



# M-BUS & OPC-UA

Transmission of water, electricity, heat and gas meter readings

## AREAS OF USE | APPLICATIONS

- Waterworks
- Inline meters
- Raised tank
- Pumping stations
- Wastewater treatment plants (Mittweida wastewater treatment plant)
- Heat supply (Heide wastewater treatment plant)

## TECHNOLOGY

- Meter readings are read out by means of M-Bus
- Data provision via OPC-UA
- Manufacturer-independent
- Up to 40 devices at one M-Bus terminal
- Automatic configuration
- Star, tree and linear structure possible

## PRODUCT DESCRIPTION

With the combination of established M-Bus standard and the promising OPC-UA communication, up to 80 meters of all kinds of different manufacturers can be read out simultaneously, and maximum 40 meters in the standard configuration, and transmitted reliably to the control system. At the same time it is possible to operate a large number of meter and topology types simultaneously with a Beckhoff control.

## ADVANTAGES

- M-Bus connection protected against polarity reversal
- Easy configuration
- Support for more than 80 different meters
- Transmission of the absolute meter reading, no pulse evaluation
- Up to 4km cable length possible

