




**2<sup>nd</sup> General Assembly of the  
European Technology Platform  
SmartGrids**

**“The SmartGrids Revolution  
- making the earth move”**

**8<sup>th</sup> - 9<sup>th</sup> November 2007  
Monastery Banz, Bad Staffelstein,  
Germany**

Organised by the Technology Platform

Supported by OTTI 

## Conference Chairman:

### Pier Nabuurs

Chairman of the Technology Platform,  
Chief Executive Officer KEMA, The Netherlands

## Advisory Council:

### Miguel Ángel Sánchez Forníe

Director Control Systems and  
Telecommunications, IBERDROLA,  
Spain

### Yves Bamberger

Executive Vice-President, Head of  
Corporate EDF R&D, EDF, France

### João Baptista

Executive Director, ELECPOR,  
Portugal

### Ronnie Belmans

Full Professor and Chairman of  
ELIA, K.U. Leuven, Belgium

### Duncan Botting

Head of Technology & Business  
Development, ABB,  
United Kingdom

### Denis O'Brien

Director of Directorate J, DG RTD

### Bernd Michael Buchholz

Vice President, Siemens AG PTD,  
Germany

### Richard Charnah

Technology Director, AREVA T&D,  
United Kingdom

### Maher Chebbo

Vice President Utilities Industry,  
Europe Middle East and Africa,  
SAP AG, Germany

### Venizelos Efthymiou

Network Development Projects  
Manager, Electricity Authority of  
Cyprus, Cyprus

### Livio Gallo

Chief Operating Officer, Infra-  
structure and Networks Division.  
Enel, Italy

### Alfonso González Finat

Director of Directorate D,  
DG TREN

### Edmund Handschin

Professor, University of  
Dortmund, Germany

### Nikolas Hatzigiorgiouris

Professor, National Technical  
University of Athens, Greece

### Nick Jenkins

Professor, University of  
Manchester, United Kingdom

### Tahir Kapetanovic

Director Electricity, Energie-  
Control GmbH, Austria

### Urban Keussen

Managing Director, E.O.N. Netz  
GmbH, Germany

### Raffaele Liberali

Director of Directorate K, DG RTD

### Marianne Moscoso-Osterkorn

International Director, REEEP,  
Austria

### Pier Nabuurs

CEO KEMA, The Netherlands

### Jacob Østergaard

Professor and Head of Centre  
for Electric Technology, Technical  
University of Denmark, Denmark

### Carlo Sabelli

Director Dispatching Activities,  
TERNA, Italy

### John Scott

Technical Director OFGEM,  
United Kingdom

### Norberto Santiago Elustondo

President, Grupo ZIV.S.A., Spain

### Paul Smith

EirGrid, Ireland

### Magdalena Wasiluk-Hassa

Director, PSE Operator, Poland

## Mirror Group:

### H. Avraham Arbib

Director Control Systems and  
Deputy Chief Scientist and Director,  
Division of R&D, Ministry of  
National Infrastructures, Israel

### Rainer Bacher

Swiss Federal Office of Energy  
(SFOE), Head Electrical Networks,  
Switzerland, Vice Chairman

### Philip Baker

Department of Business,  
Enterprise and Regulatory Reform,  
United Kingdom

### Morgan Bazilian

SEI, Department Head - Energy  
Policy Development and John  
McCann, SEI, Ireland

### Jens Bömer

BMU, Germany

### Marie-Pierre Bongrain

Head of Department - Methods and  
Support, Electricity networks, France

### Ruud de Bruijne

Vice Chairman Mirror Group,  
SenterNovem, Expert Renewable  
Energy, The Netherlands

### Angel Chamero

Ministry of Industry, Tourism and  
Trade, Director de Programa, Spain

### Christo Christov

Ministry of Energy and Energy  
Resources, Head of department  
"Energy analysis and prognoses",  
Bulgaria

### Julie Domac

Energy Institute Hrvoje Pozar,  
Croatia

### Jari Eklund

National Technology Agency,  
Finland

### Mircea Eremia

"Politehnica" University of Bucharest,  
Power Engineering Faculty, Romania

### Romano Giglioli

University of Pisa, Electric  
Engineering Department, Italy

### Tore Grunne

Norwegian Ministry of Petroleum  
and Energy, Norway

### Michael Hübner

Austrian Ministry for Transport,  
Innovation and Technology, Austria

### Thilo Krause

Swiss Federal Office of Energy  
(SFOE), Programme Manager  
"Energy Grids", Switzerland

### Gabriel Michaux

FPSE, SMEs, Self-Employed and  
Energy, Directorate-general  
Energy - Energy Policy Division,  
Belgium

### Manuel Montes Ponce de León

Ministry of Education and Science,  
Subdirector General de Programas  
de Fomento de la Investigación  
Técnica Sectorial, Spain

### Lise Nelson

Energinet.dk, R&D Coordinator,  
Denmark

### Frank Nilsen

Research Council of Norway,  
Senior advisor, Norway

### Stavros Papathanassiou

National Technical University of  
Athens (NTUA), School of Electrical  
and Computer Engineering,  
Electric Power Division, Greece

### João A. Peças Lopes

INESC Porto and Faculdade de  
Engenharia, University of Porto,  
Portugal

### Joaquín Serrano

CDTI, Spain

### G. C. van Uiter

Ministry of Economic Affairs,  
Directorate-General for Energy,  
The Netherlands

### Gerald Vones

Chairman Mirror Group, Federal  
Ministry of Economics and Labour  
(BMWA), Austria

### Dagmar Weinberg

BMW, Germany

### Franc Žlahtič

Ministry of Economy of the  
Republic of Slovenia,  
Undersecretary, Slovenia

The Technology Platform is open and accessible, allowing the participation of all active stakeholders. The structure reflects the diverse and complementary activities that are to be undertaken by the Platform, and it ensures that initiatives are taken forward in an active and dynamic manner.

The Technology Platform is steered and monitored by an Advisory Council (AC), nominated in May 2005, which provides guidance on the definition, initiation and implementation of the structure, procedures and work programme.

The Advisory Council has an Executive Group which proposes to the AC the initiatives to lead the Platform in its work programme. The Mirror Group comprises government representatives from 19 countries thus enabling the involvement of Member States, candidate countries and associate countries.

There are currently four Working Groups (WGs) which take responsibility for progressing the work at a detailed level and ensuring that it reflects the engineering and business realities of the electricity sector.

The primary purpose of the SmartGrids European Technology Platform is to enhance the level of coherence between the European, national and regional programmes addressing the challenges of future networks. This will ensure that the challenges and opportunities ahead are responded to efficiently for the benefit of all stakeholders in Europe.

It has implemented this in a number of ways:

- It developed a shared vision for the future development of European grids by involvement of cross industry stakeholders.
- Based on this vision, it developed a Strategic Research Agenda in 2006 to facilitate an initial framework for future European R&D activities.
- It has formed links with equivalent bodies in other countries, particularly North America and Japan, to ensure that international development paths are complementary and consistent with the development of commercial products.
- It has established four Working Groups to focus on specific aspects of system development and to pursue the goal of R&D coherence at this level.

During the General Assembly of April 2006 the Advisory Council of the Technology Platform of Future Electricity Networks presented the shared vision for SmartGrids.

The wellspring for that vision arises from the joint challenges of lower carbon energy sources and the renewal of Europe's electricity grids that are fast approaching the end of their design lives. This presents landmark opportunities for the generation and use of electricity and the transport systems by which it is conveyed.

The European Energy Policy, published and accepted early this year, has strengthened the need for major innovation in electricity networks. Meanwhile electricity market liberalization provides a new context for these major developments and has been a key consideration in setting out a path for effective and efficient changes for the benefit of customers and all wider stakeholders.

Following the publication of the SmartGrids Vision, the Advisory Council, supported and advised by 200 professionals from research institutes, universities, industry, regulators and utilities, have developed a Strategic Research Agenda (SRA) to be a resource for European and National programs. This SRA was published in early 2007.

The many professionals, involved in the European Technology Platform SmartGrids are now preparing a Strategic Deployment Document (SDD) to make SmartGrids a reality - "to make the earth move". This document will describe what has to be done in practical terms and a draft of it will be discussed during the forthcoming General Assembly.

I cordially invite you to join us in reviewing and finalizing this document.

Pier Nabuurs  
Chairman of the ETP-SmartGrids  
Chief Executive Officer of N.V. KEMA

## 1<sup>st</sup> Day: November 08<sup>th</sup>, 2007

Registration and check-in start at 09:00

### 10:00 Opening Session

**Chair: Pier Nabuurs, CEO KEMA, The Netherlands**

Welcome and brief introduction of the Technology Platform  
Chairman Pier Nabuurs, CEO KEMA, The Netherlands  
José Sócrates, Prime Minister of Portugal, President of the  
European Council (tbc.)

Michael Glos, Minister Economic Affairs and Industry  
Germany (tbc.)

#### Recorded Video Message

Janez Potočnik, EU Commissioner for Science and Research  
Dr. Udo Nihage, CEO Siemens AG, Germany (tbc.)

#### Premiere showing of the SmartGrids short video

12:00 Lunch Break and Visit to the Poster Exhibition

**Chair: Rainer Bacher, Swiss Federal Office of Energy (SFOE),  
Switzerland**

### 13:30 Scene Setting Overview

Pier Nabuurs, CEO KEMA, The Netherlands

### 13:45 Networks Near the Edge

A perspective from the SmartGrids Technology Platform  
John Scott, Technical Director OFGEM, United Kingdom

- Are Europe's networks at the cliff edge, or the cutting edge?
- The scale and range of the challenges for Transmission & Distribution
- The need for innovation and fresh thinking
- Some barriers and solutions to the deployment of innovation

### 14:00 Market, Regulation & Investment

Dr. John Llewellyn, Managing Director, Senior Economic Advisor,  
Lehman Brothers, United Kingdom (tbc.)

- An investor's view of SmartGrids, their funding and risks
- Perspective on the appetite for wider energy investment
- New business models, including Virtual Power Plants
- Regulatory frameworks, their impact on investment decisions and the scope for improvements

### 14:25 Technology, Research & Delivery

Jim McDonald, Professor University of Strathclyde, United Kingdom

- Overview of networks research in Europe & the UK
- The value of industrial engagement and how best to structure it
- Key success factors for achieving commercial deployment of innovation
- Securing the right people, adequate funds, and Intellectual Property

14:50 Coffee Break and Visit to the Poster Exhibition

### 15:30 Customers, Energy & Participation

Dr. Corinna Fischer, Free University Berlin (FFU), Germany (tbc.)

- How customers think about energy and about networks
- Do customers want a more active role and will they respond if offered the opportunities
- How can "customer education" be undertaken in these new areas
- Key factors for successful customer involvement in technology

### 15:55 Society, Energy & Interactions

Jaques Vandermeiren, CCO ELIA, Belgium

- How society responds to energy issues and energy networks
- Electricity grids are largely "taken for granted" by customers and by society in general; why is this and is it a satisfactory state of affairs
- The challenge of gaining consents and permissions for development
- How the energy industry can best build constructive external relationships

### 16:20 Panel with the afternoon speakers

**Moderator: Rainer Bacher, Swiss Federal Office of Energy (SFOE), Switzerland**

### 17:00 Visit to the Poster Exhibition

End of the first day of the conference

19:00 Organ Concert

20:00 Conference Dinner

## 2<sup>nd</sup> Day: Friday 09<sup>th</sup>, 2007

### Validating and finalising the Strategic Deployment Document (SDD)

**Chair:** Duncan Botting, Head of Technology & Business Development, ABB, United Kingdom

09:00 Four Working Group Parallel Sessions  
Four parallel Workshops under the moderation of the SmartGrids Workgroup-Leaders. The aim will be to gather inputs and build consensus on the deployment approach.

**WG1: Network Assets**

Edmund Handschin, Professor University of Dortmund, Germany

**WG2: Network Operations**

Tahir Kapetanovic, Director Electricity, Energy-Control GmbH, Austria

**WG3: Demand and Metering**

Maher Chebbo, Vice President Utilities Industry, Europe Middle East and Africa, SAP AG, Germany

**WG4: Generation and Storage**

Nikolas Hatzigiorgiou, Professor, National Technical University of Athens, Greece

11:00 Coffee break and Visit to the Poster Exhibition

11:30 Short Presentations of Working Group considerations

12:10 **Concluding Remarks**

Pier Nabuurs,  
Chairman of the Technology Platform  
Chief Executive Officer KEMA, The Netherlands  
Duncan Botting, Head of Technology & Business Development,  
ABB, United Kingdom

12:30 **End of 2<sup>nd</sup> General Assembly**

12:30 Lunch or Lunch Packages

13:00 Shuttle Buses to Nürnberg and München Airport

## Organisation:

### Conference Organiser

OTTI e.V.  
Eckhardt Günther  
Britta Haseneder  
Department Renewable Energies  
Wernerwerkstraße 4  
93049 Regensburg, Germany  
Phone +49 941 29688-37  
Fax +49 941 29688-17  
E-Mail: [britta.haseneder@otti.de](mailto:britta.haseneder@otti.de)  
[www.otti.de](http://www.otti.de)

## Secretariat:

**Asesoria Industrial Zabala**

Rue Bélliard, 20  
1040 Brussels  
Belgium  
Phone +32 25138122  
Fax +32 25138658  
[secretariat@smartgrids.eu](mailto:secretariat@smartgrids.eu)  
[www.smartgrids.eu](http://www.smartgrids.eu)

Official Homepage of the Technology Platform for the Electricity Networks of the Future: [www.smartgrids.eu](http://www.smartgrids.eu)

## Accommodation:

### Please book your accommodation yourself as soon as possible:

Tourist office Bad Staffelstein  
Phone +49 (0) 95 73 33 12-0  
Fax +49 (0) 95 73 33 12-33

### Stay overnight in Kloster Banz (Monastery Banz)

Monastery Banz has only a few hotel rooms. Please book directly:

Bildungszentrum der Hanns-Seidel-Stiftung e. V.  
Kloster Banz/Monastery Banz  
96231 Bad Staffelstein

Phone +49 (0) 95 73 3 37 0  
Fax +49 (0) 95 73 3 37 33  
E-Mail: info@hss.de

Single room: €55,00/Double room: €85,00 (without breakfast)  
They do not accept credit cards! Distance to next ATM: 3 km

With your registration confirmation you will receive an additional list of hotels near to the conference venue and further information concerning the bus shuttle service.

## Travel Information:



### Next Airport: Nürnberg

From the Nürnberg Airport the subway line U2 to the main station (12 min., without changing), from there take the train to Bad Staffelstein. Via taxi (Phone: +49 800 555-5206) you get to the monastery.

### A bus shuttle service will be provided between Nürnberg/München Airports and the conference venue.

**Frankfurt Airport:** Take the ICE train from the airport to Lichtenfels, then taxi.

**By train:** At the station Bad Staffelstein (distance to the monastery 5 km) or the ICE stop in Lichtenfels (distance 7 km) you have to get off the train. There is no public transport available, please take a taxi to Kloster Banz.

**Taxi Service:** Next station: Bad Staffelstein or Lichtenfels (ICE stop)  
Taxi Company Dütsch  
Phone +49 800/555-52 06

**By car:** Motorway Nürnberg-Bamberg, after Bamberg take the B 173 direction Lichtenfels – Exit Bad Staffelstein Nord and follow the signs to Kloster Banz.

## Conference Venue:

Kloster Banz (Monastery Banz), a unique baroque ensemble, gives you the opportunity for an exchange of experience in a comfortable ambience.

## Prices and Services:

**Conference fee per Person:** € 160,00

Conference fee covers the admission to all sessions, all coffee breaks, lunches, the conference dinner and the conference proceedings.

A bus shuttle service between Nürnberg/München Airports and the conference venue (return) is included and will be provided for registered conference participants.

**Please select bus shuttle option on the registration sheet.**

**The Conference Language is English.**

## Registration Conditions

You will receive the relevant papers and confirmation as soon as we have your registration. The fees are exempt from value-added tax (VAT) and are payable in full upon receipt of the invoice. **Payment must be received no later than 14 days before the conference begins (it has to be settled in EURO). All bank charges have to be covered by the transmitter!** OTTI reserves the right to refuse admission if the amount has not arrived, unless said amount is paid by cheque on the day. In case transferring occurs later than 14 days before the conference, please keep a copy of the transfer order ready and show it in the organisation office at the conference. OTTI reserves the right to change the programme at short notice for urgent reasons. There is no charge for cancellations made at least 35 days before the event starts. If the booking is cancelled 34 days before the start of the conference a service charge of €85,00 will be made. It is possible to rebook once without extra charge. All cancellations must be in writing. Legal domicile and place of fulfilment is Regensburg. It is possible to send a substitute delegate at any time without additional cost.

## 2<sup>nd</sup> General Assembly of the **European Technology Platform SmartGrids**

November 08<sup>th</sup> - 09<sup>th</sup>, 2007 (GSG 2714)

**OTTI e. V.**

**Headword: SmartGrids**

Wernerwerkstraße 4  
93049 Regensburg  
Germany

I will participate.

I will use the bus shuttle service and have selected my choices on the timetable shown on the left.

### Timetable Bus Shuttle

#### Wednesday, November 07<sup>th</sup>, 2007

##### Nürnberg Airport | Kloster Banz (Monastery Banz):

Departure:

1. Bus: approx. 19:30 (bus waits until 20:00)  
 2. Bus: approx. 22:00 (bus waits until 22:30)

Travel time NUE-Banz approx. 1,5 hrs

##### München Airport | Kloster Banz (Monastery Banz):

Departure:

1. Bus: approx. 19:30 (bus waits until 20:00)  
 2. Bus: approx. 22:00 (bus waits until 22:30)

Travel time MUC-Banz approx. 3 hrs

#### Friday, November 09<sup>th</sup>, 2007

##### Kloster Banz (Monastery Banz) | Nürnberg Airport:

Departure:

1. Bus: approx. 13:00 (bus waits until 13:30)  
 2. Bus: approx. 14:30 (bus waits until 15:00)

Travel time Banz-NUE approx. 1,5 hrs

##### Kloster Banz (Monastery Banz) | München Airport:

Departure:

1. Bus: approx. 13:00 (bus waits until 13:30)  
 2. Bus: approx. 14:30 (bus waits until 15:00)

Travel time Banz-MUC approx. 3 hrs

Family name

First name/Mr/Mrs/Ms/Dr/Prof.

Phone/Fax

Profession

Company/Institute

Postal address

Postal code/City

Country

E-Mail

Number of employees

Date/Signature/Company stamp

# Timetable

## European Technology Platform SmartGrids November 08<sup>th</sup> - 09<sup>th</sup>, 2007

	November 08 <sup>th</sup> , 2007	November 09 <sup>th</sup> , 2007
08:30		
09:00		
09:30	Registration Check-in	
10:00		Working Groups Parallel Workshops
10:30		
11:00	Opening Session	
11:30		Coffee break and Visit to the Poster Exhibition
12:00		10 min. presentation from every WG Concluding Remarks
12:30	Lunch break and Visit to the Poster Exhibition	
13:00		
13:30	Scene Setting Overview Networks Near the Edge Market, Regulation & Investment Technology, Research & Delivery	
14:00		
14:30		
15:00	Coffee break and Visit to the Poster Exhibition	
15:30	Customers, Energy & Participation Society, Energy & Interaction	
16:00		
16:30	Panel with the afternoon speakers	
17:00		
17:30	Visit to the Poster Exhibition	
18:00		
18:30		
19:00		
19:30	Organ Concert	
20:00	Conference Dinner	