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Great Northern Brewery Dundalk, Ireland

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VLB Symposium in Seville

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Interim Results: A Year of Cooperation  
between Indag and ProLeiT

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Jupiter II in production

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Sales release Plant iT  
based on Mitsubishi

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## Great Northern Brewery Dundalk, Ireland

[www.diageo.ie](http://www.diageo.ie)

**DIAGEO**

The Great Northern Brewery is the second-largest brewery in Ireland with a typical infrastructure con-

sisting of individual automation islands with different control systems that has grown over time.

The challenge in the specific project was not only to bring the existing heterogeneous automation structures for the complete cold block starting with the fermentation cellar and ending with the filtration, including the bright beer tank area and the truck loading stations, into a single control system, but also to guarantee the shortest-possible conversion times. To ensure this, in close cooperation with the brewery and Diageo

Global Supply, a comprehensive functional design specification was prepared and comprehensive preparatory tests performed both in Herzogenaurach and on-site at the plant. This meant the successful conversion of phase one could be completed recently.

The software conversion of the fermentation control, with the successive execution of the programs in the fermentation cellar, yeast cellar, storage cellar and the CIPs and finishing with the issuance of unfiltered beer to the filtration, was completed in less than one week.

The commissioning of not only the filtration itself and the bright beer tank area, but also the conversion of the truck loading stations, is planned for the beginning of 2009.

## VLB Symposium in Seville

[www.vlb-berlin.org](http://www.vlb-berlin.org)



Review: The VLB symposium on Brewing and Filling Technology took place in Seville from 18-20 June 2008.

The bilingual symposium (English and Spanish) was a meeting of almost 250 brewery engineers with a large number of participants from Central and South America.

An absolute highlight of the program was the opportunity to visit the newly developed Cruzcampo brewery of Heineken España on the edge of Seville, which was brought into operation at the end of 2007. It was possible to view the process control technology, supplied by ProLeiT, in the fully newly conceptualized control room. Optimal working conditions for the brewer

are provided by way of large-scale screens with plant overviews and also the "exception-based control" operating philosophy realized with brewmaxx.

Modules working automatically in the background, such as e.g. the Selector, a software tool for automatic fermentation and storage cellar loading, support the plant operators.

Extensive MES functionalities such as batch administration, performance analysis and tracking and tracing round of the scope of supply.

The commissioning of the SAP interface is currently under way. Productive operations are planned to begin before the end of this year.

## Interim Results: A Year of Cooperation between Indag and ProLeiT

[www.wild-indag.com](http://www.wild-indag.com)



the defined goal of "providing joint solutions for the beverages industry". First of all: the results are clear!

No less than seven joint projects have been realized on the basis of Plant iT, partly with PDA and ERP link.

Of these, the following have the status "completed":

- Hassia / Bad Vilbel – syrup room and acceptance – pasteurizer
- Tönissteiner Mineralquellen / Brohl-Lützing – syrup room, pasteurizer, CIP
- aQuelle / Durban (South Africa) – reconstruction of syrup room
- Wüllner Mineralquellen Carolinen / Bielefeld – syrup room each with 2 HD mixers / inline mixers / pasteurizer

The mixing plant of Ensinger Mineral - Heilquellen / Vaihingen is already in operation and the automation of the pasteurizer

The official cooperation agreement between Indag and ProLeiT was signed on 22 June 2007, thus giving an opportunity to test

is currently in progress, with acceptance expected to take place in later summer 2008.

The largest current joint project – at one of the leading Egyptian fruit producer (Cairo) – is close to the beginning of the commissioning process. It involves the reconstruction of a juice plant with HD mixer (five tank pairs), drum dumper, sugar dissolver, five pasteurizers and an inline mixer.

Of particular note is the incorporation of a new Indag inline mixer into the existing ProLeiT control system at the brewery Warka / Poland.

As a resume, it should be noted that the ProLeiT Plant iT system – in particular the Plant Batch iT system component – could be adapted to the requirements of this special market in the best possible way and therefore a contemporary successor to the previously used factory link solutions could be found.

Outlook – within the framework of this cooperation it should also be noted that the optimization of project processes currently underway targets decisive additional value for our customers.



## Jupiter II in production

[www.johnsondiverseyc.com](http://www.johnsondiverseyc.com)

For the JohnsonDiversey "Jupiter II" project, ProLeiT has automated the product flow from the tank farm, to the mixers and inter-

mediate storage tanks connected to ten filling lines. The Plant iT process

control system has an integrated batch functionality that satisfies the requirements of the GMP regulation 21CFR Part 11 with regard

to the batch tracking capability was used. The SAP/R3 ERP system, directly coupled via the parameterized Plant Connect iT communications interface, was used for the order entry, the operational specifications and also for the feedback of the material consumptions. The system-technological linking of Plant Direct iT with Endress + Hauser Corp.'s FieldCare ensures the plant-related asset management.

## Sales release Plant iT based on Mitsubishi

[www.mitsubishi-automation.com](http://www.mitsubishi-automation.com)



ProLeiT for the development of system solutions based on the Mitsubishi MELSEC system Q modular control system and the process control system

On 7 March 2006, Mitsubishi Electric entered into a cooperation agreement with

Plant iT made by ProLeiT. Its initial stage of development has now been completed and the system designed for process control applications in the food and beverage industry has now been released for distribution. Detailed information is available for download from [www.proleit.de/mitsubishi-en](http://www.proleit.de/mitsubishi-en).