



E-Energy Congress 2011

Today, all around the world, energy systems are in the process of being reconceptualised. Government, science and the energy sector are working together to find solutions that will help us make better and more efficient use of available resources. The goal is to integrate renewable energy resources and decentralised power generators into the overall electricity supply system and to optimise the efficiency of power generation processes across the entire spectrum of transport, distribution, storage and end-use. Information and communication technologies (ICT) play a decisive role in these efforts: that's why ICT-based approaches are referred to as "intelligent" or "smart". In Germany, activities involving smart grids have been pooled within the E-Energy flagship project. Here, technology partnerships in six model regions are developing and testing an energy internet. Innovative business models are being developed that will offer key market opportunities to current providers as well as new energy market participants.

A milestone on the way toward the energy internet

The second E-Energy Congress marks a milestone in the implementation of the E-Energy flagship project. All six model regions have begun testing their solutions under real conditions involving producers, grid operators and electricity consumers. As the concepts were being developed, one thing that became particularly evident was the need to have a clear legal framework and uniform standards. These two factors are crucial for enabling developers and investors to come up with solutions that can achieve quick market penetration and that meet with a positive response from end users. The stakeholders in the E-Energy project have worked together with relevant standardisation institutions to lay important groundwork toward this goal.

Partners in the business community

The success of e-energy will have tremendous significance for German industry. Businesses in the energy and ICT sectors will have a decisive influence on how e-energy develops. Access to a secure, affordable and environment-friendly supply of energy is of paramount importance to all companies. For this reason, the Federation of German Industries (BDI) is working together closely with business and science to develop scenarios that map out Germany's transition from today's energy landscape to tomorrow's energy internet.

Germany's over 900 grid operators are also playing a key role in the development of smart grids. They are already now confronting the challenges that come with the increasing decentralisation of power generation. A wide range of actors – including municipal utilities and regional electricity suppliers as well as small and large grid operators – can benefit from the technologies that are being developed and tested within the framework of the E-Energy project. Many of them are members of the German Association of Energy and Water Industries (BDEW).

Smart grids will also open up completely new areas of business and growth for businesses in the ICT sector. The Federal Association for Information Technology, Telecommunications and New Media (BITKOM) has launched a working group on e-energy that serves as a knowledge centre and point of contact for partner sectors, policymakers and regulatory authorities when it comes to all questions relating to the role of information technologies in the field of e-energy. Many BITKOM members are involved in the E-Energy project and in other smart grid initiatives as well. The BDI, the BDEW and BITKOM are all partners of the E-Energy Congress 2011.

Registration

If you want to find answers to key e-energy questions – What progress have the E-Energy model regions made in their research and development efforts so far? What will the standardisation process look like? What legal and regulatory frameworks will be set up? – then you are warmly invited to attend the E-Energy Congress 2011.

The number of participants is limited. Only participants with confirmed registrations will be admitted to the Congress.

You can register online today at www.e-energy.de. This website also provides detailed information on the Congress.

If you have questions about the E-Energy Congress or the registration process, contact us at kongress@e-energy.de.

Partners



Invitation

E-Energy Congress

11./12. January 2011

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Programme Tuesday, 11 January 2011

10:00 hrs

Opening of the E-Energy Congress 2011

Rainer Brüderle, Federal Minister of Economics and Technology

Hildegard Müller, Chairperson of the Executive Board, BDEW

Dr. Werner Schnappauf, Director General and Member of the Presidential Board, BDI

11:00 – 11:30 hrs

Smart grids – seizing opportunities with ICT

Prof. Dr. Dr. August-Wilhelm Scheer, President, BITKOM

11:30 – 12:00 hrs

Standards: the basis for success in smart grid technology

Prof. Dr.-Ing. Klaus Wucherer, President, International Electrotechnical Commission (IEC)

12:00 – 13:00 hrs

Lunch

13:00 – 13:30 hrs

Smart grids – paving the way for renewable energy

Dr. Norbert Röttgen, Federal Minister for the Environment, Nature Conservation and Nuclear Safety (to be confirmed)

13:30 – 14:10 hrs

Smart Grids in the EU

The point of view of major energy suppliers

Dr. Erik Landeck, EURELECTRIC Networks Committee, Managing Director of Vattenfall Distribution GmbH

The point of view of regional distributors

Peter Moray, Director, European Utilities Telecom Council (EUTC)

14:10 – 17:40 hrs

Smart Grids in Germany

Moderated presentations with video segments and question/answer session with audience

Best practices in the E-Energy model regions – Part 1

Coffee break

Best practices in the E-Energy model regions – Part 2

17:40 – 18:00 hrs

Smart grids: standards are essential

Germany's road map for smart grid standards

Dr. Bernhard Thies, Managing Director, German Commission for Electrical, Electronic and Information Technologies (DKE) at the Association for Electrical, Electronic and Information Technologies (VDE)

18:00 hrs

Get-together with E-Energy stakeholders

Programme Wednesday, 12 January 2011

9:00 hrs

Welcoming remarks

Stefan Schnorr, Deputy Director General for Information Society and Media, Federal Ministry of Economics and Technology

9:15 – 10:30 hrs

Building the foundations for long-term and sustainable developments

Fostering exchanges: national and international platforms for co-operation

Michael Hübner, Austrian Ministry for Transport, Innovation and Technology (BMVIT)

Standards: a key success factor for industry

Dr. Orestis Terzidis, Spokesperson, BDI E-Energy Task Force

Data protection and data security: what can consumers expect?

Dr. Holger Krawinkel, Department Head for Housing, Energy and Environment, Federation of German Consumer Organisations

Smart grids and their costs: incentives and business processes from the regulator's point of view

Johannes Kindler, Vice President, Federal Network Agency

10:30 – 11:00 hrs

Coffee break

11:00 – 13:00 hrs

Meet the Experts

Four parallel sessions:

1. Standardisation: Goals and work processes
 2. Guidelines for developing legal and regulatory frameworks
 3. Data protection and data security: requirements and concepts
 4. E-Energy model projects: from flagship to wide-spread dissemination
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13:00 – 14:00 hrs

Business and society working together toward the same goal: necessary strategic alliances between government and business

Roger Kohlmann, Member of the Executive Board, BDEW

E-Energy: what are the next steps?

Dr. Andreas Goerdeler, Head of Division, Development of Convergent ICT, Federal Ministry of Economics and Technology