GRUNDFOS HYDROGEN SULPHIDE SOLUTION
INTEGRATED GRUNDFOS COMPONENTS SOLVE A COMMON PROBLEM IN THE WASTEWATER SECTOR

Automated solution for eliminating hydrogen sulphide
Tried and tested solution for HYDROGEN SULPHIDE ISSUES

Bad smell. Corrosion of pipes and pumps. Health and safety issues. All over the world, hydrogen sulphide in pressurised pipes is creating problems for utility companies. Many different factors contribute to hydrogen sulphide formation, and problems can therefore be hard to solve. In many cases, however, the Grundfos Hydrogen Sulphide Solution can efficiently register and eliminate odour and corrosion issues.

Value through integration of individual components

The fully automatic Grundfos Hydrogen Sulphide Solution consists of a number of Grundfos components. The components combine to deliver an effective and reliable solution for hydrogen sulphide issues in manholes and pumping stations in A to B single-line sewer installations.

A gasphase logger in the manhole measures H2S levels at short intervals, sending the results to Grundfos Remote Management (GRM) which also receives flow measurements from the unique Grundfos Dedicated Controls. An advanced control algorithm in GRM then calculates the dosing setpoint for chemicals accurately and proportionally with system flow. The dosing data is sent to the SMART Digital dosing pump which handles the chemical dosing with great accuracy, even at varying flow patterns. The CIU communication unit handles the necessary communication between the components.

This makes for an efficient and reliable solution where the interaction between the individual components creates value.

Read more on the individual components on the next page.