

## SIMPLE CONTROL OF HEATING SYSTEM.

Axel Janetschek from the Technology Services subgroup of Bayer Industry Services (BIS) knows that “overall, technology is becoming more ambitious and complex”. For this reason, he is setting up automation systems that are both user-friendly and simple. In this case, a Wago-I/O-System 750 and EXTER terminals from Beijer Electronics are used for heating regulation.

Bayer Industry Services GmbH & Co. (BIS) is the owner and operator of the largest German chemical park under the Bayer Group umbrella. At its sites in Leverkusen, Dormagen and Krefeld-Uerdingen, BIS provides its customers with tailor-made chemical services at market-oriented prices. Safe and failure-free operation is a fundamental requirement and the Technical Services section of BIS ensures that the technology they deliver functions faultlessly.

### Looked for a cost-effective heating solution

Axel Janetschek is responsible for a complete range of heating and climate control services, including the heating regulation of offices and company buildings. When asked to find a heating solution for three facilities, he looked for a cost-effective controller with simple operation. With “Bayer eyes” the facilities were comparably small, each requiring a heating system with a power rating of 100kW.

Janetschek considered established systems offered by Honeywell, Kieback & Peter and Sauter. However, he was also open to new solutions if they work just as reliably and also could save him costs. It was soon clear to him that the bus terminal controllers from the Wago-I/O-System 750 also fulfilled his requirements.



*A part of the heating system at one of the Bayer sites*

### Robust and fit for purpose

The issue of the controller was ticked off and he could now look for suitable operator terminals. The final decision fell on the EXTER series from Beijer Electronics. “The operators can easily view and adjust different parameters. However, some menus are secured by a password so that critical parameters only can be changed by authorized staff,” says Alex Janetschek.

## “A great solution for our needs”

Above all, robustness was essential for the operator terminals. “The environment where they are used is quite rough” acknowledges Janetschek. “The devices must be able to withstand a lot, in particular dust and high temperatures. Many times they are operated by oily and dirty hands.”

### An interface that is easy to use

Janetschek decided on EXTER terminals with a 6.5” display size and touchscreen interface. “A great solution for our needs,” he says. “With 640 x 480 pixels, the high-resolution displays guarantee a clear view under all conditions also from larger viewing angles.”

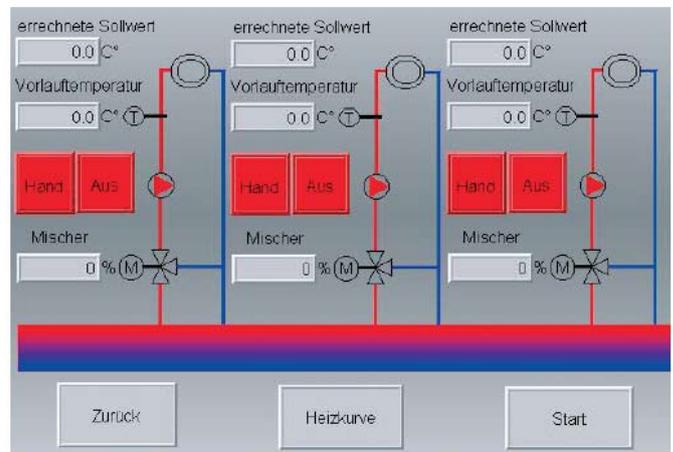


EXTER terminal in operation..

In addition, he compliments the simple operation and emphasizes the fact that that operator guidance is self-explanatory. “Overall, technology is becoming ever more ambitious and complex. Therefore, it is important that the operator receives the overview on site, without having to read long instructions.”

### Ready for the future

In the future, Janetschek will use the networking capability of the controllers and terminals. “It will be possible to visualize the on-site operator terminals directly on the centralized control panel. In this way it is easy to carry out remote maintenance,” he explains.



Input menu for the heating circuits on one of the EXTER terminals.

Alex Janetschek refers to his solution as stable and future-proof. Based on Wago I/O-System 750 and EXTER operator terminals, it has now passed the practical tests in smaller heating systems. Therefore Janetschek has decided that he will introduce this user-friendly solution also for larger systems designed for 4 MW thermal output.

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