



The TB20 I/O system from Helmholz impresses worldwide

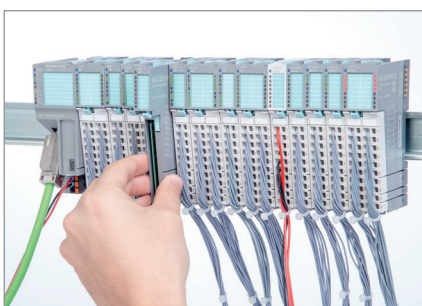
We're going full throttle for optimum water quality

Ensuring the availability of top-quality water requires expertise in a variety of different areas. That's why Greece-based company Machinor S.A. relies on high-quality technology like the TB20 I/O system from Helmholz in its switch cabinets.

Effective water treatment is vital for the reliable operation of industrial systems, regardless of whether sea water, river water, surface water, well water or drinking water is being used. The high requirements seen here can only be fulfilled using appropriate treatment technology.

Through the efficient removal of particles and undesirable substances in a complex process, the required process water quality level is reached. The special filtration plants involved ensure the trouble-free, reliable operation of machines and systems.

Using state-of-the-art infrastructure and qualified experts, Machinor S.A. offers integrated solutions, customer-specific applications and high-quality products and services.



Hot-swapping capability

The TB20 I/O system: tried and tested in practice

This is why Machinor S.A. repeatedly chose the TB20 I/O system from Helmholz for a project at one of the largest water filtration plants in Greece. In this project, several Modbus/TCP stations used for operating motor valves were installed. These stations communicate directly with a local redundant visualization server.

The TB20 I/O module from Helmholz is comprised of a separate front connector, an electronic module and a base module. A locking mechanism ensures that all the modules can be quickly mounted and securely attached to DIN rails while guaranteeing a reliable electrical connection. Likewise, all modules can easily and quickly be removed for maintenance and/or system expansion. In concrete terms, this means quick and straightforward installation and maintenance. All TB20 modules are supplied as a complete package.

The ergonomic design of the decentralized TB20 system makes it easier to handle. Despite its space-saving, compact dimensions, all components of the system are mechanically stable, suitable for rugged industrial environments and feature an IP20 protection rating for a reliable electrical connection. An optimum system engineering breadth



Saves space thanks to its compact design

can be achieved using modules with up to 16 digital or 8 analog channels and digital mix in/out modules.

Summary

High-quality technology and efficient water treatment are vital for the reliable operation of industrial systems. Machinor S.A. relies on the TB20 I/O system from Helmholz and benefits from all the advantages of this decentralized topology here.

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