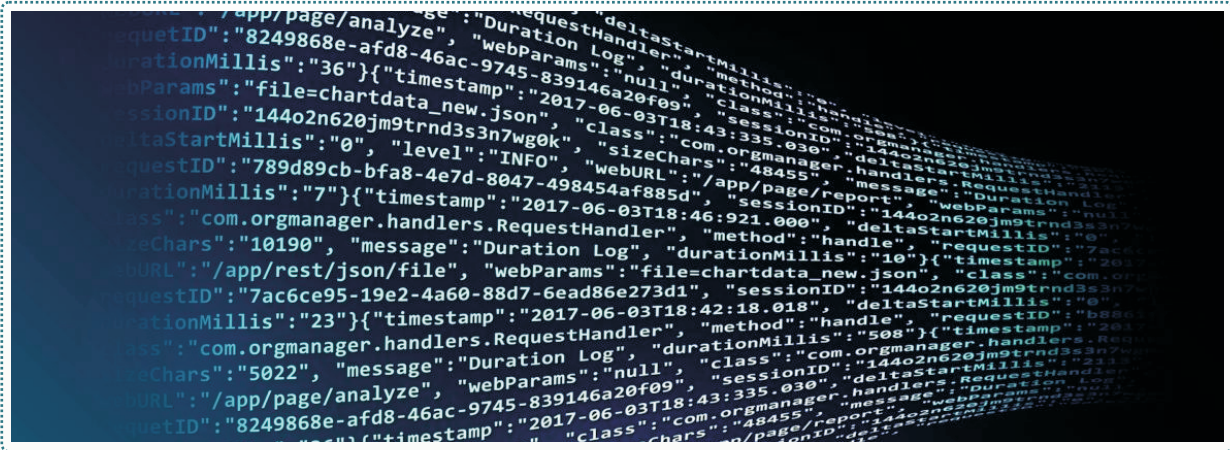
The event brought world-class experts to explore diverse perspectives and uncover market innovations poised to redraw the electric utility landscape. With the growth and integration of clean energy, energy storage and electrified transportation – along with new business and regulatory models supporting investments in DERs and grid modernization – the event offered an unprecedented opportunity to connect with key stakeholders and explore what's next in the utility sector.

The 74th Indonesia National Electricity Day

The Directorate General of Electricity – Ministry of Energy & Mineral Resources, PT PLN (Persero) the state owned utility in Indonesia and a member of PJCI and the Indonesian Electrical Power Society organized the 74th Indonesia National Electricity Day Event Series-2019 from October 9th to 11th 2019 in Jakarta Convention Centre with the theme: Facing the Challenges of Industry 4.0 Era of Electrical Power Technology. GSGF was represented by Mr Seethapathy, GSGF Ambassador for Americas



Energy Web Foundation launches world's first open source Blockchain for the Energy Industry



After years of hype, Blockchain has taken a major step towards delivering on one of its energy sector promises. Energy Web Foundation (EWF) a joint venture between Rocky Mountain Institute and Grid Singularity launched what it described as the world's first public, opensource, enterprise-grade blockchain tailored to the energy sector – the Energy Web Chain (EW Chain).

Cired: French delegation and Conference on Digitalization



On the occasion of the CIRED (International Conference and Exhibition on Electricity Distribution) in Madrid, Think Smartgrids members presented their expertise in the field of digitalization of public services. Schneider Electric, Atos, Enedis et Odit-e were part of the French delegation. Think Smartgrids organized a conference on digitalization of utilities on June 4th at the IFEMA, with introductory speech delivered by Pierre Mallet, Vice-President of the CIRED, R&D Director at d'Enedis and VP of Think Smartgrids' Scientific Council.



The French sector going strong at the European Utility Week



On November 11th, Think Smartgrids organized a seminar on new technologies to operate the digitalization of utilities.

Think Smartgrids' task force on Data and Digitalization, led by DCbrain and Cosmo Tech, presented its study on new technologies applied to grids: deep machine learning technology, digital twins, blockchain and reinforcement learning, all being very promising for objectives of energy efficiency and durability.

In front of a very cosmopolite crowd of about eighty people, a panel discussion led by Christophe Durieux (GE Grid Solutions) then gathered Pedro Godinho from Matos EDP, Dr. G Ganesh Das (Tata Power), Maher Chebbo from ETIP SNET and Gabriel BAREUX from RTE.



From November 12th to 14th, the European Utility Week was being held for the first time in Paris, France. The French pavilion had a central position and was visible from afar, with its colored banners « Choose France ». Around fifty French companies were present, among which thirty were members of Think Smartgrids. Plenty of meetings with foreign delegations took place: a large Indian delegation led by the India Smart Grid Forum (ISGF), Atlantic Canada, Innovate UK, Marocco' Solar Cluster, Société tunisienne de l'électricité et du gaz

(STEG), Dutch Power, the Malaysian utility TNB, the Indonesian utility and the President of Smart grid Indonesia, without forgetting the Turkish, Congolese and Saoudian delegations.



MEMBER COUNTRY EVENTS IN 2020

March 3rd - 7th, 2020: India Smart Utility Week, New Delhi, India

<http://www.isgw.in/isuw-2020/>

GSGF pledges to create more opportunities to work together, align our goals and achieve them with vigour in our hearts and joy in our souls

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**WISH YOU A PROSPEROUS NEW YEAR AND
HAPPY HOLIDAYS!!!**