

connected

the ProLeiT Group information service

3.20

New:
Plant iT & brewmaxx Smart Control
The new web app for the process control system

Adelholzener Alpenquellen GmbH:
New batch system for syrup room

Bell's Brewery:
Fully protected! IT security increased,
production risks minimized

New: Plant iT & brewmaxx Smart Control The new web app for the process control system

www.proleit.com

With Plant iT & brewmaxx Smart Operations, ProLeiT is launching a series of responsive web apps for mobile end devices. These apps will significantly increase mobility and flexibility when controlling and monitoring your fully automated plants.

The brand-new App Plant iT & brewmaxx Smart Control enables operators to perform production steps such as switching actuators, simulating sensors or acknowledging a fault message via a smartphone, tablet or PC. The newly acquired flexibility allows operators to leave the control room without ever losing sight of the most important plant data. The only requirement is a Plant iT or brewmaxx system version of 9.70 or higher.

Another major advantage of the web application is its quick & simple operation via web browser. Hence, no separate download via App Store is necessary, all that it takes is an installation on the web server.

The Key functions of Plant iT / brewmaxx Smart Control

Maximum Flexibility –

Wherever you are - with Smart Control, the entire plant can be monitored and controlled from any location. Faults and notices can be acknowledged. Sequence controls can be paused and resumed.

Optimal Support –

The App is not only the ideal support for plant operators and shift supervisors, but also extremely useful in maintenance, commissioning and servicing. Expensive terminals on site are no longer needed.

High Data Security Level –

To ensure a high level of data security, the application is equipped with a wide range of security functions. The entire data exchange between the user and the Plant iT system takes place via TLS encryption. Furthermore, the reading of data and writing of commands is only possible for authenticated users with enabled user rights.

Responsive Design –

The application is fully adapted to the screen

resolutions of smartphones, tablets and PCs, allowing usage on your device of choice.

Integrated Help Functions –

An integrated help function within the app supports the user in case of questions about the app and its operation. Even without prior training or daily use of the control system, smooth handling is guaranteed.

Easy Data Exchange –

The app enables users to assign each object with a unique URL and thus share objects or map their access in the form of a QR code, e.g. to notify maintenance staff about a problem object.



Adelholzener Alpenquellen GmbH: New batch system for syrup room

www.adelholzener.com

The mineral springs 'Adelholzener Alpenquellen', located in the Bavarian town of Chiemgau, are some of the largest and most famous in Germany. The company of the same name fills over 600 million bottles with spring water each year under the Adelholzener and Active O2 trademarks: mineral and medicinal water, but also various soft drinks. The mineral spring products enjoy a strong market position in more than 20 countries.

The IT environment of the syrup plants used at the Siegsdorf site to produce spritzers, lemonades, juices and isotonic beverages had become outdated over time. The hardware and the operating system no longer met the current requirements for stability and reliability. As a result, the company's management decided to fully replace the hardware and software. The hardware component strategy is designed and implemented in-house – ProLeiT AG was commissioned with the task of migrating the software as a new process control system in June 2018.

Bell's Brewery: Fully protected! IT security increased, production risks minimized

www.bellsbeer.com

Bell's Brewery was founded in 1983 in Kalamazoo, Michigan, and has been brewing its own beers since 1985. In 2003, Bell's opened the Comstock brewery a few miles east of Kalamazoo. The company's beer production was taken to a whole new level in 2012 with the launch of a brand-new 200-barrel brewhouse: Together with the existing 50-barrel brewhouse, it enabled production to grow from 180,000 to half a million barrels per year. The company is now among the top ten largest independent, family-owned craft brewing companies in the country.

During a brewhouse expansion in Comstock in 2012, Bell's Brewery decided to go with brewmaxx. Bell's was so impressed with the new control system, that ProLeiT was subsequently commissioned to move the existing older brewhouse, the tank cooling system and the yeast propagation system over to the new control system. A third 'pilot brewhouse' (with a capacity of 15 barrels), set up to test new beers, was also implemented by ProLeiT in 2018.

Greater speed, greater efficiency and, above all, a better overview of the production processes – the significantly enhanced range of setting options and the numerous functions of Plant Batch iT optimize not only the work of the operators but also the complete production process. Adelholzener profits from an easy handling, the simple order management and the ProLeiT Visu-Recorder. This add-on enables the on-screen recording and – if necessary or desired – tracking of all processes. As a result, errors that occur in process sequences can be systematically investigated and their causes detected.



Implementation of the new software at Adelholzener Alpenquellen began in the spring of 2019 and was successfully completed by a team of five ProLeiT employees at the beginning of April 2019. Herbert Schrobenuhauser, Project Manager at Adelholzener summarizes: "The recipe management, the detailing of bills of material, the entire materials management chain, including the booking of consumed raw materials: Plant Batch iT ensures significantly improved overall transparency when it comes to monitoring and controlling processes."

A detailed project description can be found on the [ProLeiT website](http://www.proleit.com).

In order to make IT security at Bell's Brewery fit for the future, three highlight requirements were formulated at the beginning of 2020: Not only the control system and the server and workstation operating systems were updated to new versions, but also the database architecture received a comprehensive update.



Together with the IT on site, ProLeiT needed just two weeks to implement the entire project. John Mallett, Vice President of Bell's, draws a correspondingly positive conclusion: When you consider the complex and extensive requirements that the project team had to meet, especially in view of the short time frame, we were very satisfied with how smoothly the changeover to the new software versions, the implementation of the new tools and the transfer of data from the old to the new system worked out. We are now able to guarantee the IT security of our operating systems for years to come and the established brewmaxx process control system has reached a new level of performance with version 9.70, especially with regard to the MES functionalities."

A detailed project description can be found on the [ProLeiT website](http://www.proleit.com).

