

b.data Energy Management

Managing energy data at
VW Nutzfahrzeuge in Hanover / Germany



The commercial vehicles division of Volkswagen employs around 15,000 staff at its location in Hanover. In addition to the Transporter and the T5 series Multivan, the Stöcken plant produces the LT light truck. The foundry, which mainly produces cylinder heads, intake manifolds and heat exchangers, is also internationally renowned.

In order to secure its know-how in energy management gained in the past years and to optimize the processes for energy controlling, VWN has decided to implement a flexible, versatile energy management tool.

In the future, having the right information at the right time in the right place will increasingly become a competitive factor. With their innovative approach on the subject of energy management, VWN has taken its first step in the right direction.

Comprehensive energy controlling is indispensable especially in times where energy prices drastically rise. In order to meaningfully represent the development of figures such as energy costs per vehicle, a holistic analysis is necessary. Without the information on whether the change of the figures results from increased energy costs, increased consumption

Energy Management

Answers for industry.

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or efficient utilization of the plant, one cannot make a substantiated statement with regards to an increase in efficiency. With b.data, one has gained access to this relevant information in order to make the necessary adjustments and to meaningfully present the information.

- Energy balancing of the consumer of energy distribution units and allocation to cost units (technologies)
- Calculation of energy taxes and reimbursements
- Energy controlling in order to derive saving potential
- Determining characteristics values for the various areas

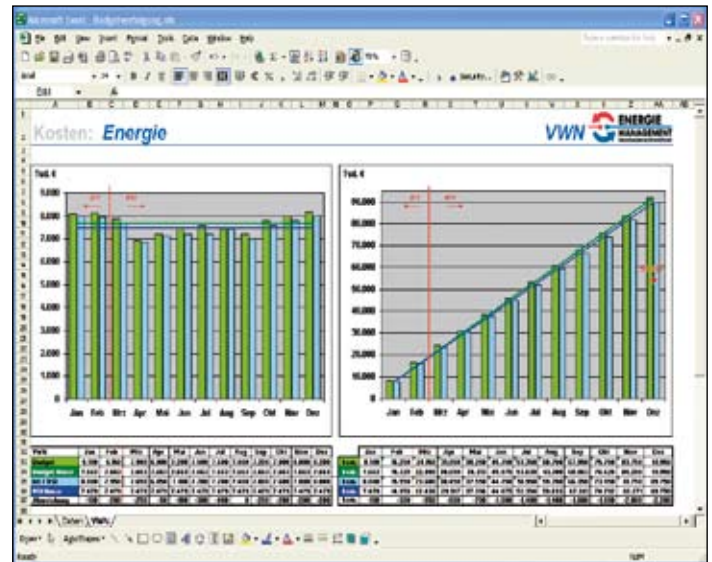
Main activities

Highest priority in the project was relieving the VWN energy manager in performing his routine tasks. Here, special attention was paid to the

- Automatic reporting system; beginning with e-mail distribution right up to the presentation of results in VWN Intranet

- Creation of a central energy database for media supply (electricity, natural gas, water, etc.)

- Support in the preparation of energy forecasts and scheduling



Budget control

Data recording and interface management

Previously, the historical Excel sheets were the only data basis for evaluations and were therefore to be transferred into the new system.

In just a few steps, the legacy data was transferred via a configurable interface, the ODBC Connector, into the central database where it is now available for calculations and evaluations.

A data concentrator that is used at VWN was connected via a b.data SQL interface, and when completed, delivers up to 2000 data points from the various media areas such as electricity, gas, compressed air, etc.

Cost distribution

Siemens AG Österreich
Industry Sector
Industry Automation and
Drive Technologies
Kraussstrasse 1-7
4020 LINZ, AUSTRIA

Contact:
Rudolf Traxler
Phone +43 (0)5 1707 61875
rudolf.traxler@siemens.com
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www.siemens.at/bdata

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