



1 Smart metering for your television set

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ENERGY EFFICIENCY BY SMART FACILITY MANAGEMENT

The Fraunhofer-Gesellschaft together with the Chambers of commerce and industry of North Rhine-Westphalia invited industrial companies to a conference on "Energy Efficiency by Smart Facility Management".

More than 300 representatives of various companies took part in this event which took place in the Fraunhofer-inHaus-Center in Duisburg. They all learned more about techniques to save and to gain energy in order to stay competitive and to act environmentally friendly.

In close cooperation with manufacturers the Fraunhofer-inHaus-Center conducts research activities on new integrated energy concepts for buildings as well as materials to supply and save energy in an intelligent way.

New techniques and examples were presented in speeches and demonstrations.

Examples for saving energy

- A smart meter shows the energy consumption in detail and monitors it so that the user gets more information on his behaviour.
- Intelligent heating and lighting management with networked components saves energy.
- New Building materials including energy-efficient windows, well-sealed doors, and additional thermal insulation of walls can reduce heat loss.

Renewable Power Supply

- Geothermal energy extracts its power from heat stored in the earth and is supplied to private households and business buildings.
- Photovoltaic solar energy as a primary or additional source of energy