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Opportunities provided by the new DIN EN 16001 standard

ProLeiT at the Powtech

Plant iT based on Mitsubishi trial version

Invitation to the Strategic Food & Beverages Production Management event

ProLeiT specialist conference: Energy efficiency in the food industry

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The ProLeiT specialist conference under the motto of "Energy efficiency in the food industry" was very well received by specialists from the food industry

By the middle of 2007, the German Federal Government, as an international pioneer for climate protection, had already defined the benchmarks for an integrated energy and climate program. One of the goals of this program was the conclusion of an agreement with the German economy on the implementation of energy management systems in medium to large size companies by 2013 at the latest – based on power and electricity tax incentives.

DIN EN 16001 defines the following guiding principles: As a first step, the actual situation must be determined and energy saving goals must be defined. Afterwards, their implementation must be controlled and documented by the specialists responsible.

The implementation of an energy management system provides two major advantages: In addition to clear consumption and cost reductions for primary and secondary energy carriers, which can even reach a double-digit percentage range, companies which prepare for this change in time will benefit from major tax reductions in the fields of electricity and fuel.



Energy management systems in industrial companies shall help to determine, utilize and document potential for improved energy efficiency along with cost reductions.

The new DIN EN 16001, which came into effect as from January 2010, defines the general framework for this approach. It obliges companies to continually improve their energy efficiency and specifies details concerning the implementation of energy management systems. Specialists from different industrial sectors came together at the ProLeiT specialist conference in Herzogenaurach at the end of March 2010: Under the motto of "Energy efficiency in the food industry", this special event was a great opportunity to gain information on requirements and opportunities for the food industry in particular.

All the experts agree that a process control system which enables the complete acquisition of energy data parallel to process control provides a major prerequisite for an energy management system. Later, analyses can be generated from consumption data and critical units or process stages determined. Wasted energy can thus be traced with regard to its exact time and place of occurrence. Based on this sophisticated information, an energy management system with automatic and technologically coordinated load shedding can be set up which, in its final stage, also meets the requirements of DIN EN 16001.

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At the Powtech 2010 international trade fair, ProLeiT will present batch systems for dry

material handling. By the example on a food additive production plant automated with the current Plant iT V8 Version, we demonstrate how consistently process-oriented materials management can help plant operators to quickly adapt to different material specifications. Material flow acquisition in real time not only ensures highly flexible mixing process sequences, but also provides the basis for precise batch tracing.

Another exhibit presented at our booth illustrates consistent process control technology for bakeries. This sophisticated concept provides a system-wide solution –

from the receipt of raw material, silo and dosing systems, the preparation of small components, including yeast preparation, up to the sourdough plants.



**ProLeiT at the Powtech 2010,
Nuremberg/Germany**
27th–29th April 2010 – Hall 5, Booth 262

In the field of MES, our portfolio includes functions for the optimized entry of production orders from the corporate headquarters. Energy management and Production Data Acquisition (PDA) for baking ovens and packaging systems round off the spectrum of exhibits.

Visit us at hall 5, booth 262.

Plant iT based on Mitsubishi trial version

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available for the Mitsubishi Q-PLC. Users are put into a position now that they can see the functionality and performance of the

Plant iT system combined with a Mitsubishi Q-PLC for themselves. For this purpose the ProLeiT AG releases a demo version of the Plant iT based on Mitsubishi system.

The control- and visualization concept as well as the engineering tool are shown on the basis of three application examples – from a classic process control to materials management. To run the demo project a Mitsubishi Melsec System Q controller is required. You will find detailed information about the system requirements at the ProLeiT webpage – have a look at:

<http://www.proleit.com/ag/main/products/plant-it-based-on-mitsubishi/testlicence>.



Invitation to the Strategic Food & Beverages Production Management event

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Strategic Food & Beverages Production Management at the Düsseldorf Hilton Hotel on June 8 and 9, 2010.

The following topics will be on the agenda:

- Operational excellence
- Site management and site development in the food industry
- Energy management and energy efficiency in food production
 - Use of combined heat and power units (CHP) and biogas

- Increasing energy efficiency in process technology
- Integration of production and supply chain
- Systematic control of production processes
 - Integrated IT systems, MES and IT management

Martin Lutz of ProLeiT will hold a presentation on PCS-MES-ERP integration into SAP at the Grolschen brewery.

For more detailed information, click on the following link www.marcusevans.de.com/PM-food2010 or refer to marketing@proleit.com.

