

Presentation of the latest system generation V9

New brewery at Sierra Nevada Brewing Co.

Vendor Agnostic Manufacturing Control & IT Platform

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As a result of many years of development, the latest generation of Plant iT and brewmaxx process control systems will be presented for the very first time at Brau Beviiale 2012 in Nuremberg. In close cooperation with customers and partners ProLeiT AG has equipped its proven control systems with a new user interface and advanced MES functionality.



„We are extremely proud to present the latest system version of our Plant iT and brewmaxx process control systems. With V9 we have been able to make a huge step forward because this new version considerably simplifies the operation of complex processes. Using the newly designed graphic user interface even operators with little computer knowledge can easily understand and operate our control systems. The new MES functions, including the integrated and web-based Report Management System, allow us to respond specifically to our customers' requirements“, comments Manfred Czepel, COO of ProLeiT AG.

The following exhibits will be showcased an Brau Beviiale in Nuremberg:

- **V9 Demo-brewhouse**
 - **Carlsberg Brewery, Fredericia/Denmark**
- In the spring of 2011 ProLeiT was awarded a contract for the re-automation of the entire process control system. This plant produces 65 % of the beer consumed in Denmark – which corresponds to over 4 million hectolitres or approximately 1.2 billion bottles per year.

At the beginning of this year, the cellar area was converted to the brewmaxx system; the overall project was completed only recently.

- **Automation solutions for syrup plants**

At the trade fair ProLeiT will showcase a solution for the complete automation of a syrup room – including HD mixers with two batching tank pairs, one small-quantity dissolving station, one big bag plant, two inline mixers, one CIP plant and one sugar dissolver. Furthermore, the exhibit demonstrates a complete SAP interfacing solution which enables the transfer of material, parts list and order data as well as the feedback of consumption and product values. Another special highlight of this exhibit: The scanner-supported materials handling solution with complete traceability supports operators in the selection of small components and reduces errors to a minimum. The automation solution implemented by ProLeiT allows the customer to produce larger product quantities in far less time – with no compromise in terms of quality.



New brewery at Sierra Nevada Brewing Co.

www.sierranevada.com



The main brewhouse in Chico, CA, that reached its capacity limits far sooner than expected.



Mills River, North Carolina: 120 ha of land for the new brewery plant.

At the beginning of October the US subsidiary ProLeiT Corp. received the order for automating the entire new brewery plant at Sierra Nevada Brewing Co., that will be located in Mills River, North Carolina. Experts rank the beers of Sierra Nevada Brewing Co., that won numerous medals at various competitions during the last years, among the best in the world. Furthermore Sierra Nevada Brewing Co. became a landmark in American Craft Brewing. Brewing its first batch with cobbled together and used equipment in 1980, the brewery reached its capacity limits first in 1997. Due to this they decided to expand the brewery located in Chico, California, for the first time. Then ProLeiT received the order to automate the entire brewery by brewmaxx process control system. But also the expanded plant reached its capacity limits in 2011, far sooner than expected. Because of this the owner,

Ken Grossman, who founded the brewery and now is supported by his son in leading the the company, decided to build a new brewery plant. After a long and thorough search, he found a suitable property. He bought 120 ha of land, located in Mills River, North Carolina, 12 miles south of Ashville, along the French Broad River, against the spectacular backdrop of the Blue Ridge Mountains. This is supposed to be the location of the new brewery plant, that is planned with a initial capacity of 350,000 hl, gradual expansion already included. The factory acceptance test is scheduled for spring 2013, the brewery will go into operation in summer 2013. Due to very good experiences in the past ProLeiT will do the automation of the entire beer production process again – including maltoutake, brewhouse, fermentation cellar, yeast handling, filtration, bright beer tanks and CIP plant.

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One of the leading technology research and advisory firms for industry and infrastructure,

Those responsible for evaluating and selecting new automation generally do not understand the benefits of this new approach to a

common vendor agnostic process control an IT platform that is lowering migration costs and redefining the traditional "ISA Level" model. Manufacturing and its supply chain have become the keys to improved margins and growth; and process control and information systems have become keys to improving manufacturing efficiency and effectiveness. This has resulted in increasingly complex automation and IT infrastructures which are costly and difficult to maintain or enhance their functionality to meet the changing demands of the market. At the same time manufacturing operations are being asked to "do more with less" – less people, less available capital, more production with the same equipment. Those responsible for evaluating and selecting new automation must recognize that a new lean generation of hardware vendor agnostic dock-to-dock process control and production management systems is emerging.

ProLeiT provides their customers a very flexible solution regarding the existing hardware in operation. The inhouse developed process control system solutions Plant iT and brewmaxx are available for the hardware platforms of the world market leaders: Siemens Simatic S7, Rockwell Automation ControlLogix and Mitsubishi MELSEC System Q. When implementing process control systems or in case of the migration of automation systems, the controllers of different suppliers can be used simultaneously in one plant - another advantage of the ProLeiT solutions. The systems of ProLeiT meet not only the requirements of functionality but also enable the customers to use their preferred hardware platform.

Learn more about this new generation of automation solutions – the entire report is available here: www.proleit.com/IT