



REFURBISHMENT OF HIGH-LIFT PUMP STATIONS

OUR CUSTOMER

A water supply company for private households and industrial companies.

- operates 8 plants
- The capacity of the processing plant is 320 million t / day
- Supply of 3 cities with a total population of 350.000

THE CHALLENGE

Companies that operate water treatment plants or sewage treatment plants often have high costs for extensive maintenance work due to outdated plant structures. An investment to modernize pumping stations should significantly reduce operating costs. The customer relies on predictive maintenance to detect problems early on and protect his plant. The goal was to create an innovative and intelligent network that simplifies fault-finding and reduces downtime.

THE SOLUTION – Why ifm?

In cooperation with an engineering office and a system integrator the ifm sales team designed the perfect solution. As a result they installed 5 automated units with motors and pumps controlled by a condition monitoring system, sump level control and pressure monitoring at the inlet and outlet.

With our IO-Link-masters the customer achieved a simple wiring structure with reduced installation effort. The installation time of the pumps and motors was reduced to only one day compared to 5 weeks previously with hard wiring technology.

In addition, IO-Link and fewer connections reduce troubleshooting time. This helps to provide reliable protection for expensive motors and pumps.

MEASURABLE RESULTS

With the new plant, our customer has one of the most innovative pumping stations in South Africa.

