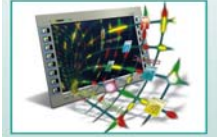




Increasingly complex processes are required to ensure the purity of drinking water in these parts. Phoenix Contact automation technology is used in the Oerbke waterworks to supply good quality drinking water to military installations in the Bergen training area as well as to the neighboring town of Fallingsbostel, which is home to food companies Kraft Foods and Eckes-Granini.



Transparent and Seamless

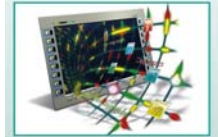
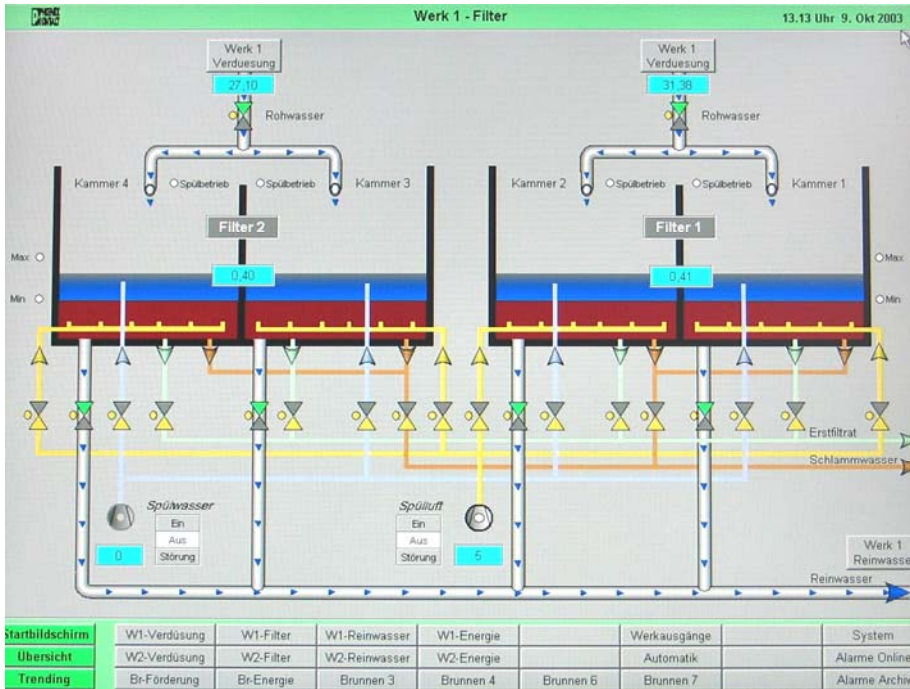
Application

The Managing Director of Brüggemann Systemtechnik, the company chosen to modernize the waterworks, chose a turn-key solution from Phoenix Contact, as the company's terminal blocks have been operating reliably in the Oerbke waterworks for many years.

Solution

The automation solution that Brüggemann developed for the Oerbke waterworks is not only transparent and seamless, but can also be used as a template for the vertical integration of data. This is because it even includes the commercial department of the district council, where all water consumption data can be accessed online. From here it is transmitted to the technical department via a glass fiber cable and a switch forwards the data to a workstation computer in the waterworks and to a control computer installed with Genesis visualization software. This control computer acts as the central control system thanks to an Ethernet connection with the RFC 450 Remote Field Controller.

The process is connected via Ethernet to the central PLC (RFC 450). At a lower level, Inline Controllers connected via INTERBUS control the individual plants.



AUTOMATIONWORX

In addition to automating the central waterworks, well stations were also connected to the central control system over several kilometers using permanent line connections.

PHOENIX CONTACT GmbH & Co. KG

Phone: +49 - 52 35 - 30 0

Fax: +49 - 52 35 - 34 12 00

<http://www.phoenixcontact.com>