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KWS SAAT SE: Plant iT controls the elite storehouse

www.kws.de



KWS Saat SE has been breeding crops for the moderate climatic zone for more than 150 years. When developing new varieties and producing seeds, the company focuses efforts on meeting the new challenges facing agriculture. These include the growing global need for food and energy, climate change and associated social impacts worldwide. KWS is committed to being a responsible company at the beginning of the

value chains for food and feed. The emphasis placed on quality and further development obviously demands the use of cutting-edge production methods. At the KWS plant in Einbeck, Germany, it therefore seemed logical to automate the dust removal and drying plant in the elite storehouse with Plant Direct iT V9. This plant, in which the seeds are dried for the in-house breeding programme, can now be optimally controlled and monitored. The drying capacity can be set individually and the various positions can be switched on and off according to use. The filter plant removes dust for seed preparation and is used as a partial air conditioning solution for the building.

Transition of the plant went smoothly and was completed on schedule at the end of April 2015.

Paul Hartmann AG: Automating the hydrogel plant

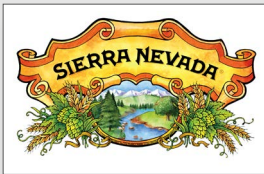
www.hartmann.de

The Hartmann Group is a global company operating in the field of medical and care products. The core of the product portfolio offered under the Hartmann brand is formed by professional system solutions in the areas of wound management, incontinence hygiene and infection protection. Paul Hartmann AG, based in Heidenheim an der Brenz, Germany, is built on a 190-year history. It is the core company of the Group, one of the oldest German industrial enterprises, and the oldest factory for dressing materials in Germany. Cooperation with dedicated partners from the medical field and continual dialogue with its customers ensure the company is able to keep abreast of developments and changes in the medical sector. One of the company's core areas of business is professional system solutions for wound treatment.

To guarantee full compliance with the stringent quality standards and regulations for the production of medical products, the plant manufacturer M+W Group commissioned ProLeiT at the beginning of the year to automate the entire hydrogel plant with the latest system generation Plant Batch iT V9. The project incorporates three core areas - order processing, materials management and measured value recording. Besides parameter settings, BOM-based materials management also includes material tracking functions. An operating data acquisition system can, if necessary, be added to the existing system at any time. A special feature of this project is the application of an industrial PC that functions as an operable server. Another IPC is used as a second operating station and enables the simultaneous operation of two stations. The various challenges faced by ProLeiT included the control unit for servo motor converters, linear motors for applying hydrogel and an Ethernet TCP coupler for controlling the cooling unit. The project is currently in the commissioning phase.

Sierra Nevada Brewing Co.: V9 running in parallel with Siemens and Rockwell Automation controllers

www.sierranevada.com



Sierra Nevada Brewing Co. was launched in Chico, California, in 1979 by Ken Grossman. The brewery has continued to grow over

the years and is now recognized as a pioneer within the American craft beer movement. Meanwhile, Sierra Nevada Brewing Co. has blossomed into the seventh largest brewery in the USA. The brewery in Northern California is also one of the most sustainable worldwide. Sierra Nevada was

named "Green Business" of the Year by the U.S. Environmental Protection Agency in 2010. The brewery itself is powered in part by over 10,000 individual solar panels, the company boasts an on-site wastewater treatment facility, and, to top it off, Sierra Nevada even grows some of the hops it uses.

The brewmaxx process control system from ProLeiT has been working reliably in Chico for almost twenty years. The brewmaxx system is responsible for controlling the entire beer-making pro-

cess from malt transportation, brewhouse fermentation, and filtration to cellars and bottling. And there is also the 'minor' matter of fully controlling a small-scale brewhouse for specialty beers. As the brewmaxx V4 system was beginning to show signs of its age, ProLeiT was asked to migrate both plants to the latest brewmaxx version V9 in 2014. This also entailed consolidating the benefits of Siemens and Rockwell Automation controllers into just one system. The huge popularity of Sierra Nevada beers means the brewery is always run at full capacity. The biggest challenge was, therefore, realizing switch-over whilst causing the least amount of downtime possible. Excellent cooperation between the ProLeiT team and the experts at Sierra Nevada ensured everything went to plan. The project additionally demonstrated the outstanding strength and flexibility of the brewmaxx system modules, which enable immediately effective adjustments during start-up through parameter optimisation. ProLeiT's multi-platform strategy, realized through the parallel running of Siemens and Rockwell Automation controllers, guarantees the uniform operation and administration of the process control system on just one production server.

Together with Sierra Nevada Brewing Co. we raise a glass to the next twenty years of successful process controlling with brewmaxx, which, by the way, has also been installed at Sierra Nevada's new brewery in Asheville, North Carolina, since 2013.

ProLeiT AG: Win an Apple Watch with ProLeiT

www.proleit.com



There is the chance to win a very special prize in the June edition of our monthly facebook competition. We are giving away a brand new Apple Watch Sport worth €449. The competition is open to anyone with

a facebook account and excludes ProLeiT employees and their immediate families. To be in with a chance to win, all you have to do is "Like" the Apple Watch article and our facebook page.

The winner's name will be announced on our facebook page on July 1, 2015. We wish everyone lots of fun and the best of luck with the competition!

