

- Collect
 - visualize
 - evaluate and
 - calculate
- energy data anywhere
and anytime online...



WEBfactory® Energy-Management-System

Collection, visualization, evaluation and calculation of energy data of facilities locally distributed via Internet according to DIN EN 16001 / ISO 50001

On the background of ascending energy costs, increasingly stricter environmental specifications and high competitive pressure, the energy management wins more and more significance.

The measures for the reduction of the energy consumption, respectively for raising efficiency in energy generation can be implemented and thus, saving costs, only if energy data are collected, visualized and evaluated.

TRANSPARENT

With the help of the WEBfactory® Energy Management System (EMS) the energy consumption, respectively the generated energy of a facility becomes transparent and the saving, respectively the optimization potential visible.

The WEBfactory® EMS is a Data Warehouse with role-based user access control and alarm per SMS, E-Mail or voice message in event of fault.

OPEN

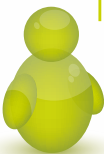
Due to its open communication interfaces, the WEBfactory® EMS is able to consolidate measured data from most various control systems of facilities in one internet portal. This makes the difference especially between WEBfactory® EMS and proprietary remote surveillance solutions.



Reporting & Evaluation



Visualisation online



Communication via DS



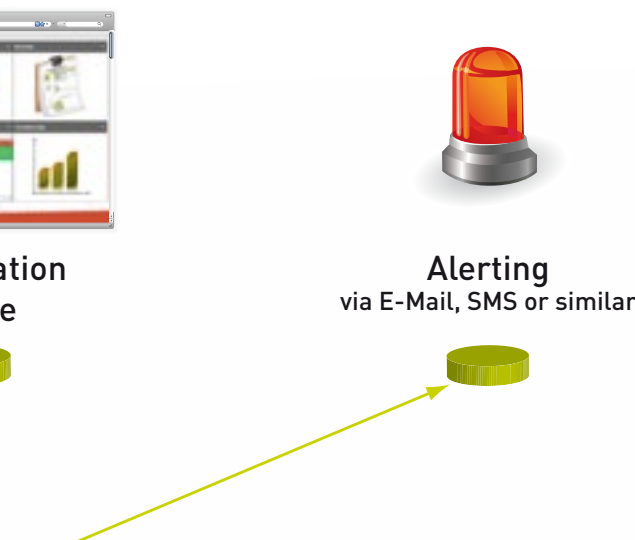
Data via Cabel, DSL,



Renewable energy



Facility man



SIGNIFICANT

Maintenance engineers, Facility Manager, Controller and Facility Operator can monitor in real time via the **WEBfactory® EMS** with the help of a popular browser, the proper operation of their facility at any time and can retrieve significant reports for efficiency and error analysis as well as detailed calculations.

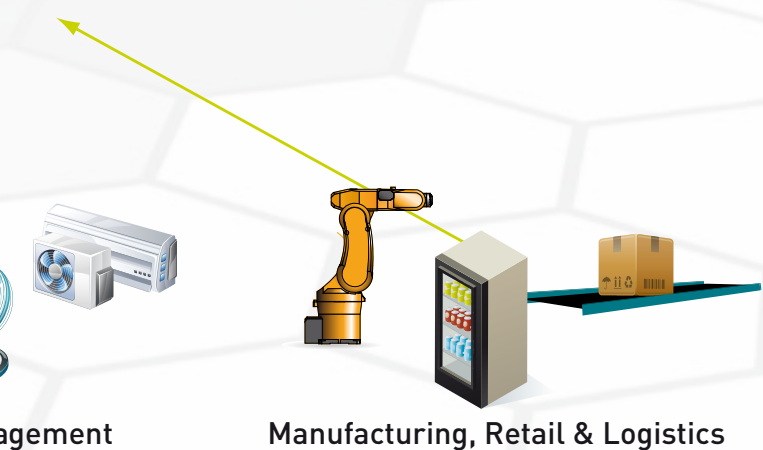
An additional plus: The fully vector-based user interface of the **WEBfactory® EMS** adjusts, without losing quality, at the resolution of the relevant display unit.

User access control

L, GPRS, UMTS...



GPRS, UMTS...



Management

Benefits

- Consolidation of locally distributed facilities in one portal
- Display of all facility data in real time
- Fully vector-based graphics via Microsoft™ Silverlight®
- Detailed evaluation of energy data
- Minimum downtimes of facility by way of immediate notification in event of fault
- User administration with multi-level access rights
- Easy integration of new facilities
- No additional software and hardware is necessary (Standard-Browser and Internet access are sufficient)



**Application area
of the WEBfactory®
Energy-Management-System**

Renewable energy

- Hydroelectric power stations
- Wind-power stations
- Block heating stations
- Photovoltaic facilities
- Geothermal power stations
- Biogas facilities

Facility management

- Heating systems
- Ventilation systems
- Air conditioning systems
- Lighting installations
- Water supply facilities

**Manufacturing,
retail & logistics**

- Treatment and processing facilities
- Heating and cooling systems
- Conveying systems
- Packaging facilities

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