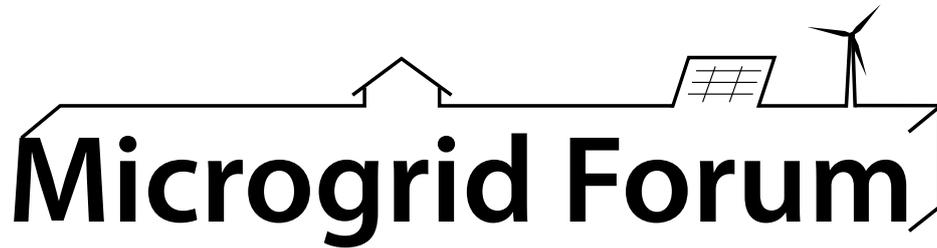


From the Producers of

Energy Storage *World Forum*



Microgrid Forum

Achieving The Business Case, Power Quality And
Reliability Of Microgrids In Multiple Applications

18 - 19 September 2013

Movenpick Hotel AMSTERDAM City Centre

**Presentations From
Over 20 Industry Experts
From 18 Countries Covering:**

Reducing Total Cost Of Ownership
By Choosing The Most
Cost Effective Technology Mix

Developing An Optimum Regulatory
Framework For Microgrids Worldwide

Achieving Power Control In
Island Grids In Order To Meet Accurate
Energy Demand And Reliability

Establishing Codes And Standards For
DC Applications In Residential, Commercial
And Industrial Applications

Evaluating Case Studies From 5
Regions Including Africa, India, Middle East, China

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Sponsorship Packages At A Glance

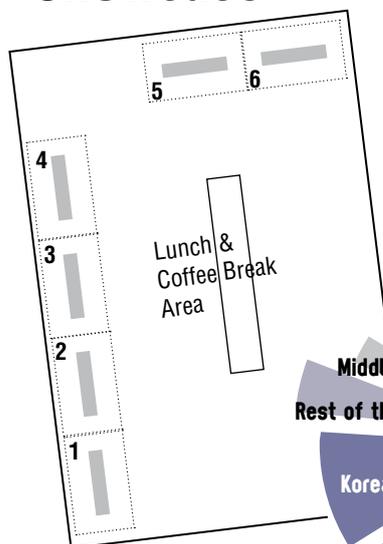
The Platinum option has premier positioning and priority in each of the features described below. This is not an exhaustive list, please contact one of our marketing consultants to help you define your objectives

Features	Platinum Premier Positioning & Size	Gold	Silver	Associate
ConnectTime (bespoke feature, ask for details)	✓	✓		
Company logo appearing in a 3 minute video animation at start of Forum	✓	✓		
Company logo appearing in Microgrid Forum marketing video	✓	✓		
One to one video interviews	✓	✓		
Speaking opportunity (subject to content approval)	✓	✓	✓	
Logo on the front page of programme - paper and digital version	✓	✓	✓	
Bi-monthly newsletter logo branding	✓ 24 issues	✓ 12 issues	✓ 8 issues	✓ 4 issues
Electronic ticket corporate branding	✓	✓	✓	✓
Company logo on Microgrid Forum's customised design stage	✓	✓	✓	✓
Company logo in coffee area and registration backdrop	✓	✓	✓	✓
Company logo on Forum home page with link to company website	✓	✓	✓	✓
Company logo on sponsorship and exhibition page of Forum website	✓	✓	✓	✓

These three main sponsorship options are available amongst other options so do please contact one of our marketing consultants to enquire further. Examples of packages include: • Lunch • Drinks reception • Conference bursary • Cultural entertainment sponsorship

Tailored Packages We believe in tailoring your needs by understanding your strategic objectives. This understanding is then transferred to our database, blog and media partners which will allow you to reach thousands of individuals for a good period stretching over 6 - 12 months.

Exhibition Showcase



Sponsors logos on stage backdrop, registration backdrop and banners



Gold Sponsor video animation shown on main stage at start of conference

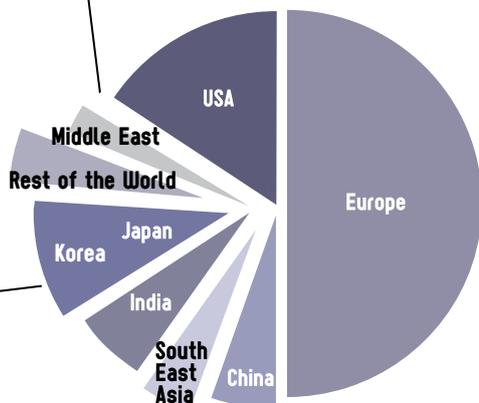


Exhibition showcase



Sponsor the drinks reception

Regions



Who Will You Meet From Which Functions

- | | |
|---------------------------------------|--------------------------------------|
| Utilities, DSOs | CEO / Board Members |
| Generation | CTO |
| Distribution Providers | Head of Public Affairs |
| Renewable Energy Intergrators | Director of Product Management |
| Government/Regulators/Public Agencies | Director of Grid Integration |
| Energy Storage Solutions Providers | Transmission Networks Manager |
| Battery Manufacturers | Head of R&D |
| Research Institutes | Energy Storage Business Development |
| Investors | Technical Development Manager |
| Wind Energy Operators | Head of Renewable Technologies |
| PV Manufacturers | Head of Engineering |
| Power Electronics/Inverters | Director of Innovation |
| Commercial & Industrial End Users | Distributed Energy Resources Manager |
| Oil/Gas | Storage Research Leader |
| Property Developer | Load Levelling Manager |
| Hospitals, Universities, Refineries | Business Development Manager |
| Pharmaceutical Manufacturing | Property Management Director |
| Data Centers | Head of Operations / Network Head |
| Telecoms | Head of R&D |
| EPCs | Energy Systems Manager |

Sponsorship & Exhibition Enquiries:

Europe: call Desmond at +44 (0) 208 638 0920 or +44 7799 1611 62 email: emily@energystorageforum.com

Asia: call Kenny at +65 6243 0050 or +44 208 432 0886 email: emily@energystorageforum.com

Forum Day 1 Wednesday 18 September

- 8.30 Registration And Coffee
- 9.00 Welcome Address
Davide Bonomi, *Content Strategy Director*
DUFRESNE – MICROGRID FORUM
- 9.20 Chairman Introduction
 **Balthasar Klimbie**
Chairman
ALLIANCE FOR RURAL ELECTRIFICATION (BELGIUM) 
- 9.30 Examining The Business Case And Investment Opportunities For Microgrids Worldwide
 - Evaluating the business case for:
 - PV and residential energy storage in Europe and the US
 - fully energy-independent communities
 - remote mining operations
 - Evaluating the choice of technologies and underlying drivers other than financials
 - Identifying market opportunities and potential business models for start-up companies worldwide **Fabio Lancelotti**
Investment Manager
ASTER CAPITAL (FRANCE) 
- 9.55 Integrating Photovoltaic, Wind And Diesel Systems To Supply The Electrical Needs Of The Graciosa Island
 - Demonstrating the monthly average electric production in the island
 - Examining smart meters enabling remote management
 - Monitoring the use of battery and electric vehicle recharge systems **Gonzalo Piernavieja**
Director of R&D and Innovation
CANARY ISLANDS INSTITUTE OF TECHNOLOGY (SPAIN) 
- 10.20 Africa Case Study: Managing Microgrid Risks By Maintaining The System's Stability And Control Under Equipment Failures
 - Examining the African Regulatory Scenario needed for Microgrids
 - Understanding the value chain of Microgrids installations in Africa
 - Examining the following scenarios and technical results:
 - High load seasonal variability
 - High residential PV penetration
 - Weak electric system **Joseph Dlamini**
System Planning Engineer
SWAZILAND ELECTRICITY COMPANY (SWAZILAND) 
- 10.45 Coffee Break And Exhibition Visit
- 11.20 Designing Energy Storage Solutions For Microgrid Only Applications
 - What type of technology is available now?
 - What needs to improve in order to achieve optimum performance and ROI?
 - To what extent can current grid storage technology be tailored for Microgrid applications?
- 11.45 Case Study Results: Evaluating Costs And Benefits Of A Smart Polygeneration Microgrid Project In A University Campus
 - Integrating renewables and storage systems for a programmable power generation
 - Evaluating the cost and benefit of having Microgrids in the campus
 - Defining optimal control strategies for Microgrids operation **Federico Delfino**, *Professor, Power Systems Engineering, Pro-Rector, Management Of Savona Campus Research & Teaching Facilities*
UNIVERSITY OF GENOA (ITALY) 
- 12:10 Examining The Business Case Of Financing Residential Energy Storage Development In Europe
 - Discussing how residential storage may be integrated in the grid for a positive ROI
 - Understanding the drivers for a successful roll-out
 - Analysing which stakeholder can collaborate to share the benefits and how could they influence the ROI? **Johan Reynaert**
Partner
CAPRICORN VENTURE PARTNERS (BELGIUM) 
- 12.35 Evaluating The Results Of A Reliable And Economic Energy Production In Island Grids And Assessing Its Business Case
 - Learning the economic conditions of energy production using diesel and PV on islands
 - Demonstrating the system design for energy production as main application
 - What are the challenges for the system control of a Microgrid?
 - Determining the results from prototype system operation at KIT Karlsruhe
 - frequency control
 - voltage control
 - SOC control
 - reactive power control
 - PV production forecast **Olaf Wollersheim**
Systems Management Competence E
KARLSRUHE INSTITUTE OF TECHNOLOGY, KIT (GERMANY) 
- 13.00 Lunch And Exhibition Visit
- 14.35 Achieving Low Cost Metering That Can Accurately Analyse The Grid And Provide Quality Of Service
 - Overcoming open source vs. close source and interface related issues
 - Completion of low cost smart metering on designated loads
 - Choosing the best technology in different scenarios **Pascal Rioual**
Director, Island Energy Systems
CAPENERGIES / EDF (FRANCE) 
- 15.00 Overcoming the Challenges Of Balancing Intermittent Renewables Within A Microgrid
 - Managing the delicate balance of supply and demand while providing the necessary electrical safety functions
 - Forecasting the supply of wind and solar
 - How to use storage in rural vs. urban scenarios with intermittent renewable? **Jos Blom**
Director of Energy Storage Program
ALLIANDER (THE NETHERLANDS) 
- 15.25 Comparing Different Energy Storage Technologies For Microgrids In Different Geographical Scenarios
 - Evaluating the following technologies
 - Li-ion
 - Hydrogen
 - Flow battery
 - Flywheel
 - Lead-acid
 - Zebra
 - Supercapacitors
 - Examining the following scenarios and applications
 - Rural vs Urban
 - Island vs Grid Connected
 - Commercial UPS **Jos Van Der Burgt**
Consultant Electricity Storage And Smart Grids
DNV KEMA ENERGY & SUSTAINABILITY (THE NETHERLANDS) 
- 15:50 Coffee Break And Exhibition Visit
- PANEL DISCUSSION**
- 16.30 Could Grid Connected Microgrids Evolve To Become Isolated Ones?
 - Demonstrating the difference between power quality in a Microgrid and the larger grid
 - Can the energy generated by power from Microgrids be cheaper than the unit cost of grid energy?
 - Working with local authorities to enter the market
Panelist:
 **Pascal Rioual**
Director, Island Energy Systems
CAPENERGIES / EDF (FRANCE) 
-  **Jos Blom**
Director of Energy Storage Program
ALLIANDER (THE NETHERLANDS) 
- To apply as a panelist please email: gladys@energystorageforum.com
- 17:55 Closing Remarks From The Chair

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Discuss with professionals from the value chain. Put forward your questions and get to know your peers before and after the conference so you can gain more learning and networking value.

The 7th Energy Storage World Forum
London 4 - 6 March 2014
www.energystorageforum.com

Over 1000 delegates and a total of 270 speakers from 28 countries attended our past 6 Energy Storage World Forums

Forum Day 2 Thursday 19 September

- 9.10 Previous Day Summary And Chairman Introduction
- 9.30 **Faroe Island Case Study: Using Warm Water Storage To Stabilise The Fluctuating Microgrid In Rural Areas**
 • Matching the reactive power in self excited induction generation
 • Evaluating fast control of heaters
 • Stabilising A Stand-Alone 220 KW Wind Turbine
 **Bjarti Thomsen**
Engineer and Project Developer
FAROESE EARTH AND ENERGY DIRECTORATE (FAROE ISLAND) 
- 9.55 **Understanding Microgrid Operational Model Challenges In Execution and Operation To Achieve Sustainable Growth**
 • Understanding community and geographical constraints in Microgrids
 • Analysing Microgrid revenue management and collection
 • Identifying the operational and maintenance Microgrid problems
 **Manik Jolly**
Consultant
WORLD BANK (INDIA) 
- 10.20 **Examining The New Challenges In Coordinated Control And Communications For Microgrid Technologies**
 • Analysing AC and DC Microgrids control and management
 • What are the advanced control architectures for intelligent Microgrid?
 • Evaluating the multi agent systems of the Microgrid projects in real sites at Faroe Islands, China and Taiwan
 **Tomislav Dragicevic**
Professor, Institute of Energy Technology
AALBORG UNIVERSITY (DENMARK) 
- 10.45 Coffee Break And Exhibition Visit
- 11.30 **Understanding How Microgrid Technology Can Support The Energy Transition Of An Optimised Financial And Organisation Framework**
 • Overcoming current and future hurdles of Microgrids:
 - Legal & Financial boundaries : real costs and revenues
 - Organisational steps : skills & change management requirements
 - Microgrids relieving the Grid in the energy transition
 • Optimising local Microgrid practically, presumption and storage system development
 • Understanding forecasting and matching: e-production, e-demand and e-storage
 • Understanding real time monitoring and decision making
 **Hugo Niesing**
Founder and Director
RESOURCEFULLY (THE NETHERLANDS) 
- 11:55 **Examining The Market Potential And Developing A Regulatory Framework For Microgrids**
To apply as a speaker please email: gladys@energystorageforum.com
- 12:20 **Understanding The Geographic Analysis Of Isolated Diesel Microgrids**
 • Examining GIS-based identification of off-grid energy demand using geo-referenced information of population density, nightlights, and power transmission grids.
 • Analysing the energy demand profiles in the identified areas depending on population, human development, and climate
 • Analysing the cost of the hybridization of diesel-grids with renewable energies
 **Robert Seguin**
Team Leader Off-grid
REINER LEMOINE INSTITUT (GERMANY) 
- 12.45 **Case Study: Demonstrating The Hybrid Microgrids In Rural Areas In Sub-Sahara Africa**
 • Understanding the hybrid Microgrid business model
 • Analysing the service and system of Microgrids
 • Learning the delivery costs and tariffs of the Microgrid Operation
 **Caroline Nijland**
Business Development Director
FOUNDATION RURAL ENERGY SERVICES (FRES) (NETHERLANDS) 
- 13.00 Networking Lunch And Exhibition Visit
- 14.35 **Evaluating Power Energy Management Of A Microgrid In An Industrial Area**
 • Measuring the impact of power demand and battery capacity in the Microgrid system
 • Designing inverters that rely on local information and decide whether it is under on-grid or off-grid mode
 • Maintaining good system dynamics and ensuring the optimum current output
 **Monica Aguado**
Director of the Renewable Energy Grid Integration Department
CENER (SPAIN) 
- 15.00 **Examining The Current Market and Future Potential of Microgrid Applications In China**
 • What is driving Microgrid developments in China?
 - policy goals
 - rural grid upgrades
 - power shortage and quality issues
 - cost savings vs. incumbent technologies
 • Where is the development focused?
 - urban vs. rural
 - island vs. inland
 - small vs. large
 • Who is most active in this space?
 **Emiel van Sambeek**
Director of Consulting and Advisory
AZURE (CHINA) 
- 15.25 **To What Extent Will Microgrid Become Part Of Mainstream Energy Economics?**
 • Comparing energy prices of:
 - central power grids vs microgrids
 - diesel vs battery power
 • What needs to improve in order to achieve economies of scale and ROI?
 • How and when could Microgrid and central power grids compliment each other cost effectively?
 **Michael Salomon**
CEO
CLEAN HORIZON (FRANCE) 
- 15:50 Coffee Break And Exhibition Visit
- 16.30 **Determining The Impacts And Solutions of Integrating Renewable Energy Resources into Microgrid**
 • What are the KPIs?
 • To what extent are they applicable in different world scenarios?
 • How can the community achieve a standard?
 **Tuan Quoc Tran**
Laboratory For Solar Systems
CEA LITEN, INES (FRANCE) 

BUILDING AN ACTION PLAN (CHAMPAGNE ROUNDTABLE)

- 16.55 Our Forums culminate with a session where conference delegates are asked to "Build An Action Plan" (BAP), with a step by step guide for a specific number of issues. The "BAP" is moderated by experts from the Microgrid industry who will guide the audience and help with new ideas and past experience.

This one hour session is an integral part of the whole Forum taking it to the next level. It's been exclusively designed by Dufresne with the aim to give you actionable information that you can work on when you are back at your office.

Champagne will be served during this session

 **Moderator**
Begona Lazpita
Research Engineer Manager
CEA LITEN, INES (FRANCE) 

- 17:55 Closing Remarks From The Chair
 18.10 End Of Microgrid Forum 2013

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Enquiry: emily@energystorageforum.com
Speaking at Future Events: gladys@energystorageforum.com

3 EASY WAYS TO REGISTER

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Wednesday 18 September | Forum Day 1
 Thursday 19 September | Forum Day 2

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	Book BY 28 Jun '13	SAVE	Book BY 26 Jul '13	SAVE	Book BY 30 Aug '13	SAVE	Book AFTER 30 Aug '13
2 Forum Days	1390 €	300	1490 €	200	1590 €	100	1690 €

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REGISTER ONLINE: www.microgridforum.com/register-now/

Delegates are responsible for the arrangement and payment of their own travel and accommodation. The Microgrid Forum has arranged a special room rate at the Hotel where the conference will take place.

FORUM VENUE

Movenpick Hotel Amsterdam City Centre
 Piet Heinkade 11
 1019 BR Amsterdam
 Tel. +31 (0)20 519 1200
www.moevenpick-amsterdam.com



This hotel is located in the heart of Amsterdam, in the new hotspot alongside the water's edge. It is within walking distance of Central Station (free shuttle bus is available). Adjacent to the hotel is the modern Muziekgebouw (Concert Hall) and Bimhuis (a world-famous jazz club).

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Dufresne producers of the The Energy Storage World Forum, which is an annual conference taking place in Asia and Europe is now producing the Microgrid Forum. Our past 6 Energy Storage World Forums locations include Beijing, Tokyo, Paris, Barcelona, Rome and Berlin. Over 1,000 delegates and a total of 270 speakers from 28 countries attended our specialist events and masterclass workshops. The Forum also has a very active group called Energy Storage World Forum, on LinkedIn (join here: <http://goo.gl/Fpjmje>) with over 3500 selected members discussing key issues and solutions on a daily basis. The Microgrid Forum will benefit from the insights and research gained from the active community of delegates, speakers and online members from the Energy Storage World Forum worldwide.

TERMS & CONDITIONS

PAYMENT INFORMATION

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All transfer charges will be paid by the attendee. Attendance will only be permitted upon receipt of full payment. An invoice with the participant's details will be issued electronically after the payment has been made. Please treat the invoice as the ticket to entry. No VAT (IVA) will be charged to the prices listed.

Dufresne Private Ltd holds the right to entry, identification required.

CANCELLATION/SUBSTITUTION

Should you be unable to attend, a substitute from the same company is always welcomed at no extra charge. Alternatively we can make a refund less a service charge of 10% of the fee for cancellation received in writing (email or fax) no later than 17 July 2013. Where notice is given between 18 July and 17 August, refunds will be of 30% of the fee. Regrettably no refunds can be made for cancellations received after 7 August 2013.

IMPORTANT NOTE

The Microgrid Forum (Dufresne Private Ltd) believes in content and conference quality. Due to unforeseen circumstances the programme may change and the Microgrid Forum reserves the right to cancel or alter the content and timing of the programme or the identity of the speakers for reasons beyond its control and will not be held accountable for any costs incurred by the participants.

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