

SOFREL S500 Application

Wastewater lift station



With the additional "wastewater lift station" software, the SOFREL S500 Remote Terminal Unit provides a solution combining telemetry and SCADA and process control for the operation of wastewater disposal networks. Particularly easy to set up, the "S500 lift station" application provides the following features:

- ▶ Station operation control: pump faults, disconnections, overflows, etc.
- ▶ Calculations and summaries: pumped volumes, inflow, pump throughput, clogged pump detection,
- ▶ Station process control: pump switching, overhead treatment, operating safety management, etc.

The SOFREL S500 lift station application optimizes installation costs (reduced set up time, rational electrical cabinet layout) and contributed to operating efficiency (preventive maintenance).



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SOFREL S500: Telemetry and process control for lift station

"LIFT STATION" FEATURES

► Process control

- Pump switching (up to 4 pumps)
- Operating safety mechanisms (timers, etc.)
- Sensor fault integration
- Overhead treatment
- Anti-grease ring and anti-deposit function

► Calculations

- Pump operating time and number of start-ups
- Pumped volumes
- Inflow
- Pump flow rates
- Number and duration of overflows
- Detection of clogged pumps
- Search for parasite water



OPERATION

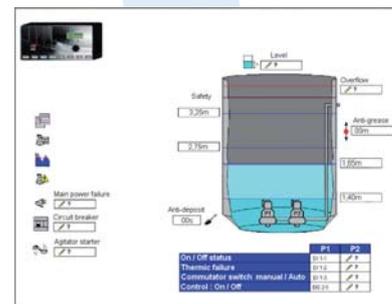
► Graphical display

- The graphical display is used to show the status of the lift station (level, tank, faults, operating time, etc.) and to modify operating parameters (start threshold, etc.)



CONFIGURATION

- Configuration is performed on a PC, in a highly intuitive graphical environment.
- All parameters are accessed directly from a graphical view representing the lift station
- Simple and quick implementation
- Flexibility for the contract operator



► Browser

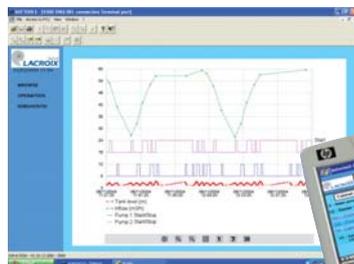
- View pumping start/stop logs, flow rate curves, etc. from a simple Web browser

► Voice and SMS server

- A fault can be reported as an alarm, either vocally or by SMS, to stand-by staff

► Telemetry and SCADA central station

- Operating statuses, volumes and flow rates, etc. are transmitted to a telemetry and SCADA central station to be archived in a database



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