

Registration

You can register for the event with the added form or online www.web2energy.com

Exhibition

Associated to the Symposium an exhibition is taking place. You are invited to participate at this exhibition. Please find further Information (prices for the booth etc.) at: www.web2energy.com

General Informations

Languages: English, German (simultaneously)

For **general information** concerning the Symposium please contact:

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URL: <http://www.vde.com>

In the case of **cancellation** and provided that written notice is received by March, 12th, 2011, the fees will be refunded, but administrative charges of 50,- € will be counted. If no notice of cancellation is received by this date, no refund can be made.

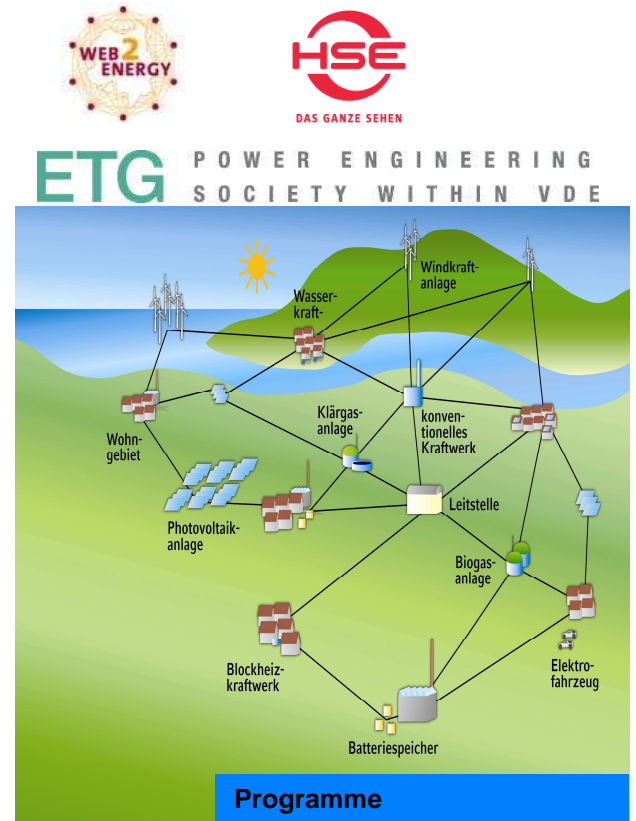
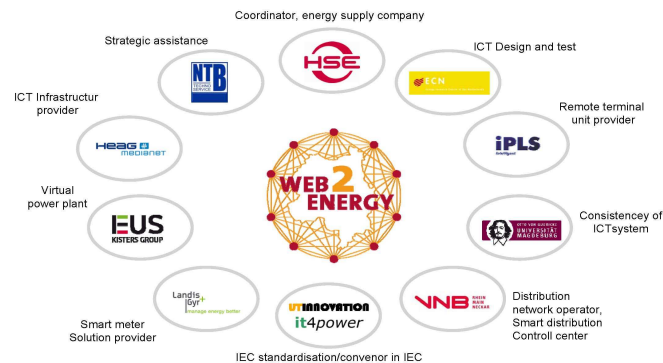
Venue

darmstadium
Wissenschafts- und Kongresszentrum
Schlossgraben 1
64283 Darmstadt



Quelle: darmstadium

Web2Energy Consortium



Distribution systems of the future:

Novel solutions of the information and communication technology as the backbone of Smart Distribution

April, 12th -13th, 2011

darmstadium
Wissenschafts- und Kongresszentrum, Darmstadt
www.web2energy.com



About the Symposium

SmartGrids – Approval in Practice

The European Commission published in 1996 the “Vision and strategy for Europe’s electricity networks of the future - Technology platform SmartGrids” www.smartgrids.eu. This vision caused various activities to deploy innovative ideas and to develop SmartGrids solutions for the different areas of application. Smart Grids are seen as the pre-requisite for the efficiency and sustainability targets in the energy sector of the European Union.

SmartGrids incorporate the latest technologies to ensure a revolutionary change in the area of Electricity supply. New communication technologies will be applied down to the distribution networks for linking the producers and consumers of electricity. A seamless information exchange beginning from the consumer socket up to the control centers of the electric networks is the foundation for the integration of a growing share renewable energy sources, for the further liberalization of the electricity market and for consumer’s participation in this market.

Smart Distribution, Smart Aggregation, Smart Meter, Smart Home – these are often used new terms to describe the large variety of the new solutions

Worldwide are pilot projects in execution – as well in Europe and Germany.

In Germany 6 projects under the brand

E-Energy,

are funded by the Ministry for Economy and the Ministry for Environmental Protection and Reactor Security with the target to develop advanced solutions applying information and communication technologies

to establish SmartGrids and to approve them in practice.

In the same time the European Commission funded 6 projects based on the call „Energy 2009.7.3.5.”

Novel ICT solutions for Smart Electricity Distribution Networks

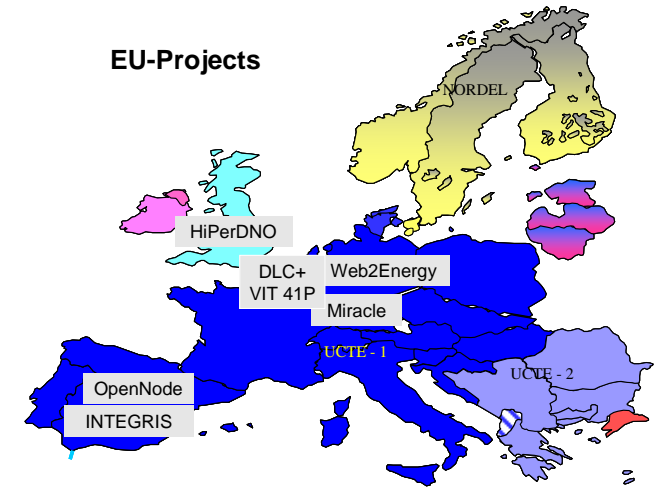
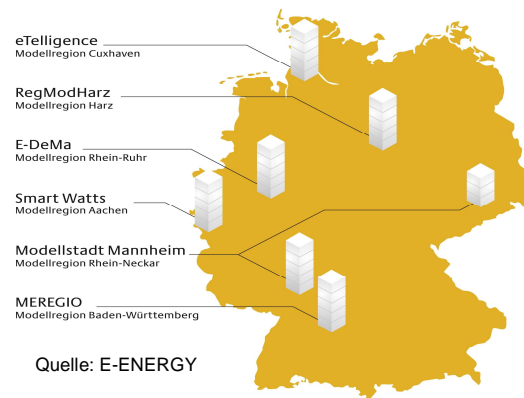
with similar targets. The symposium

Novel Information and Communication technologies as the back bone for Smart Distribution

has the task to bring together the 12 project teams for a public exchange of experience and to consider solutions and results.

The society – especially network operators, solution providers, decision makers, various stakeholders of the electricity market and employees of universities and research institutes as well as journalists are invited to participate and to inform themselves about the latest status of SmartGrids applications in practice.

E-Energy-Projects



Targets of the Symposium

- Exchange of experience between the European and German lighthouse projects.
- Information of the public, of vendors, grid operators and other stakeholders of the energy market, of universities and research institutes about the running lighthouse projects.
- Discussion of the broad dissemination of the project results and how to overcome the existing barriers.

Under the patronage of

European Commission, CIGRE SC C6 "Distribution Systems and Dispersed Generation" and Power Engineering Society within VDE

Organization

HEAG Südheissische Energie AG, NTB Technoservice, VDE

Programme 12.4.2011

| | | | | | |
|--------------|--|--------------|--|--------------|--|
| | Opening and Introduction B. Fenn, HSE, Web2Energy | 16.15 | A. Osterloh, M. Stadler, BTC, H. Rüttinger, Fraunhofer AST, M. Uslar, M. Specht, OFFIS, E. Wieben (EWE Netz), T. Schmedes (EWE), (D) E-Energy Project „eTelligence“ Coupling the Smart Grid to a regional Energy Market using CIM and 61850 (Engl.) | 10.55 | C. Brunner, it4power (CH), E. Melenhorst, UTInnovation (NL), M. Nickel, MediaNet GmbH (D), M. Marschollek, iPLS (PL) EU-Project Web2Energy Seamless communication from the electricity socket up to the control centre and the further tasks in the standardization bodies of IEC (Engl.) |
| 10.00 | Dr. Colette Maloney, European-Commission Opening and Welcome (Engl.) | | | | |
| 10.20 | N. Hatzigiorgiou (GR), Chairman CIGRE SC C6 Welcome (Engl.) | 16.45 | J. Fluhr, RWTH Aachen (D) E-Energy-Project Smart@Watts From the intelligent “Kilowattour” to the market place for energy (German) | 11.20 | 4. Current Barriers and solutions H. Frey, EnBW, Merigio |
| 10.40 | J. Brinckmann (D), Director, Federal Ministry of Economy and Technology With ICT to SmartGrids – a political task (German) | 17.15 | N. Hatzigiorgiou, CIGRE, Z. A. Styczynski, RegModHarz: Conclusions of the day | | V. Buehner, EUS GmbH (D), I. G. Kamphuis, ECN (NL), EU-Project Web2Energy Functions of virtual power plants accordingly the current opportunities (T- Strategy) and in the future after improved regulations (P- Strategy) (German) |
| 11.05 | N. Hatzigiorgiou (GR), C. Schwaegerl (D) CIGRE SC C6 Global activities to establish SmartGrids – an overview (Engl./German) | 18.00 | Come together | 11.40 | B. Buchholz, W. Glaunsinger, VDE/ETG (D) ETG Task Force SmartDistribution The way to success: Consistency of Technology and Regulation (German) |
| 11.45 | Lunch | | Programme 13.4.2011 | | |
| 12.45 | 1. Smart Services and business models N. Hatzigiorgiou, CIGRE | 9.00 | 3. ICT technologies and standards B. Buchholz, NTB Technoservice, DKE, ETG/VDE | 12.00 | Lunch |
| | B. Fenn, C. Jungbluth, HSE AG, D. Thoma VNB (D) EU-Project Web2Energy Three pillars of Smart Distribution and their deployment in the Web2Energy project (German) | | A. Naumann, University Magdeburg (D), V. Kostenko, Delphin Informatika Moscow (RUS) EU-Project Web2Energy Realization of data management with communication using IEC 61850 and CIM data bases for the HMI of control centers (Engl.) | 13.00 | Parallel Workshops |
| 13.15 | A. Kiessling, MVV (D), E-Energy- Project MOMA New Market roles and the relevant business models in the environment of Smart Distribution (German) | 9.20 | L. Corbeira Graell, Endesa Servicios, G. Ravera, La Salle University (E) EU-Project INTEGRIS INTEGRIS: INTelligent Electrical GRId Sensor communications. An ICT system for future Smart Grids (Engl.) | | 1. Business models for new services in Smart Distribution (German.) Moderator: Bernhard Fenn, attorney, HSE AG |
| 13.45 | J. Lorenzo, Atos Origin (E) EU-Project OpenNode Open Architecture for Secondary Nodes of the Electricity SmartGrid (Engl.) | 9.45 | G. A. Taylor, M. R. Irving, Brunel Institut of Power Systems, D. Wallom, S. Salvini, University of Oxford (UK), L. Lewin-Eytan, IBM Haifa (ISR), S Grenard, EDF R&D (F), M. Braun, Fraunhofer IWES (D), P. Lang, EDF Energy Networks Ltd (UK) EU-Project HiPerDNO Developing novel high performance computing and messaging solutions for smart distribution network operations (Engl.) | | 2. Demand Side Management und Demand Side Response – first experiences (Engl.) Moderator: Prof. Zbigniew Antoni Styczynski, Head ETG Task Force „Demand Integraton“ |
| 14.15 | Z. A. Styczynski, University of Magdeburg (D), P. Komarnicki, Fraunhofer IFF (D) E-Energy- Projects RegModHarz and Harz.EE-Mobility Integration of Electromobility into the network operations (German) | 10.10 | H. Hampel, M. Sebeck, IAD (D), H. Pille, KEMA (NL) EU-Project DLC+VIT 41P Distribution Line Carrier from low voltage networks up to substations (German) | 14.30 | 3. New data models for Smart Distribution and the way to updated standards (Engl.) Moderator: Christoph Brunner, it4power, Chairman WG10 IEC TC 57 |
| 14.45 | Coffee break | | | | 4. Barriers on the way to SmartGrids – Which regulatory changes are required?(German) Moderator: Dr. Bernd Buchholz Head ETG Task Force Smart Distribution |
| 15.15 | 2. Market and consumers Z. A. Styczynski, Uni Magdeburg, RegModHarz | | | | Panel – Discussion: cooperation of projects, synergies and prospective: C. Maloney and P. Arsene, EU, N. Hatzigiorgiou, CIGRE, L. Karg, Begleitforschung E-Energy, B. Buchholz, VDE/ETG, B. Fenn, Web2Energy, C. Brunner, IEC, , H- Frey, Merigio Moderator: Z.A. Styczynski, RegMod Harz |
| | H. Berthold, SAP Research, H. Frey, EnBW, (D) EU-Project Miracle / E-Energy- Project MeRegio Impact on the demand profiles through variable tariffs and planning through flexible demand offers (Engl.) | | | 15.45 | P. Arsene, EU, B. Fenn, HSE Conclusions and Action plan |
| 15.45 | M. Laskowski, RWE (D), D. König, TU Dortmund (D) E-Energy-Projekt E-DeMa Experiences from the E-DeMa project (German) | 10.35 | Coffee break | 16.00 | End of the scientific part of the Symposium |
| | | | | 16.30 | Excursions to renewable plants |



Registration for the Symposium „Novel solutions of the information and communication technology as the backbone of Smart Distribution”

Darmstadt/ Germany, Congress Center darmstadtium, April 12th -13th, 2011

Please fill in the form and send it to the following address:

VDE Conference Service, Stresemannallee 15, 60596 Frankfurt/Main / Germany Fax: +49-(0)69 96 31 52 13 vde-conferences@vde.com

Mr. Ms.

Title: Last name: First name:

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Participation Fees (Proceedings, Coffee-breaks, Lunch, Dinner and Excursion included)

Registration before March 12th 2011

Registration after March 12th 2011

Table with 3 columns: Description, Registration before March 12th 2011, Registration after March 12th 2011. Rows include Non-member Cigré/VDE, Cigré/VDE- Member*, Non-member from University/ Graduating Student*, Come Together, 12th April 2011, Excursions to renewable plants, April, 13th, 2011.

* Please send us your member or student ID for the reduced participation fee.

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