

Smart Metering

With new products KNX offers the chance to electronically record consumption data and to process this data for accounting and billing software products. The increasing variety of products from different KNX manufacturers in this market segment makes this possible.

The solution

The utilization of energy meters for power, heat, fill level monitoring, water meters with electronic data recording and data backup during power outages offers a fail-safe system.

Implementation

Connection of the metering devices to the KNX bus system and coupling to IP allows the display and processing of the data on the touch panel. The visualization can display the recorded and current data of every metering point. The conversion of the data with export functionality to Excel on push of a button from the visualization system allows post-processing for the various accounting and billing software products on the market.

Features

Recording of data for:

- Heat Consumption with heat meters
- Power consumption (different energy meters, flexible with IR interface)
- Water consumption (water meter with KNX connection)
- Fill level meter for tank content (oil, water, liquids)

Advantages

Development of a worldwide standardized system to electronically meter the consumption of different commodities and to convert data for external post processing. The customers can get an overview of the current consumption data at a push of a button and can identify irregularities faster and therefore save time, money and energy.

System Integrator:

KOYNE – System Elektronik Intelligentes Wohnen

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Figure:



KNX Association is the creator and owner of the **KNX** technology – the worldwide STANDARD for all applications in home and building control, ranging from lighting and shutter control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, metering as well as household appliances, audio and lots more. **KNX** is the worldwide STANDARD for home and building control with a single, manufacturer independent design and commissioning tool (ETS), with a complete set of supported communication media (TP, PL, RF and IP) as well as a complete set of supported configuration modes (system and easy modes). **KNX** is approved as a European (CENELEC EN 50090 and CEN EN 13321-1) and an International standard (ISO/IEC 14543-3). This standard is based upon more than 18 years of experience in the market including its predecessors, EIB, EHS and BatiBUS. Over 140 member companies worldwide from different application domains have almost 7000 **KNX** certified product groups in their catalogues. The **KNX** Association has partnership agreements with more than 30,000 installer companies in 80 countries.

www.knx.org

For more information / material please contact:
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Pictures can be downloaded at:
<http://www.knx.org/knx/knx-projects/knx-international-projects/>