



14th Edition

MICROGRID

GLOBAL INNOVATION FORUM

SOUTHEAST ASIA • APRIL 20-21, 2021 • BANGKOK



The **14th Microgrid Global Innovation Forum – Southeast Asia**, April 20-21, 2021 in Bangkok (www.microgridinnovation.com/Bangkok) brings together key industry executives for focused networking and information sharing concerning the design, implementation and operation of renewables-centric microgrids in Asia / Southeast Asia. The emphasis is on maximizing the effective use of sustainable distributed energy resources, optimizing the business model for a range of microgrid deployments, and sharing real-world case studies in both grid-tied and off-grid environments.

The event will focus on:

- Microgrid feasibility, design, and implementation
- Solar + storage systems for off-grid village environments
- Ownership models and benefits for multiple stakeholders
- Microgrids for communities in rural, remote, and island regions
- Integration of microgrids into the larger grid
- Determining the correct technology mix for hybrid energy systems
- Project financing and economics: Attracting adequate funding
- Advanced battery, fuel cell, and energy storage technologies
- Microgrid power control, management, and integration
- Off-grid systems for mining and off-shore applications
- Enabling technologies and advances
- Latest technology advances for optimizing performance and control
- Regulatory and public policy considerations for microgrid advancement
- Standards and interoperability issues
- Market drivers and opportunities in Asia / Southeast Asia
- Maximizing renewables penetration and reducing carbon footprint

The audience for the Forum includes microgrid project developers, owners, and entrepreneurs; finance and investment professionals; utility and energy provider executives; renewable energy professionals; energy storage providers, technology innovators, regulatory representatives, and more.

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Bronze Sponsors



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Speaking Opportunities

The 14th Microgrid Global Innovation Forum - Southeast Asia 2021 focuses on the latest technology advances and business models for the deployment of renewable energy microgrids in municipal, public-use, commercial, military, and off-grid environments in Asia / Southeast Asia. A series of in-depth presentations and interactive panel discussions will examine the most recent technology advances, case studies, and lessons learned to date.

The session schedule and faculty of speakers for the Forum is currently in development. Industry professionals who are interested in delivering a presentation or organizing a panel discussion session are encouraged to submit a proposal to info@microgridinnovation.com by **Friday, December 11, 2020**.

Guidelines for Submitting a Proposal

Seminar sessions are 75-90 minutes in length and typically feature three speakers, each presenting for approximately 25 minutes. Individuals who wish to deliver a presentation or organize a panel session with multiple speakers should submit the following:

1. Speaker name, title, company, and contact information
2. Presentation title (or title of panel session)
3. Abstract of presentation or panel session (150 words)
4. Speaker biography and photo
5. Bullet list of 3-4 Key Learning Points from the presentation or panel session

Topics To Be Covered Include (but are not limited to):

Business Issues, Opportunities and Challenges

- Business models for multi-stakeholder, multi-partner microgrids - public-private partnerships
- Community-run microgrids and powerplants & community-private partnerships for microgrids
- Innovations in increasing uptake of productive uses and appliances of microgrids
- Electrification of remote, rural, off-grid and island environments
- Innovations for microgrid site selection
- Grid-tied, utility distribution microgrids and integration with the larger grid
- Solar PV, CHP, and energy storage strategies for optimal configuration
- Microgrids as a strategy for renewables integration and decarbonization of the energy mix
- Minimizing energy costs and diesel backup
- Single-building nanogrids within a larger village / energy community context
- Regulatory and public policy considerations and objectives
- Optimizing hybrid, renewable energy systems for public-use, municipal, commercial, and military deployments
- Evolving the traditional utility business model for the 21st Century

Technology Advances, Applications, and Case Studies

- Digital technologies and payment methods for microgrids
- Smart metering and microgrid power control technologies
- Solar + storage systems for off-grid village environments
- Energy storage advances for microgrid applications: flow batteries, fuel cells, advanced batteries, etc.
- System architectures and alternatives
- Microgrid design, analysis, and feasibility planning tools
- Increasing the utilization of renewables and sustainable energy sources
- System modeling and analytical tools
- Emerging technologies and latest applications
- Standards and interoperability issues
- System monitoring, management, operations and control

Previous Microgrid Innovation Forum Attendees Include:

- 127 Energy
- 3Angle Capital
- Aalborg University
- ABB
- Acciona Energía
- Adaptive Balancing Power
- Akuo Energy
- Alliance for Rural Electrification
- Altairnano
- Ameren
- American Public Power Association
- Anbaric Power LLC
- APESF
- Aquion Energy
- ARDA Power
- Arelis Group
- Associação de Energias Renováveis
- BC Institute of Technology Centre
- Benoolend
- Black & Veatch
- Blue Pillar
- Boeing Research & Technology Europe
- Boreal Renewable Energy Development
- BU Africa
- Burns & McDonnell
- Canadian Solar
- Catalonia Institute for Energy Research (IREC)
- CENER
- Center for Climate and Energy Solutions
- CERTS Microgrid Project
- CEZ Distribuce, Corp.
- Circular Energy
- Colorado State University
- ComRent International
- CPG Advisors
- CPS Energy
- CSEM SA
- Customized Energy Solutions
- cyberGRID GmbH
- DC Public Service Commission
- DEG - German Investment Corporation
- Deutsche Investitions- und Entwicklungsgesellschaft mbH
- Distributed Generation Ltd
- Distributed Sun LLC
- DNV GL
- Duke Energy
- Dynamic Energy Group
- Dynapower Company
- E.ON UK
- EDA RENOVAVEIS
- EDF Renewable Energy
- Edison Electric Institute
- Edison International
- EDP
- EDP DISTRIBUIÇÃO
- Efacec Power Solutions
- Electric Power Research Institute (EPRI)
- Emerge Alliance
- Emerson Network Power
- Enbala Power Networks
- Enchanted Rock
- Eneco B.V.
- EnerCo
- Enercon GmbH
- Enercoutim
- Energy Storage Report
- EnergyIN
- EnerNex
- Engie
- Enphase Energy
- Ensol Tanzania Ltd
- Eos Energy Storage
- ERDF
- EREN RENEWABLE ENERGY
- ETAP
- EURELECTRIC
- Exelon
- FERC
- Fluidic Energy
- Fluktuat
- FREEDM Systems Center, NC State
- Freie Universität Berlin
- Fronius España S.L.U.
- Fronius International GmbH
- Frost & Sullivan
- FuelCell Energy
- GDF Suez
- GE Power & Water
- General Microgrids
- Gildemeister Energy Storage
- Gommyr Power Networks
- Grupo Impresa
- Hatch Electro-Technologies
- Honeywell
- HSB Engineering Insurance
- Hydro-Quebec
- Idaho Power Company
- Industrie Canada
- Ingeteam Power Technology, S.A.
- Innhotep Think Tank for Innovation in Energy & Cleantech
- INTRACOM DEFENSE ELECTRONICS
- IPERC
- IREC
- janom s.r.o.
- K2J Environmental
- Keystone Steel & Wire
- Korea Polytechnic University
- Landis + Gyr
- Lawrence Berkeley National Lab
- Leclanché SA
- Leidos
- Lockheed Martin Energy
- Lux Research
- Marsh Creek LLC
- Martifer Solar
- MC Consulting
- Microgrid Institute
- MinesParisTech
- Mitsui & Co. Ltd.
- Morrison Foerster LLP
- MotuSolar
- Narada Power Source Europe
- Navigant Research
- NEDO
- Nemotec
- NY Independent System Operator
- NY State Smart Grid Consortium
- NextEra Energy
- Northern Power Systems
- NovaTech LLC
- Olidata spa
- Omnetric Group
- Omron
- OPAL-RT Technologies
- Oxford University
- Pareto Networks
- Peerless Lighting
- Pepco Holdings
- Power Analytics
- Princeton Power Systems
- QiDO Energy Development
- Qinous GmbH
- R.E.S. Ltd.
- Redflow Europe GmbH
- RELUMO
- REpower Systems Inc.
- ResoTek, Inc.
- Rhombus Energy Solutions
- Robert Bosch España, S.L.U
- RVE.SOL
- S&C Electric
- Saft America
- Sail Capital Partners
- San Diego Gas & Electric
- Sandia National Lab
- Saudi Aramco
- Saviva Research LLC
- Schneider Electric
- SCLE SFE
- sg++
- Shaldor
- Shimizu Corporation
- Siemens AG
- SMA Ibérica Tecnología Solar, S.L.U.
- Smart Com d.o.o.
- Smart Electric Power Alliance
- Smart Hydro Power
- SOFRECO
- Southern California Edison
- Spanish National Center on Hydrogen
- Spirae, Inc.
- Sunco Energy SL
- SunEdison
- Sunverge Energy
- Support2develop
- Susi Partners
- Sustainable Power Systems
- TECNALIA
- Tetra Tech
- The Boeing Company
- The Hartford Steam Boiler Inspection and Insurance Company
- Tractebel
- Trama TecnoAmbiental
- Trojan Battery Company
- U.C. San Diego
- U.S. Department of Commerce
- UniEnergy Technologies
- Universidad Carlos III de Madrid
- University College London, Electronic and Electrical Engineering
- University of Alberta
- University of California, Irvine
- UCLA
- University of Idaho
- University of Maryland
- University of Texas, El Paso
- University of the Basque Country UPV/EHU
- University of Wisconsin, Milwaukee
- Varentec
- Vattenfall AB, R&D
- Vestas
- Vieira de Almeida
- Viridity Energy
- Wells Fargo Bank
- West Monroe Partners
- Win Inertia
- Winch Energy
- World Bank
- Wuhan Huayuan Fukang Electric
- World Business Council for Sustainable Development

Previous Attendee Job Titles Include:

- Assistant Professor, Microgrids
- Associate
- Associate Professor
- Attorney Advisor
- Business Advisor
- Business Development Director
- Business Unit Development Manager, Grid Automation
- Business Unit Director - Renewables (GB & International)
- CEO
- CEO and Co-founder
- Chairman
- Chief Commercial Officer
- Chief Marketing Officer
- Chief of the Office of Energy and Sustainability (OES)
- Co-Founder
- Co-Founder and CEO
- Co-Founder and President
- Deputy Director
- Director
- Director of Industry and Innovation
- Director, Distributed Electricity and Storage
- Editor
- ElectriFi Manager
- Energy & IT Analyst
- Energy Solutions Manager
- Energy Storage Marketing/Strategy Manager
- Engineer
- Engineering Manager
- Executive Director
- Founder & Managing Director
- Founding Partner
- General Manager
- Global Sales Manager Microgrids
- Global Sector Co-ordinator, Innovative Finance
- Head of Direct Sales
- Head of Innovation - Global Infrastructure & Networks
- Head of Microgrid & Digital Substation Solutions
- Head of Project
- Independent Consultant
- Industry Research Analyst
- Journalist and Economist
- Manager of Market Intelligence, Strategy and Innovation
- Manager, Business Development
- Manager, Optimization and Forecast
- Manager, Policy and Innovation
- Manager, Smart Grid & Technology
- Manager, Technology Development
- Manager, Utility of the Future
- Manager-Emerging Technologies Office
- Managing Director
- Managing Partner
- Market Design Specialist - Distributed Resource Integration
- Microgrid Advisor
- Microgrid Laboratory Responsible
- Microgrids CTO North America
- News Director
- Of Counsel
- Operations Manager
- Partner & Co-Founder
- Portfolio Analyst
- Power Systems Group Leader
- President
- President & CEO
- Principal
- Principal Engineer
- Principal Research Analyst
- IEEE Fellow
- Program Director, Sustainable Energy Transformation and Microgrid Project
- Project Engineer
- Project Manager
- Renewable Energy Segment Manager
- Renewable Energy Specialist
- Research Associate Renewable Energy
- Research Officer
- Researcher and Industrial Engineer, Grid Integration
- Sales Manager
- Senior Analyst
- Senior Consultant Hydropower
- Senior Director, Energy & Utilities Practice
- Senior Engineer
- Senior Manager, Smart Grid Integration, North America
- Senior Portfolio Analyst
- Senior Principal, Sustainability
- Senior Vice President, Policy and Business Strategy
- SETS Program Manager
- Sr. Climate Change Specialist and Program Manager
- Technical Consultant - Power Supply & Protection
- Technical Expert – Regulatory Instruments
- Technical Sales Manager
- Technical Support Manager
- Venture Developer
- Vice President
- Vice President - Smart Grid, North America Operations
- Vice President Business Development
- Vice President, Product Management
- VP Commercialization & Product Development
- VP of Operations & Fi

Sponsorship Packages

Gold Level Sponsor

Value: \$7,000 USD

- Tabletop exhibit in networking break and reception area
- 2 complimentary conference passes
- 20% off additional registrations
- Logo positioning in Official Program Guide, event website, and email communications
- Corporate description with hyperlink on event website
- Prominent logo recognition in on-site banners and signage
- Logo on event program and registration materials
- Company information or insert included in registration bags
- Attendee List (provided one week following the event)

Silver Level Sponsor

Value: \$3,500 USD

- Tabletop exhibit in networking break and reception area
- 1 complimentary conference pass
- 15% off additional registrations
- Logo positioning in Official Program Guide, event website, and email communications
- Corporate description with hyperlink on event website
- Prominent logo recognition in on-site banners and signage
- Logo in event program and registration materials
- Company information or insert included in registration bags

Bronze Level Sponsor

Value \$2,000 USD

- 1 complimentary conference pass
- 10% off additional registrations
- Logo positioning in Official Program Guide, event website, and email communications
- Corporate description with hyperlink on event website
- Prominent logo recognition in on-site banners and signage
- Logo on event program and registration material

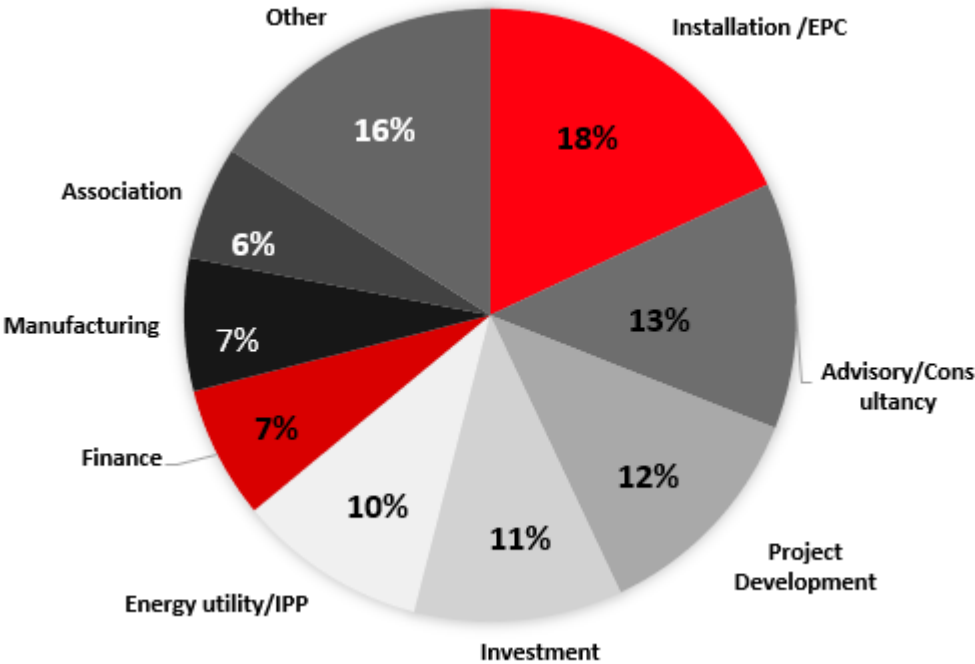
To arrange your participation, contact

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Previous Editions: **London, September 2019**

Attendee Demographics:



London, September 2018



"There was a great networking opportunity. Speakers were interesting in and of themselves, but the mix (tech, policy, regulatory, markets) made for deeper conversations than most events provide." -- Paul Roegel, Vice President - Strategic Initiatives, Typhoon HIL

Feedback on Previous Editions

"The conference was very well organized, offering rich content and excellent networking opportunities"
- Zoheir Rabia, Global Product Manager – Microgrid Solutions, ABB

"Intra-disciplinary approach leads to this Forum as the premier program in microgrid innovations and thought leadership."

-- Michael J. Zimmer, Washington Counsel, Microgrid Institute

"Excellent. I have benefitted from hearing quite an array of perspectives and case studies. You have brought together a wealth of talent that generated great dialog and will stimulate cross-fertilization."

-- Larisa Dobriansky, Chief Business & Policy Innovation Officer, General Microgrids

"One of the best, with highest quality presenters on timely topics."

-- David E. Geary, PE, Co-Founder and Principal Engineer, DC Fusion

"The conference had a very good mix of academia, research, manufacturers, developers and investors."

-- Dr. Maria Brucoli, Research Engineer - Smart Energy Systems, EDF Energy R&D UK Centre

"Very good! It touched multiple aspects of microgrids, from financing to engineering to technology, which helped to give an overview of the industries in and around microgrids. Great networking possibility."

-- Parvathy Chittur Ramaswamy, Technical Manager - Energy Transition, Tractebel - Engie Group

"So constructive and learnable with fruitful interaction amongst participants. First-day workshop was very informative with actual economic figures."

-- Susumu Takahashi, United Nations Industrial Development Organization (UNIDO)

About the Organizers



Alliance for
Rural
Electrification
Shining a Light for Progress

[The Alliance for Rural Electrification \(ARE\)](#) is an international business association representing the decentralised energy sector working towards the integration of renewables into rural electrification markets in developing and emerging countries. ARE enables improved energy

access through business development support for more than 90 members and partners along the whole value chain for off-grid technologies by targeted advocacy and facilitating access to international and regional funding. Visit www.ruralelec.org/



Smart Grid
Observer

The Smart Grid Observer is an online information portal and weekly e-newsletter serving the global smart energy industry. SGO delivers the latest news and information on a daily basis concerning key technology developments, deployment updates, standards work, business issues, and market trends driving the smart grid industry worldwide. Visit www.smartgridobserver.com to sign up for a complimentary subscription.

Conference Venue

Pullman Bangkok Grande Sukhumvit

30 Sukhumvit 21 Asoke Road, 10110 Bangkok



Registration

Your registration includes:

- Attendance at networking breakfasts, coffee breaks, lunches, and drink receptions
- PDF copy of all presentations
- Copy of attendee list
- Access to pre-conference messaging platform for arranging meetings with fellow attendees

<u>Attendee Category</u>	Before Friday, March 12	After March 12
Equipment, Software, or Services Provider	\$595.00 USD	\$695.USD
Government, Academic, and Non-Profit Organizations	\$495.00 USD	\$595.00 USD

To register securely online, visit:

<http://www.microgridinnovation.com/Bangkok/register.htm>