PROBEST Online Monitoring Solution for Sewage Pumping Stations

• Solution Overview

Sewage pumping stations are core nodes of urban drainage systems, undertaking the key tasks of sewage collection, lifting, and transportation. In response to the current operation status and monitoring difficulties of sewage pumping stations, PROBEST has built an intelligent "equipment-environment-water quality" three-in-one monitoring system, covering all scenarios of operational safety, energy efficiency optimization, and compliance supervision.

Intelligent Management Platform



Network Transmission Layer

RS485 | 4G | GPRS | NB-IoT

Equipment Perception Layer



CODcr | Ammonia Nitrogen | Ultrasonic Level Meter | Electromagnetic Flow Meter | pH | ORP | Conductivity | SS

• Solution Advantages

☑ Full Parameter Coverage

Simultaneously monitor more than 10 indicators such as equipment status, water quality, and flow rate, supporting the comprehensive assessment of the pumping station's health status.

☑ Strong Environmental Adaptability

Equipped with IP68 protection, anti-corrosion design, and self-cleaning function, the equipment features a long service life, reducing maintenance costs by 50%.

☑ Data Fusion and Governance

Connect with the data of urban drainage pipe networks and sewage treatment plants to realize the coordinated scheduling of "pumping stations - pipe networks - treatment plants".

• Core Products



PCM200
Online Automatic Water Quality Monitor



PMA8000
Outdoor Compact Automatic Water Quality Monitoring System



ULM Series
Ultrasonic Level Meter



POP-500
ORP Sensor



PPH-500A
Online pH Analyzer



PEC-500
Online Conductivity Analyzer



EFM30
Electromagnetic Flow Meter



PSS-800
Suspended Solids/Sludge Concentration Online Analyzer