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ProLeiT automates the "Jupiter II" new plant construction

ProLeiT Shanghai

www.proleit.cn



With the founding of a new subsidiary company on January the 22st 2007 in

Shanghai, ProLeiT AG continues its consistent strategy of establishing local presence. Dong Liu, who obtained relevant experience at ProLeiT's headquarters in Herzogenaurach, in

particular in the brewery sector, assumes the company management.

The new company offices are located in the German Centre, the location of other German companies. This physical nearness to German business partners provides optimum conditions for a successful cooperation. The first projects are in process. The ProLeiT headquarters wish a successful start and much future success.

Desire for Fiege

www.moritz-fiege.de



Since 1878, the Moritz Fiege private brewery in Bochum's Scharnhorststraße has been brewing an excellent beer, from August 2006 on with the brewmaxx platform.

implementation of the latest sequencer logic in the brewhouse and the use of fermentation room and storage cellar equipment modules for the tank cooling.

The project scope beginning with the malt receiving, including the brewhouse, the wort treatment and the fermentation room and storage cellar, and ending with the hoses in the filter cellar covers a large part of the complete production process.

The new established brewmaxx process control system, version V 7, includes the

In addition, the CIP plant and the brewing water supply are integrated in the new controllers.

After a complete survey the controller switchgear cabinets were changed from SIMATIC S5-115U to S7-400 technology including a decentral ET200 M. The modernization of the switchgears was finished within a period of 14 days without production.

The installation of the Acquis iT messenger and the remote maintenance possibility using an analog modem allowed any stoppages to be greatly shortened thanks to the fast response now possible.

Because the next expansion phase is already scheduled for this year, modernization measures on the lauter tun with the simultaneous integration of the multifunctional lauter management (MLM) also take place in 2007.



**ProLeiT at Powtech
Nuremberg, Germany**
27th – 29th March 2007 / Hall 11.0, Booth 220

Enviral A.S. Bioethanol Plant

www.enviral.sk



ProLeiT AG received the contract from GEA Wiegand GmbH to provide the engineering and deliver a Plant Direct iT process control system for the new Enviral A.S. bioethanol plant in Leopoldov, Slovak Republic.

In its final phase, the bioethanol plant to be built for GEA Wiegand GmbH as general contractor should produce 300,000 liters of bioethanol from corn. The commissioning is planned for spring 2007.

The hardware for the process control system consists of two controller SIMATIC type S7-416, a server, an engineering station and two workstations.

The quantity framework lies in the general order of 700 analog signals with 200 software controllers, and 550 motors and valves.

The project management is handled by the ProLeiT group; ProLeiT AG is the contractor. The subsidiaries ProLeiT GmbH in Vienna and ProLeiT s.r.o. in Bratislava provide the local support and the after-sales service in the national language.

Coupling of „TransGraph“ to brewmaxx at the Cölner Hofbräu Fröh

www.frueh.de
www.vette-edv.de



The Kölsch-Brauerei Cölner Hofbräu P. Josef Fröh KG founded in 1904 and with a long tradition commissioned ProLeiT AG in several phases to convert its complete production area to the brewmaxx process control system. As part of this conversion, an interface to the "TransGraph" quality management system established in the brewery should also be developed.

The TransGraph software module written by VETTE EDV-Beratung & Entwicklung GmbH provides a comprehensive data management for laboratory analyses and production data. The data exchange between both systems is performed using the parameteriza-

ble Plant Connect iT interface module using SOAP-XML and ASCII. During the running process, laboratory data is transferred to the process control system using this method. In the brewmaxx system, graphics and tables are generated that contain all data for a batch, including the laboratory data. This saves the duplicated input of laboratory data in the process control system or production data in the laboratory system. When the production process has completed, all the data that belongs to a batch is returned as batch log to the TransGraph where it can then be used for the batch tracking and the reporting system.

The development of a standardized LIMS coupling for TransGraph achieved a significant addition to the brewmaxx system functionality with regard to a cross-platform B to B communication.



ProLeiT automates the „Jupiter II“ new plant construction

www.johnsondiversey.de

On December the 12th 2006, ProLeiT signed a contract with JohnsonDiversey in Enschede (Netherlands) for the complete automation of the "Jupiter II" new plant construction. JohnsonDiversey produces at its facility in Enschede with 11 filling lines, liquid cleaning material and disinfectants,

mainly for industrial use, but to a limited extent also for the consumer market (e.g. Omo, Sunil).

As part of the "Jupiter II" project, the eight agitator reactors to be automated, the

tank farm and the filling lines are connected using Plant Connect iT to the SAP system for JohnsonDiversey and with Plant Batch iT, the ProLeiT batch management system, controlled Part11-conform. To provide simple operator guidance locally at the agitator reactors, the implemented Exschutzzone II-approved terminals with touch display provide the reactor-relevant information to the operator in full-graphic form. A redundant designed server platform and a backup power supply for the computer and controller components (SIMATIC S7-400) guarantee the three-shift operation required by JohnsonDiversey. Being based on the ProLeiT Plant iT system family, this achieves a standardization of all automation components for the future.

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