



Invitation

SMART GRIDS WEEK SALZBURG 2010

Austrian Smart Grid Pioneers in Dialogue
Guest Countries: Germany and Switzerland

D-A-CH Workshop
Conference

June 22, 2010
June 23 to 25, 2010

In the coming years our energy systems will face massive challenges. The classical hierarchical structure of the energy industry along the lines of "a central producer distributes power to many small users" is being turned upside down. The power supply system is the key to effectively linking relevant social topics such as climate protection, energy efficiency and decentralised energy production.



Salzburg AG sees this challenge as an opportunity and is actively working on its development. Already last year, in cooperation with BMVIT, the joint "Smart Grids Salzburg" strategic approach was prepared. Now, the first Smart Grids model region in Austria will officially start with funding from the climate and energy funds. Again as host of this event, we look forward to welcoming you to "Smart Grids Week 2010" and wish you much success at this interesting event.

August Hirschbichler and Arno Gasteiger, Board Members of Salzburg AG for Energy, Transport and Telecommunications

The development of smart grids is an essential basic prerequisite for intelligent future energy systems. It represents one of the most difficult economic challenges worldwide. We do realize that this is an important technology field in the international context. Here Austria can play an important role within the peer group of "innovative leaders".



It is the task of modern and rational energy and technology research policy to develop strategies for a safe, environmentally friendly and economic energy supply system. The "Smart Grids Week" contributes to cope with this aim.

Therefore, I am especially pleased that we are organizing the Smart Grids conference for the second time in Salzburg and I would like to thank all those who took the initiative. Especially I would like to thank our partner countries, Germany and Switzerland, for their engagement. It is our joint goal to develop future oriented concepts and solutions in the field of smart grids and to initiate their implementation.

Doris Bures, Federal Minister for Transport, Innovation and Technology (BMVIT)

SMART GRIDS-WEEK SALZBURG 2010

Austrian Smart Grid Pioneers in Dialogue Guest Countries: Germany and Switzerland

Initiated by the Federal, Ministry for Transport, Innovation and Technology (BMVIT) and based on the results of the research programmes of BMVIT, an intensive discussion process on the topic of Smart Grids – Electricity Networks of the Future – has started some years ago in Austria. This early positioning and the high commitment of scientists and researchers, grid operators and industry, as well as the already existing specific know-how in Austria have contributed to the development of trend-setting research projects. First pioneer regions are already engaged in the questions of the implementation of these new system solutions.

The aim of the Austrian annual SMART GRIDS WEEK is to present national initiatives and research projects as well as to lead a discussion on the topic among stakeholders from industry, research, administration and public authorities. This year's conference is dedicated to the topics: Smart Grids in the European context; options for cooperation, especially in German speaking countries ("Smart Grids D-A-CH"); international exchange of experience as well as intense networking with players at the European level.

Focus of Smart Grids Week Salzburg 2010:

- > Presentation of Austrian pioneer regions
- > Discussion of the activities of the "Smart Grids D-A-CH" countries in the context of European initiatives and demonstration projects
- > First concrete steps to implement the "Smart Grids D-A-CH" research cooperation between Germany (D), Austria (A) and Switzerland (CH)
- > Presentation of current research tenders with project panel and consultancy for project submission

Smart Grids-D-A-CH Workshop Salzburg AG, Bayerhamerstraße 16, 5020 Salzburg, Österreich

Tuesday, June 22, 2010

The objective of the Smart Grid D-A-C-H Cooperation is the joint and coordinated support of innovations for intelligent energy systems of tomorrow. In particular it focuses on the development of information and communication technology products, procedures and services to reduce energy cost, increase the security of supply and improve climate protection. Special attention will be paid to the exchange of experience from pilot projects in the D-A-CH Countries (Germany, Austria and Switzerland). The Smart Grids D-A-CH Cooperation provides the necessary structures and contributes thus to accelerating the implementation of intelligent energy systems in the D-A-C-H countries and enabling far-reaching interoperability of technical processes and products.

Smart Grids Conference 2010

Congress Salzburg, Auerspergstraße 6, 5020 Salzburg, Austria

Wednesday, June 23, 2010

8.00 Registration

9.00 Welcome and Opening

Arno Gasteiger, Board Member, Salzburg AG for Energy, Transport and Telecommunications, Austria

Ingolf Schädler, Deputy Director General, Innovation and Telecommunications, Federal Ministry for Transport, Innovation and Technology (BMVIT), Austria

Gabi Burgstaller, Governor of the Province of Salzburg, Austria

Welcoming Words of the D-A-CH Countries :

Stefan Schnorr, Federal Ministry of Economics and Technology, Germany

Rolf Schmitz, Swiss Federal Office of Energy SFOE, Switzerland

NATIONAL AND INTERNATIONAL STRATEGIES AND INITIATIVES

Chair: Michael Hübner, Federal Ministry for Transport, Innovation and Technology (BMVIT)

9.45 Key Note: Smart Grids in a Global Context

David Elzinga, International Energy Agency IEA

European SET Plan and Smart Grids

Patrick Van Hove, Unit K2 "Energy Conversion and Distribution Systems", DG for Research

European Smart Grids Task Force

Manuel Sánchez-Jiménez, European Commission, Policy Officer, Electricity and Gas Markets, DG Energy

10.45 BREAK

11.15 European Industry Initiative Electricity Grids EEGI

Livio Gallo, Head of Networks and Infrastructure Division, ENEL, Italy (t.b.c.)

Smart Grids in the Austrian Energy Research Strategy

Michael Paula, Head of Division Energy and Environment Technologies, Federal Ministry for Transport, Innovation and Technology (BMVIT), Austria

Proposals for Measures for the Austrian Energy Strategy

Gerald Vones, Federal Ministry of Economy, Family and Youth, Austria

The Austrian Climate and Energy Funds (KLIEN)

Theresia Vogel, Managing Director, Climate and Energy Funds, Austria

12.15 Panel: Smart Grids R&D Programme D-A-CH and Europe

Representatives of the Morning Session and

Jens Brinkmann, Federal Ministry of Economics and Technology, Germany

Michael Moser, Swiss Federal Office of Energy SFOE, Switzerland

13.00 LUNCH BREAK

SMART GRIDS: PERSPECTIVES FOR AUSTRIA

Chair: Albrecht Reuter, Board Member, Fichtner IT Consulting AG

14.00 Re-thinking Energy

Professor Hartmut Esslinger, Institute of Industrial Design, University of Applied Arts Vienna, Austria and Founder of frog design

14.30 Panel Discussion: Energy Infrastructures Tomorrow – Opportunities for the Austrian Economy

*David Brenner, Vice Governor of the State of Salzburg
Wilfried Haslauer, Vice Governor of the State of Salzburg
August Hirschebichler, Salzburg AG
Tahir Kapetanovic, E-Control
Gerd Pollhammer, Siemens Austria
Johannes Reindl, EVN Netz
Ingolf Schädler, Federal Ministry for Transport, Innovation and Technology
Georg Serentschy, RTR
Leo Steiner, IBM Austria
Walter Tenschert, Energie AG Oberösterreich Netz
Erwin Teufner, Alcatel-Lucent Austria
Andreas Urschitz, Infineon Technologies Austria (t.b.c.)*

16.30 BREAK

17.00 Poster Presentations in the Foyer

EVENING RECEPTION AT THE INVITATION OF SALZBURG AG FOR ENERGY, TRANSPORT AND TELECOMMUNICATIONS

18.30 Meeting point: Salzburg Congress
19.00 Unique behind-the-scenes look at the Salzburg Festival
20.00 Reception and festive dinner in the Salzburg Residence
23.00 Touching Finale at the gothic Franciscan Church

Thursday, June 24, 2010

SMART GRID PILOTS IN AUSTRIA & EUROPE

Chair: Ludwig Karg, E-Energy Programme Management

9.00 Welcome and Introduction

Michael Hübner, Federal Ministry for Transport, Innovation and Technology, Austria

Smart Grid Demo Regions

9.15 IBM's Smart Grid Implementation Experiences

Nis Jespersen, IBM Denmark & Rudolf Pailer, IBM Austria

Smart Infrastructure Salzburg

Michael Strebl, Managing Director and Thomas Rieder, Salzburg Netz GmbH, Austria

More Microgrids – Innovative Local Controls to Improve Grid Stability

Asier Gil de Muro, Fundación Labein, Energy Department, Spain

10.30 BREAK

11.00 Model Region of Murau

Kurt Schauer, Managing Director, Wallner&Schauer, Austria

E-Energy: Methods and Results of the Evaluation

Professor Thomas Hartkopf, Institute for Electrical Energy Systems, Technical University of Darmstadt, Germany (t.b.c.)

Discussion

12.00 LUNCH BREAK

Smart Technology

13.00 Introduction

Helfried Brunner, Deputy Head of Business Unit Energy Department, AIT Austrian Institute of Technology, Austria

Infrac's Vision on Smart Grids

Filip Truyens, Infrac, Belgium

Smart Energy Solutions Lab Vienna

Johannes Stadler, Alcatel-Lucent Austria

Smart Meters in Upper Austria - Challenges & Visions

Andreas Abart, Energie AG Netz, Austria

Enterprise Integration for the SmartGrid Era - Challenges and Directions

Stamatis Karnouskos, SAP Research, Germany

Sim Tech Labor and the EU NoE DER Lab

Wolfgang Hribernik, Head of Electric Energy Systems Energy Department, AIT Austrian Institute of Technology, Austria

Open Grid – Open Architecture for Secondary Nodes of the SmartGrid

Friederich Kupzog, Technical University Vienna & Siemens, Austria

15.00 BREAK

Market Adaptations and Customers' Needs

15.30 Introduction

Natalie Glück, UAS Technikum Wien, Austria

Impacts of Smart Grid Business Models

Wolfgang Prügler, Energy Economics Group, Technical University Vienna, Austria

EU FP7 ADDRESS – Active Demand

Cherry Yuen, Head of Research Group - Utility Solutions ABB Switzerland

Customers' Needs and Customer Behavior in the Smart Grids Context

Claire-Michelle Looock, University of St.Gallen, Switzerland

BeyWatch - Interactive Energy Monitoring and Control for Homes and Neighborhoods

Pierre Y. Plaza Tron, Telefonica Investigación y Desarrollo, Spain

17.30 Panel of the National Technology Platform Smart Grids Austria

18.30 EVENING RECEPTION

National Technology Platform Smart Grids Austria

Friday, June 25, 2010

**INTELLIGENT NETWORKS – INFRASTRUCTURE BASIS FOR ENERGY SYSTEMS OF THE FUTURE
Project Forum for Current and Future Research**

Chair: Kurt Schauer, Managing Director, Wallner&Schauer

9.00 Why Smart Grids?

*Michael Hübner, Federal Ministry for Transport, Innovation and Technology, Austria
and Lothar Rehse, Bureau for Ecodesign and Systems Research, Austria*

Perspectives of Decentralised Energy Systems in Austria

Hubert Fechner, UAS Technikum Wien, Austria

Research Promotion for Smart Grids in Austria and at the European Level

*Hemma Bieser, Strategic Programme Management, Climate and Energy Funds,
Austria*

*Siegfried Loicht, European and International Programmes, Austrian Research
Promotion Agency*

10.00 Workshops: The Intelligent Network and its Users

What do Smart Grids user groups really need? How can the benefit be increased and a real added-value be created? What are the resulting research questions?

- > Energy producers – smart infrastructure as the basis for business of the future
- > Power traders – smart trading centre for energy of the future
- > Regions - Smart Grids as the technological basis for the energy region of the future
- > Large customers - Smart Grids as the basis for efficient and economical handling of energy
- > Private customers – the smart consumer as energy users of the future

**12:00 Presentation of Workshop Results – Innovations
for Added-Value Using Smart Grids**

12:30 Presentation of the BMVIT "Smart Grids Pioneer 2010" Award

13.00 Closing Words

Michael Hübner, Federal Ministry for Transport, Innovation and Technology, Austria

13.30 LUNCH

END OF CONFERENCE

During this event, employees from the Austrian Research Promotion Agency and the Climate and Energy Funds provide individual advisory services concerning the submission of projects.

*Helfried Mährenbach, Thematic Programmes, Austrian Research Promotion Agency
Siegfried Loicht, European and International Programmes, Austrian Research Promotion
Agency*

Venues:

>> Smart Grids-D-A-CH Workshop, June 22, 2010
Salzburg AG, Bayerhamerstraße 16, 5020 Salzburg, Austria

>> Smart Grids Conference, June 23 to 25, 2010
Congress Salzburg, Auerspergstraße 6, 5020 Salzburg, Austria

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Further Informationen und Registration:

www.ENERGIESYSTEMEderZukunft.at/smartgridsweek

Cooperation Partners:



With the support of:



ENERGIE 2050 - An Initiative by the BMVIT

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