

European Smart Grid Strategies

Achieving a Successful Transition

17-18 September, 2009

Hilton Berlin

Berlin, Germany



Some of the key speakers will include:

- **Hans-Josef Fell**, Member of the German Parliament, Chairman, **Energy Watch Group**, Germany
- **Ronnie Belmans**, Chairman, **Elia**, Professor of **KU Leuven**, Belgium
- **Nikos Hatziargyriou**, Vice Chairman and Deputy Chief Executive Officer, **Public Power Corporation**, Greece
- **Terje Gjengedal**, Vice President of New Energy, **Statkraft**, Norway
- **Tahir Kapetanovi**, Director Electricity, **Energie-Control**, Austria
- **Peter Tomaszewski**, Head of Contract Sector Euratom Supply Agency, **European Commission**, Luxembourg

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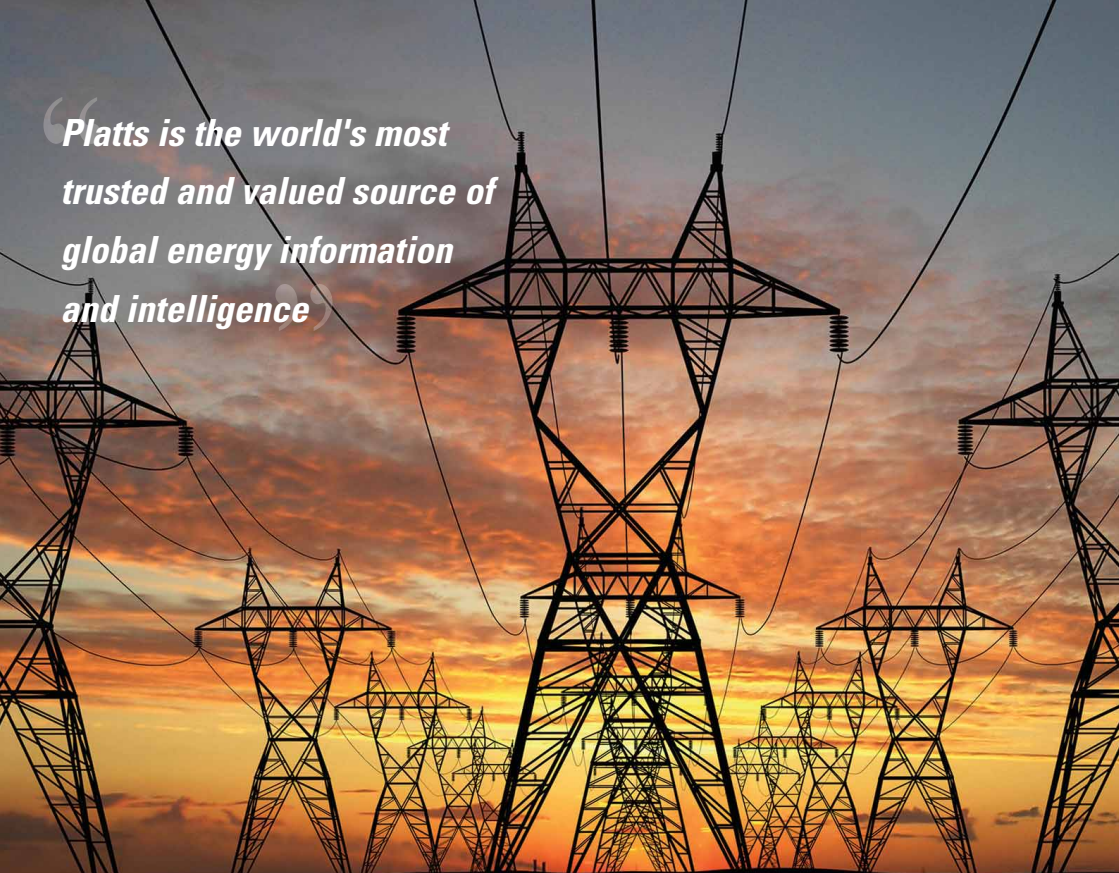
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European Smart Grid Strategies *Achieving a Successful Transition*

The paramount importance of using smart technologies for generating, transmitting and distributing electricity has been reaffirmed by the European Commission through its proposed new energy market legislation.

The smart grid will allow connected utilities to move electricity around the system as efficiently and economically as possible. It will add extra control, monitoring, analysis and communication capabilities to the European electrical delivery system to optimise flow while reducing use.

The smart grid will also draw benefits from new technologies, including hybrid electric vehicles, distributed generation, solar energy, smart metering, lighting management systems and distribution automation.

Building on the success of its energy events in Europe, Platts will hold its inaugural **European Smart Grid Strategies** conference in Berlin on 17-18 September. It will explore in depth all the core sector areas as well as significant related topics, including optimising grid infrastructure, integrating large-scale intermittent generation, deployment priorities, finance and incentives, information and communication technology, new markets, users and energy efficiency. The conference will also examine a number of case studies showing how new projects have been implemented across Europe and elsewhere.

Providing unrivalled business and networking opportunities, Platts **European Smart Grid Strategies** conference promises to be an unmissable annual event for all those active across the electricity grid industry.

Key areas to be investigated:

- Hear the latest regulatory updates
- Find out more on incentives and ways of financing the smart grid
- Learn from smart city and electric car pilot projects
- Find out more on micro-grids, distributed energy resources as well as smart metering

Team Discount – Register 3 or more attendees simultaneously and SAVE €360 per person

For more information please contact **Stacey Knox**, telephone **+44-(0)-20-7176-6300**
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Programme

Day one: Thursday 17 September, 2009

08:00 *Registration and continental breakfast*

08:45 **Chairman's welcoming remarks**

Ross McCracken, Editor, Energy Economist, Platts, UK

09:00 **Keynote address: Making the smart grid a reality**

Hans-Josef Fell, MP, Chairman, Energy Watch Group, Germany

Smart grids – the regulatory and legislative framework

09:30 **EU Energy Directive – the sixth legislative framework**

- Exploring the EU legislation and how it is enabling the development of the smart grid
- Setting and meeting national targets for EU member states
- How energy policy translates into financial terms for investors and developers
- Assessing regulatory mechanisms and coordination
- The latest smart metering regulatory updates

Patric van Hoven, Programme Research Officer, Advisor within the EU Sixth Framework Programme, European Commission, Belgium

10:00 **Transmission and smart grids: Getting the best investments**

- Power sector trends in OECD/IEA countries
- Outlook for investments in transmission and smart grids
- Policy and regulatory frameworks as enablers
- Grid investments: A key to security of supply

François Nguyen, Senior Policy Advisor - Electricity Markets, International Energy Agency (IEA), France

10:30 *Networking and refreshment break*

11:00 **Regulation and innovation initiatives for smart grid**

- Smart grids – the customer's perspective
- Ofgem's long term electricity networks scenarios
- Ofgem's current innovation incentives
- Taking innovation further – the initial proposals for the 5th electricity distribution price control

Gareth Evans, Technical Advisor, Head of Profession – Engineering, Ofgem, UK

11:30 **The European power system: New challenges for Transmission System Operators (TSO)**

- Reinforcement of electricity networks optimisation requirement using a combination of means
- Looking at the different initiatives adopted by TSOs aiming to develop a European smart power system and efficient European electricity
- Using the same initiatives to meet the coming challenges from the EU energy policy targets for 2020 and beyond

Emanuele Colombo, Manager Power System and Markets, R&D Department, Executive Board Senior Advisor, RTE, France

Enhancing European grid operation and activity

12:00 **Smart grids: From a vision to the implementation**

- New grids challenges
- The SmartGrids platform contribution and work in developing its vision paper and Strategic Research Agenda

- Deploying the technology to the benefit of the customer
- Overcoming technical problems as well as legal and economic hurdles

Ronnie Belmans, Chairman, Elia, Vice Chairman and Professor of KU Leuven, Belgium

12:30

Networking lunch

14:00

Case study: Mannheim – the intelligent model grid

- The Mannheim model city e-energy project – success factors and enablers
- The new business model and incentive systems
- Successful integration of changed processes, using service-oriented software architecture
- Exploring the project's new concepts
- ISET: The next stages in the project

David Nestle, Head of Decentralised Energy Management Group, ISET, Germany

14:30

The smart grid in reality – a case study of SmartGridCity™ implementation in Amsterdam

- From theory to practice in the smart grid – a review of the real experiences of municipalities/utilities that are implementing the SmartGridCity™
- Illustrating the journey, the drivers, the actors and the challenge
- Discussing the status, the results so far, the lessons learned
- Introducing the intelligent city network

Maikel van Verseveld, Partner, Accenture, The Netherlands

15:00

Networking and refreshment break

15:30

Active load management – business potential on the demand side

- Short and long-term demand growth was satisfied by capacity additions on the generation and grid side in the past
- The demand side can significantly contribute to reduce future capacity requirements and increase system reliability
- 10-15% of peak load reduction
- Up to 30% reserve capacity provisioning from demand side

Inbar Lasser-Raab, Senior Director of Marketing, Network Systems and Smart Grid Solutions, Cisco, USA

16:00

Poland grid and smart technologies case study

- Poland particular grid and specific challenges
- Where and when standard solutions did not work and others might perform very well
- How smart grid is part of the solution

Peter Tomaszewski, Head of Contract Sector Euratom Supply Agency, European Commission, Luxembourg

Integrating large-scale intermittent generation

16:30

Large-scale integration of wind power

- Maximising opportunities from large wind farms onshore and offshore, plus wave and tidal technology-based generation in the future
- The need for coordinated offshore networks for interconnection and utilisation of generated electric power
- Is offshore generation integration achievable in the short term?
- What application research is yet to be completed?

Terje Gjengedal, Vice President of New Energy, Statkraft, Norway

Integrating electric vehicles in smart grids

17:00 Smartening the grid for electric transportation

- Perspectives for electric transportation
- Enexis' Mobile Smart Grid concept
- Practical experience
- The road ahead

Han Sloopweg, Manager Innovation, **Enexis**, Germany

17:30 Electric vehicle, a new building component? Moving toward an energetic autonomy for building and transport

- Connecting energy producers to consumer buildings
- Strategy control to rationalised local photovoltaic production
- Results on one year simulation using photovoltaic data collected through TRNSYS 16
- Evaluating different resulting scenarios on electric household consumption and vehicle use

Yves Marcoux, Project Manager, **Centre Scientifique et Technique du Bâtiment**, France

18:00 Networking reception

sponsored by Cisco



Day two: Friday 18 September, 2009

08:30 Continental breakfast

09:15 Chairman's welcome and review of day one

Ross McCracken, Editor, Energy Economist, **Platts**, UK

09:30 Smart grid, electricity market and regulation

- History and prospects of electricity grids' smartness
- Impact of distributed generation and other developments
- Regulatory views
- Prospects for the future

Tahir Kapetanovic, Director Electricity, **Energie-Control**, Member, **EU TP SmartGrids Advisory Council**, Austria

10:00 The future of intelligent distribution networks

- Increasing complexity in distribution due to increased share of renewable generation
- As a consequence, mainly manual management of distribution networks needs to be replaced by automated grid management
- Significant reduction in grid losses and outages by new technologies
- Streamlined operations by automated processes
- Increased asset lifetime by improved maintenance

Dr. Christian Feißt, Industry Lead Utilities, Internet Business Solutions, **Cisco**, Germany

Information and communication technology and distributed energy resources

10:30 ICT as an enabler

- ICT-based energy system of the future
- Facilitating self management for future distributed energy systems

- Install the network control system including new functions for optimal integration of decentralised generation

Senior Representative, Federal Minister of Economics and Technology, Germany

11:00 Networking and refreshment break

11:30 Distributed intelligence critical component for sustainable power

- Advanced architectures and control concepts for more microgrids
- Development of alternative control strategies - centralised vs. decentralised
- Standardisation of technical and commercial protocols and hardware

Nikos Hatzigiorgiou, Vice Chairman and Deputy Chief Executive Officer, **Public Power Corporation**, Greece

12:00 Metering access practice and strategies

- Roles within the metering data chain across different market models: Lessons learnt from international experience
- Collateral impact on downstream market processes: Settlement, supplier change, position notification (balance management) and future impact of demand response
- Transitioning to smart metering arrangements

Bastian Fischer, Vice President and General Manager, **Oracle Utilities Global Business Unit EMEA**, Germany

Active distribution networks deployment priority

12:30 Micro grids deployment

- Developing micro grids – background and technical aspects
- What is the scope for micro-generation?
- Control strategies to ensure efficient, reliable and economic operation
- Determining the economic benefits
- Case study: Felix project on micro grids, metering and commercial arrangements

Ana Gonzales Bordagarai, Distribution Planning, **Iberdrola Distribution Electrica**, Spain

Project Finance and Investment

13:00 Financing smart grid technology

- What technologies are needed to upgrade the ageing power delivery infrastructure?
- What is the role of the smart grid in phasing in the delivery of renewable energy?
- Who will pay for smart grid and energy storage technologies?
- Smart grid financing – Europe vs. US

Anne McIvor, Editor, **CleanTech Investors**, UK

13:30 Close of conference



Sponsorship opportunities

Sponsorship of Platts **European Smart Grid Strategies** conference offers you an unparalleled opportunity to be associated with the Platts' brand and it will demonstrate your organization's strengths and capabilities to an audience of senior industry decision makers. This opportunity will enable you to:

- Build lasting relationships with senior decision makers
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To find out more information on the opportunities available please contact **Michelle Thorby**:
Phone: **+44-(0)-20-7176-6229** E-mail: **michelle_thorby@platts.com**

Hotel Information

Hilton Berlin
Mohrenstrasse 30
10117 Berlin
Germany

A limited number of rooms have been reserved for Platts **European Smart Grid Strategies** conference participants at the Hilton Berlin at the preferential rates listed below. The discounted rates are for the nights of 16-17 September, 2009 only and will be honoured until **2 September, 2009** — based on availability.

Room rates:

- €170 per night for single or double occupancy
- Supplementary buffet breakfast charge: €25

Reservations:

- Tel: **+49 (0) 302 0234 255**
- Email: **reservations.berlin@hilton.com**
- Please be sure to mention that you are a participant of the Platts **European Smart Grid Strategies** conference in order to receive the preferential rates available.

Check in/out times:

Check in 15:00 and check out 11:00

Hotel facilities:

- Business centre is available from 07:00 until 19:00
- Complimentary use of health club and swimming pool
- Discounted sauna use of €12.50 per person



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Registration form: Platts European Smart Grid Strategies conference

Pricing details

Standard rate: €1395.00 + VAT @ 19% per person

Credit card discount: Save €100 off the standard rate when paying in full at time of registrations with a credit card.

Group booking: €1035.00 + VAT @ 19% per person*

*Price applicable when you register three or more delegates simultaneously for the same organisation.

The full conference registration is payable in advance, failure to do so will require you to guarantee your place by credit card. The delegate fee includes breakfast, luncheon, refreshments and post-conference documentation.

NOTE: Platts EMEA Conferences advertise the conference fees in Euros. However, please note as an American company we must invoice in US dollars, which are fixed at the beginning of the campaign. Please be aware that any subsequent currency exchange rate fluctuations will cause a slight variance in the total amount charged for the conference. Thank you.

Substitution and cancellation

If you are unable to attend the conference for any reason you may transfer your registration to a member of your organisation at any time, but please give us prior notice to ensure we have the correct details for administration purposes. If you wish to cancel your booking we must receive notice in writing before 27 August, 2009 and you will be entitled to a refund of the delegate fee paid less the administration fee of €300 + VAT. Cancellations received on or after 27 August, 2009 will not be refunded, but you may transfer your registration to a member of your organisation.

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