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ZVEI brochure on Manufacturing Execution Systems (MES)

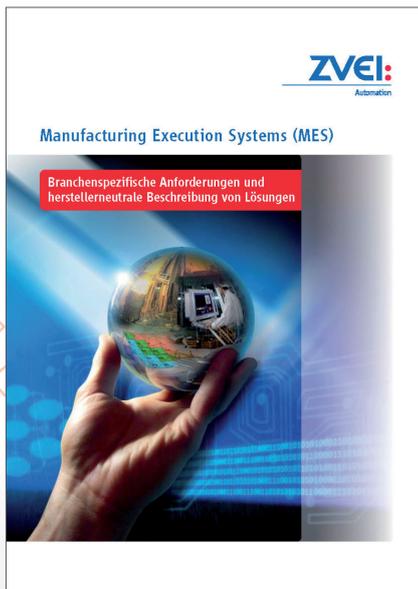
Schincariol

Diageo uses consistent ProLeiT technology to modernize its Great Northern Brewery

Schlossbrunnen Gaensefurther

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www.proleit.com



The German brochure is available for download at: <http://www.proleit.com>

The results of the "MES" ZVEI working group – of which ProLeiT is an active member – have now been published after several years of intensive work: On the basis of task definitions from various industrial sectors, including benefit-cost analyses from different perspectives, this brochure provides a systematic overview of efficient production control. The ZVEI brochure serves both as a reference document and as a guideline for the introduction or realignment of MES projects.

Target groups include decision makers from the fields of production, automation of production and operational management, and also specialists and IT experts responsible for the implementation of MES projects.

The brochure deals with the IEC 62264 (S95) standard and VDI (VDI 5600) and NAMUR guidelines in a systematic and practice-oriented manner. Detailed tables provide basic information for decision makers – no matter whether they are in charge of production, quality, stock keeping or maintenance issues. These four core areas are presented in a comprehensive manner for all industrial sectors and thus also enable the identification of area-independent activities.

Meticulously selected economic aspects, which can be transferred to different task

definitions, provide the basis for unusual and new perspectives.

The ZVEI-MES brochure presents the following topics:

1. Market requirements and motivation for the use of MES
2. MES and normative standards (VDI 5600 / IEC 62264)
3. Classification of the process model in accordance with IEC 62264
4. Typical MES modules and related terms
5. Use, purpose and environment of MES tools by the example of characteristic fields of application
6. Major correlations and differences between MES applications in the process and manufacturing industry
7. How to proceed for MES projects – Practical tips
8. Added value and benefits (first-hand reports)

The German brochure is available for download at our website: <http://www.proleit.com>. Alternatively, a printed copy can be ordered at cost here: https://www.zvei.org/fileadmin/user_upload/Fachverbaende/Automation/Publikation/Bestellformular_MES.pdf

The English brochure will be available at the end of the year.

Schincariol

www.schincariol.com.br



The Brazilian Schincariol group, the country's second largest brewing association, will equip its brewery plant in Alagoinhas, State of Bahia, in the northeast of Brazil with brewmaxx based on Rockwell PLCs (ControlLogix). The brewing equipment will be to a large extent provided by our Brazilian partner, Dedini S/A Industrias de Base. The Dedini/ProLeiT affiliate DAP will be in charge of the complete automation, includ-

ing the engineering of electrical switchgear for the following plant sections: Malt silos and malt shredding plant, cooking vessels, cooling systems and the waste water plant. The system design already enables ERP integration in the near future. The first brewing process is already scheduled to take place in 2010. According to Schincariol, these innovations make sure that Brazil will not run out of beer in the next summer season.

Diageo uses consistent ProLeiT technology to modernize its Great Northern Brewery

Diageo plc has built up an excellent reputation and managed to become the largest producer of spirituous beverages. The

merger of Grand Metropolitan and Guinness resulted in the creation of an international beverage producing group with over 24,000 employees. For

the international and local markets Diageo produces at the Great Northern Brewery in Dundalk, Ireland's oldest still active and second largest brewery, the traditional Guinness specialties including Kilkeny and Smithwick's Ale. Diageo was well aware that the reliability of the traditional brewery was put at risk by the old automation systems for which no spare parts

were available. In many breweries, a failure of the legacy control technology causes great troubleshooting expenditure and a high risk of production shutdowns. In 2008 Diageo awarded ProLeiT a contract for the modernization of its Dundalk brewery with the future-oriented brewmaxx process control system. The migration to brewmaxx was performed in two project phases. As an initial step, the company converted to brewmaxx V8 its fermenting and storage cellars, after that the filtering cellar and finally the tank vehicle filling station at the end of the first phase. The brewhouse was converted to brewmaxx in the spring of 2010. The result has convinced Diageo. John Walsh, Production Manager in Dundalk, expressed his pleasure: "The brewmaxx system has proven to be the best solution for the Great Northern Brewery."

DIAGEO

www.diageo.com

Schlossbrunnen Gaensefurther

www.gaensefurther.de



In spring this year, the syrup room of Schloss Quelle Gaensefurther was converted and its automation system retrofitted to meet all future requirements. The purpose of the project was to undertake a classical modernization without interrupting production. Despite floor renovation work taking place at the same time, the two inline mixers could be successfully re-connected – followed by the 6-component mixer and finally the short-time pasteurizer. During

this phase, various plant sections, including the CIP, tank farm, beer filling plant and the water house, had to be operated on the basis of provisional solutions. The batch system installed by ProLeiT contributed to a significant reduction of throughput times for syrup preparation and thus helped to increase productivity. In addition to the implementation of a consistent batch tracing system up to the water house, an interface for the future connection of the ERP system was integrated. The system installed at Schloss Quelle Gaensefurther is already the second of its kind realized by ProLeiT on behalf of the Wüllner Group.