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## Hofpfisterei Ludwig Stocker GmbH: Upgrading the Plate Conveyor Oven System

[www.hofpfisterei.de](http://www.hofpfisterei.de)

Hofpfisterei Ludwig Stocker GmbH is one of the best known bakeries in Bavaria, drawing on almost 700 years of tradition and expertise. In October 2015, it commissioned ProLeiT to replace and upgrade visualisation of the plate conveyor oven system at its facility in Munich. This additionally involved integrating Plant Direct iT V9

into the existing system. The project brief was met by utilising the new, redundant server system ‘Stratus ever-Run Express’, and installing four OP17s and a new SIMATIC CPU 319 control unit. The control programs basically remained the same, while no longer available hardware was replaced.

The project, which was completed successfully at the beginning of December, has allowed the Munich-based bakery to take a major step towards combining and optimising further plant components.



## LMS compact: Downtime recording picks up speed

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

Short downtime periods are a risk to production capacity. It is not uncommon for downtime periods of just a few minutes, so-called micro stops, to add up considerably during a plant’s service life. A Line Management System (LMS) can help to determine the causes of downtime.

In order to facilitate access into the world of Line Management, ProLeiT has developed the application Plant iT LMS compact. Thanks to the reduced sensor technology, licensing and engineering requirements, it is possible to install a solution for recording each machine downtime automatically in a very short space of time

and with minimum financial effort. The causes of downtime as well as other plant or order-related data can be entered any time using an intuitive web interface. The reports generated from this data can be viewed at any PC in the Intranet as well as on a tablet or smartphone.

Plant iT LMS compact thus offers the possibility to create evaluations about all downtime periods and investigate the realistic effects of micro stops. Customer-specific input options and evaluations as well as a future upgrade to Plant iT LMS, including the full functional scope of Plant Acquis iT and Plant Liqu iT, are possible, too.

LMS compact has already been installed several times in Germany and the UK, while further projects have been started.



## Pfinder Chemie KG: New pilot plant in Böblingen

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

Pfinder Chemie KG is an internationally renowned development partner of the automotive industry. The company based in Böblingen already utilises Plant Batch iT V8.20 from ProLeiT. Up to now, it has been used in two areas. Besides a state-of-the-art tank farm, Pfinder also operates a plant for producing aqueous hollow space preservatives and other corrosion inhibitors. The company's ma-

chinery portfolio is now being extended with a pilot plant which will also be equipped with Plant Batch iT V8.20. This should enable seamless integration at planned large-scale production mixers. Furthermore, all recipes tested in the pilot plant shall be directly integrated in the production process.

In August 2015, ProLeiT was commissioned to carry out this project, which it completed successfully last year.



## Mathias Kettner GmbH: “Check\_MK” system monitoring for Plant iT and brewmaxx installations

[www.mathias-kettner.com](http://www.mathias-kettner.com)

Over the years, monitoring solutions have become the standard for monitoring IT infrastructures. Their application ensures the monitoring of hardware and software in complex IT infrastructures. The advantages of monitoring solutions compared to manually executed maintenance work are quite obvious: Maintenance work only determines the current status of a plant at the time of maintenance. System monitoring, on the other hand, records the status continuously on a 24/7 basis. Besides detecting, indicating and reporting faults, system performance metrics are additionally obtained and recorded as long-term trends. This enables the plant operator and supporter to detect any deviations from “normal operation” and react quickly to performance bottlenecks. System monitoring is thus a cost effective and efficient solution.

ProLeiT has been focussing on monitoring for several years in order to constantly increase the availability of systems supplied to its customers. In 2015, ProLeiT decided to use the solution “Check\_MK” from Mathias

Kettner GmbH. This solution supplies the easy integration of in-house programmed checks for Plant iT & brewmaxx and offers an extended check library as well as flexible application options. Today, several process control systems and MES solutions are monitored by ProLeiT using “Check\_MK”. ProLeiT responds with this new IT & Process Monitoring to the growing complexity in system configurations and will expand the range of functions in the future. In this way, server installations based on virtualisations using VMware ESX and Stratus everRun shall already feature “Check\_MK” monitoring upon delivery. Existing process control systems and MES solutions with a ProLeiT service agreement will be successively extended, provided that the essential system requirements are met.

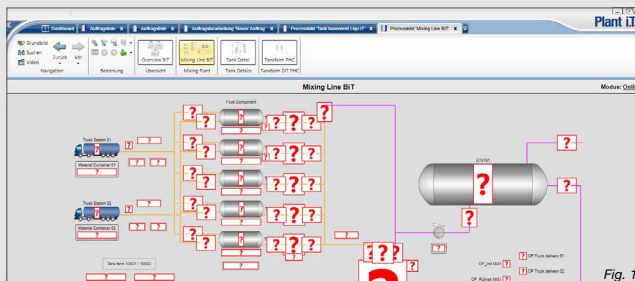


Fig. 1

Use case of the system monitoring.

Fig. 1: Error - Plant iT process visualisation — question marks in the process image, no visualisation / operation possible.

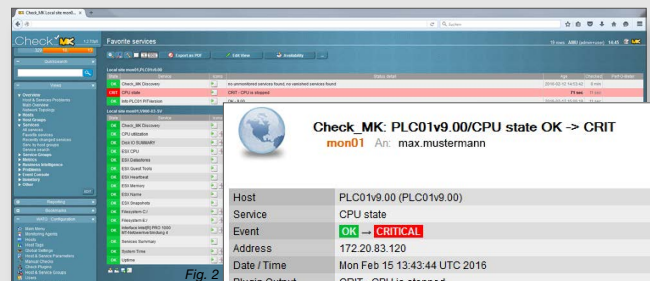


Fig. 2

Fig. 2: Web interface of the Check\_MK monitoring shows the critical error “PLC stop”.

Check_MK: PLC01v9.00/CPU state OK -> CRIT	
mon01	Ans: max.mustermann
Host	PLC01v9.00 (PLC01v9.00)
Service	CPU state
Event	OK -> CRITICAL
Address	172.20.83.120
Date / Time	Mon Feb 15 13:43:44 UTC 2016
Plugin Output	CRIT - CPU is stopped
Performance Data	

Fig. 3

Fig. 3: Check\_MK monitoring informs the plant supervisor automatically via email regarding the error.