Match dee
to data.

next.energy - Energy Management Soft

In view of constantly in-
creasing energy costs,
reallocation charges and
taxes, saving energy should
actually be self-evident
for tradespersons. All
the big companies already
do it. And they make it
just right: using an ener-
gy management system,
individually customized
to their needs. And so
can you. The company
size doesn't matter here.

Adaptable and customizable

Match deeds to data.

next.energy - Energy Management Software

GCIS Building in Pretoria, South Africa

The government building, award-winning for its solar facade, is equipped with features, such as CO_2 sensor-controlled fresh air supply, sensor-controlled air-conditioned rooms, energy saving lamps, energy management for heating and power generation of the solar plant; humidity sensors take over the watering and fertilizing of the plants at night.

Aurecon Century City Building, South Africa

This is the first building in South Africa to receive five stars in the Green Star rating system. All lamps in the building are connected to a building management system. If the daylight brightens, the lamps are dimmed to reduce power consumption. Motion sensors regulate and reduce the light in the office when no employees are present.

Hotel Verde in Cape Town, South Africa

Since the summer of 2013, South Africa's "greenest" airport hotel has BMS light control, control and monitoring of the heating, ventilation and air conditioning system, energy management of the photovoltaic and wind power plant and ground source heat pump, monitoring of the doors and alarm system, system interface with the hotel management system: Guests receive a discount for each day on which they do not use their air conditioning.

Energy management reduction targets:

· Energy consumption
· Energy costs
· CO_2 emissions
· Dependence on fossil fuels

What? Where? When? How much?

It begins with the analysis of the actual condition and the detailed collection of the actual consumption data. After all, you have to know where to start. Then the search for clues begins, followed by the analysis of the savings potential. The energy management system provides numerous options for the regular recording, evaluation and management of consumption data and operation times.

The answer: **next.**energy

next.energy has been specially designed for the monitoring and management of energy. With **next.**energy we can offer you the right tools for the compilation and analysis of consumption data, for the automatic generation of energy reports and charts in PDF format distributed by e-mail. With its straightforward methods and precisely calculable effort, **next.**energy is the ideal solution to save both energy and costs through efficient use of energy.

The software provides:

· Automated reporting
· Individually configurable reports
· Report history
· Data storage over several years
· Graphic display of online measured values
· Multiple diagrams for comparison
· Operation and monitoring
· Optimization of peak loads
· Individually configurable chart displays
· Automatic value conversion in given units
· Individually configurable value conversion
· Automated accumulation or cleanup of data
· Simple favourites system
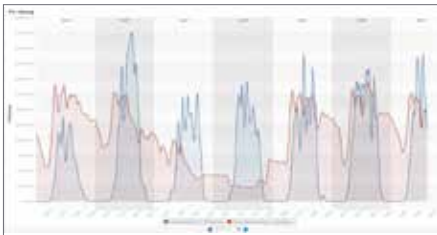· Individually configurable boundary marks

automationNEXT

automate
your world

Self-consumption of Schletter in total

Single record view of the power consumption per hall

Total consumption - self-generated PV power

Real-life example: Schletter GmbH company building

automationNEXT is a partner to the company Schletter GmbH which actively takes part in the further development of this automation system and, besides, the Schletter company building with its extensive production halls is the largest reference plant for the system. More than 400 installed meters for gas and power consumption, for example, record and optimize the energy consumption of the different halls and production areas as well as of large and complex production facilities. Self-generated power provided by the photovoltaic plant on the company building and by the carports as well as by the combined heat and power plant and heat recovery here are typical applications.

The software provides:

· Configuration of measuring instruments
· Visualization of measured values
· Configuration of topology overviews
· Individually configurable user interface
· Freely programmable time function (timeswitch)
· Recording, evaluation and management of consumption data
· Recording, evaluation and management of operation times
· Menu-supported database interface for distributed building automation and central data storage
· Gateway for the coupling of different crafts as well as remote systems of different suppliers
· Instant analysis of all energy data and production data as well as of periods of time
· Identification and analysis of energetic outliers
· Local display: operative monitoring of current power values
· Modular design

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