

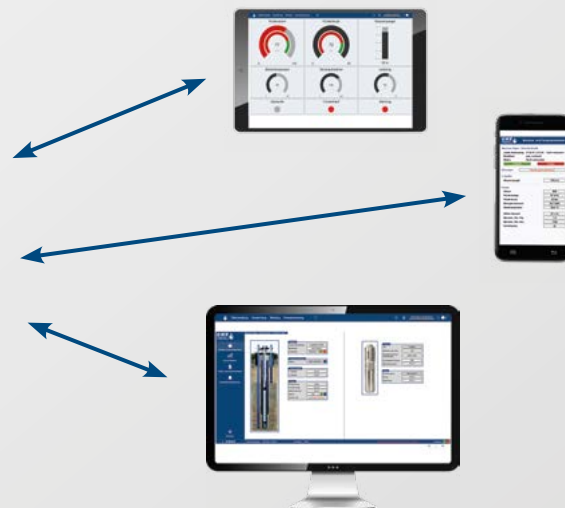


## GWE Monitoring & Control System (MCS) - Managing water intelligently

With the new MCS, it is easy for you to manage your wells, pump stations, water reservoirs and irrigation intelligently. The Monitoring & Control System enables you to monitor and control your installation using an app from wherever you are – an easy solution that offers high quality and reliable operation.

### Scope of service:

- ✓ Compact **smart** all-in-one solution for your well
- ✓ **Monitoring** of well parameters
- ✓ **Error diagnosis with remote alarm system**, remote control of pump and plant engineering
- ✓ Integrated LTE modem, VPN router and LAN interface
- ✓ High-performance quad-core processors
- ✓ Long-term data buffering
- ✓ Can be used as a full-fledged SPS
- ✓ Can be coupled with any available frequency converter
- ✓ Top hat rail installation - can be used in any control box



## The advantages for you at a glance:

- ✓ Remote control of pump and remote diagnosis of entire well
- ✓ Remote programming via internal VPN router
- ✓ Interstation communication using CODESYS
- ✓ Extremely large storage capacity
- ✓ No external SPS required
- ✓ No conversion of an existing SPS required
- ✓ External I/Os can be extended flexibly
- ✓ Powerful and future-oriented
- ✓ Stable data transmission, flexibility at point of operation
- ✓ Lightweight and compact

## Technical data

Main module	
Processor	Quad-core
Dimensions (Width x Height x Depth in mm)	123 x 142 x 50
Data transmission	LTE or DSL (automatic alternative path switching)
Interfaces	2 x LAN, WLAN, RS485 (Modbus RTU), RS232 (Serial), USB
Number of digital inputs	8
Installation	Top hat rail
Integrated SPS function	CODESYS V3.5 (according to IEC 61131-3)
Supply voltage	24 V
Operating temperature	-10 °C to +55 °C

Optional modules	
Analog input module	4 x analog inputs (4-20 mA)
Digital output module	16 x digital outputs
Temperature module	4 x PT100 inputs

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