SMARTHUB

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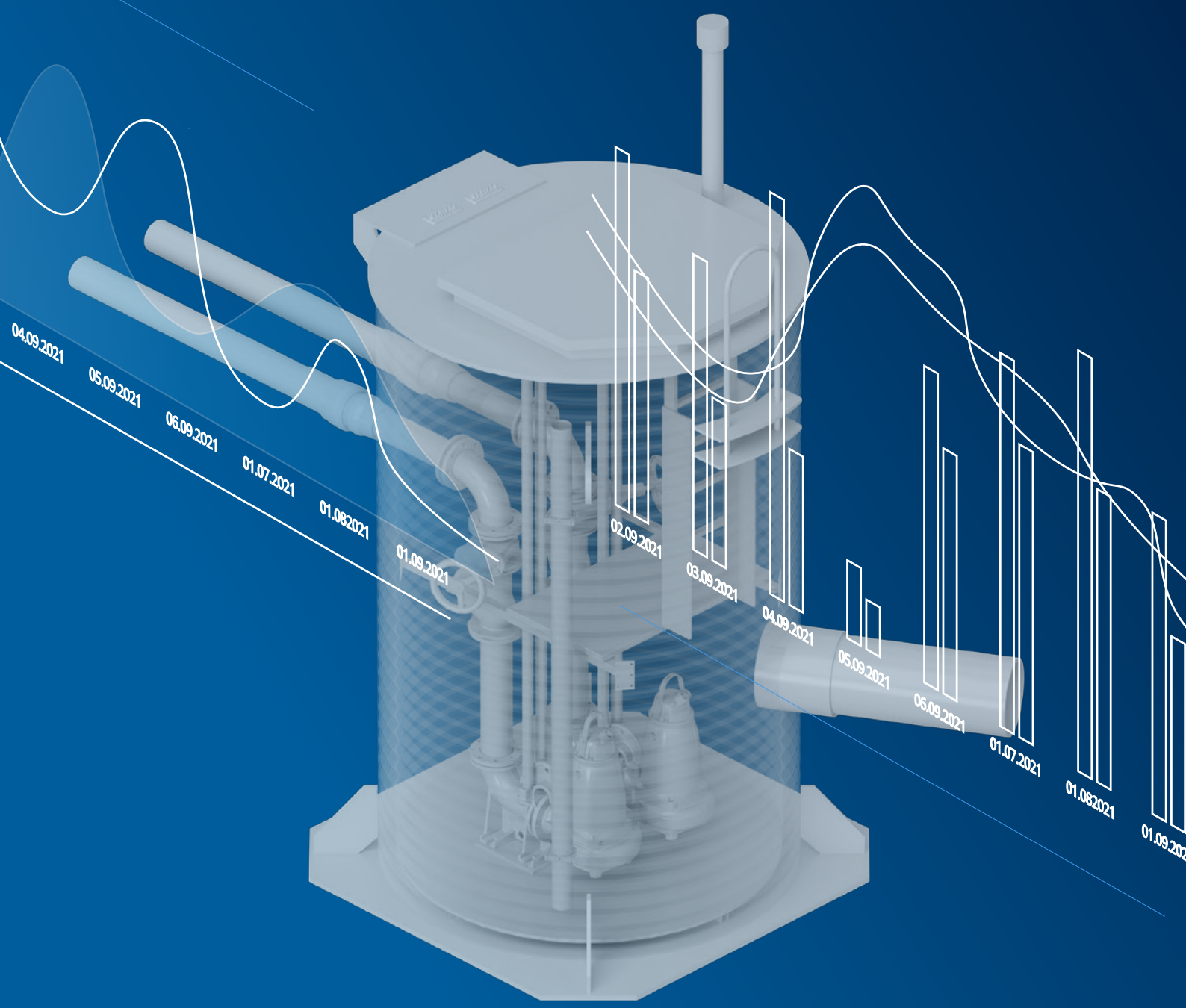
SMART PUMPING SOLUTIONS



SMART PUMPING SOLUTION FOR STORMWATER, GROUNDWATER AND WASTEWATER SYSTEMS

PIPELIFE
always part of your life

PIPELIFE's smart pumping solution is reliable, scalable and customizable for various underground water applications. It offers real-time, remote monitoring and control of water pumps in all stormwater, groundwater and wastewater systems.

PUMP CONTROL AND MANAGEMENT

Cloud-based asset management and operation with PIPELIFE SmartHub

Real-time monitoring and control of assets based on configurable process parameters — obtained from either on-site sensors or third-party service providers (e.g., weather data)

Prioritization of specific pumps in low-capacity sewage systems saves energy

Data validation to minimize false alarms

Secure access to SmartHub via two-factor authentication for performing asset management or operational activities

Add multiple assets without further SmartHub configuration

Energy saving mode available for frequency-driven pumps

SmartHub also offers APIs to integrate the collected data with third-party systems or can implement third-party data validation

CONFIGURATION AND CONNECTION

The edge controller has a built-in PLC or is connected to an existing one and performs remote pump control.

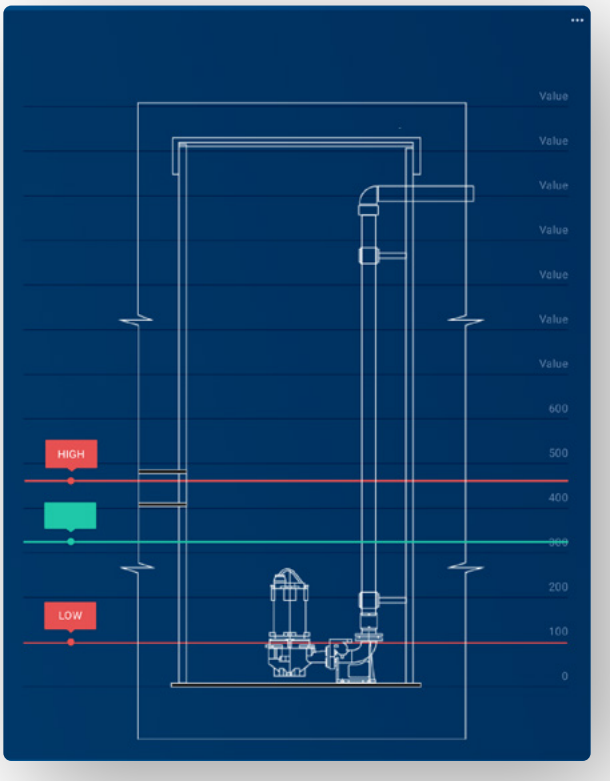
Security camera and access-control sensor integration

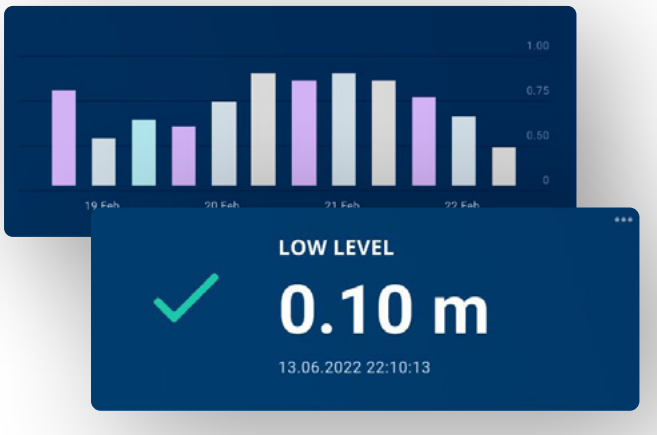
Data transmitted in compliance with IEC and OPCUA protocols

Edge controllers and data loggers connect to SmartHub through various wireless technologies, such as Mobile M2M (2G, 3G, 4G, LTE-M, NB-IoT), LoRa and Sigfox

BENEFITS AT A GLANCE

+ Effective asset operation thanks to valuable insights from converted process data
+ Save time and resources with real-time remote control and monitoring
+ Improved performance throughout pump networks with rule-based real-time control
+ Save costs and reduce downtime with predictive forecasts for errors and outages
+ Save on resources with remote troubleshooting
+ Optimized energy-efficient operation of frequency-controlled pumps
+ Compatible with external systems and data sources, such as weather data, web-based mapping services and APIs





Efficient operations and asset management in SmartHub with all relevant information securely accessible from one place, including:

+ Visualization of pumping station processes and parameters
+ Remote and local settings configuration
+ Customized reports, graphs and data-analytics
+ Notifications, alerts and real-time alarms based on customizable criteria
+ Data playback functions for maintenance diagnostics
+ Maintenance workflow and protocol suggestions
+ Automated logbook for recording all events and actions
+ Online archive of technical data, maintenance reports, installation pictures, electrical blueprints, etc.

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