

# RUDOLPH & DECKER

## Wireless data transmission, remote monitoring and remote-control

### APPLICATIONS

- Decentralised plants
- Plants without DSL/radio reception
- Plants without fixed power supply
- Pößneck drinking water purification plant
- Friedrichswerth wastewater treatment plant
- Freiberg association for water treatment

### FEATURES

- Time slot wireless method
- Radio transmission in the 25 kHz range
- Ambient temperature  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- 256 AES encryption
- Web interface
- SCADA protocols: Modbus, IEC101, DNP3, Comli, DF1, Profibus, IEC104

### PRODUCT DESCRIPTION

The Rudolph & Decker remote-control technology was especially developed for the wireless transmission of process data.

Use of wireless data transmission is advantageous for plants which do not have a cable connection or whose installation can only be implemented at high cost. Wireless/radio applications also often offer an inexpensive alternative for replacement of old, dilapidated cables.

Coupling with the process control system HydroDat/SCADA-V10 is achieved via OPC.

### ADVANTAGES

- Low-cost data transmission independent of leased lines/mobile providers
- Stable data transmission
- Low power consumption

