ehome
Trade Show and Congress
for Home Networking

ehome Congress "Energy Efficiency and the Connected Home"

Friday, 17 October 2008, 09:00 – 17:30

The discussion about energy efficiency is gaining ever more importance in the context of climate change and increasing energy costs. Energy efficiency is presently given top priority in politics, in the economy as well as in other organisations aiming at achieving savings worth billions and at cutting the CO_2 emissions by x tonnes per year. Insiders call it the "Green IT". Moreover, the cooperation between the building service technologies and IT furthermore provides an enormous potential for supporting energy efficiency. The latest discussions have shown that a performance-related energy consumption, smart metering and smart supply networks – being the smart grids of the future – will have effects on the smart home market as well. Digital grids moreover pave the way for new digital services for the mass market and will increase the demand for new technologies and digital products. These chances and market opportunities will be discussed.

9:30 - 10:00	**Key-note: Energy Savings – the Driving Force of Innovative Building Technologies** Impacts of new laws and regulations on modern building services engineering Speaker: Dr. Rüdiger Kratzenberg, Head of Division B1 – Urban Affairs and Housing, Federal Ministry for Transport, Building and Urban Affairs

Session 1: "From the Grid to the Home"

New research programs, innovative projects as well as successful practical examples from the areas of smart grids and smart metering will be presented dealing with the issue "from the grid to the home"

Moderated by: Dr. Harald Schäffler, Managing Director, EnCT GmbH

	Less energy – more market ***Legal framework, needs, potentials and trends on the European market of smart grids and technologies***
10.00 – 10.20	**The E-Energy competition – a funding program of the Federal Ministry of Economics and Technology** Speaker: Dr. Harald Schäffler, Managing Director, EnCT GmbH
10.20 – 10.40	**Smart Metering – the future is here** Speaker: Martina Schramm, Landis + Gyr GmbH
10.40 – 11.10	**Break**
	Energy and cost efficiency by means of smart metering and innovative load management ***solutions, concepts and added value for EVUs, home automation and end consumers/housing sector***
11.10 – 11.30	**Smart Metering – a market is emerging** Speaker: Jens Berding, Head of Metering, Vattenfall Europe Netzservice
11.30 – 11.50	**E-DeMa - development and demonstration of decentralised energy systems on the way towards the E-Energy marketplace of the future** Speakers: Heike Kück, strategic marketing and Monika Sturm, Head of COC Metering Service Europa, Siemens Energy
11.50 – 12.10	**A controlling concept for load-balancing by using consumer devices with thermal storage** Speaker: Prof. Dr. Michael Sonnenschein, Ontje Lünsdorf, M.Sc. Informatik, OFFIS Institut für Informatik, FuE Dezentrales Energiemanagement
12.10 – 12.30	**Standardisation of communication for meters in houses** Speaker: Dr.-Ing. Werner Domschke, Managing Director, QVEDIS GmbH and Ralf Weger, Kundo Systemtechnik GmbH, Business Development
12.30 – 13.00	**Discussion of session 1**
13.00 – 14.00	**Lunchbreak**

Session 2: "Energy Efficiency inside the Home"

Topical presentations dealing with efficient energy uses, savings potentials of an adaptive home automation as well as examples of innovative building services engineering will be discussed besides energy awareness.

Moderated by: Roland Lüders, specialised journalist

14.00 – 14.20	**Key-note: Increasing demand for new generations of building services engineering** Speaker: Ingrid Vogler, BBU Verband Berlin-Brandenburgische Wohnungsunternehmen e.V.
	Reduction in consumption (savings potential inside home, room automation, interests groups)
14.20 – 14.40	**The energy efficiency potential of an adaptive home automation system** Speaker: Dr. Thomas Schumann, Adhoco AG
14.40 – 15.00	**Energy Saving and Security – Newest Results on the Acceptance of AAL-Technologies** Speaker: Dr. Eva Schulze, Berliner Institut für Sozialforschung GmbH
15.00 – 15.20	**NERO II - power line communication technology for narrowband applications: Contributions to the efficient use of energy** Speaker: Axel Böhner, inprojal elektrosysteme GmbH
15.20 – 15.40	**Energy savings by means of home automation in care facilities** Speaker: Dr. Viktor Grinewitschus, Head of the Fraunhofer inHaus-Innovationszentrum Technik und Innovation, Fraunhofer Gesellschaft FhG IMS
15.40 – 16.00	**Break**
	New products – innovative home automation
16. 00 – 16.20	**Smart Metering with the eHZ system** Speaker: Johannes Hauck, Head of Production Management Residential Enclosures & Metering, Hager, Electro GmbH & Co. KG
16.20 – 16.40	**Single room temperature control: Connected system solution for energy savings** Speaker: Volkmar Land, Product Management Innovative Systems, WILO SE
16.40 – 17.00	**Convergence of mobile phones and home automation** Speaker: Toni Sormunen Director, Smart Home, Nokia Corporation
17.00 – 17.30	**Discussion of session 2**