Leverage real-time data to predict needed maintenance and optimize your wastewater system
INTELLIGENT SOLUTIONS TO OPTIMIZE YOUR NETWORK

Grundfos Wastewater Connect is a cloud-based solution to optimize operation and ease expansion and repair of your wastewater network. Grundfos Wastewater Connect can proactively provide overflow warning, monitor and identify infiltration water in sewers and perform predictive maintenance to save energy and labor before a breakdown occurs.

Grundfos brings a depth of application and solutions knowledge, which means our smart digital management products truly add value. We deliver optimization modules for wastewater collection systems that improve knowledge of what is going on in the network, save hours in operations and increase efficiency.

Solutions that integrate into your system
Grundfos Wastewater Connect modules can be delivered as a part of Grundfos iSOLUTIONS CLOUD, as an intelligent audit report, or as an API into your SCADA system. The modules will support your regular SCADA/SRO system and work with all equipment in your system.

Grundfos Wastewater Connect offers:

1. PREDICTIVE MAINTENANCE
Predictive maintenance and system optimization indicates a potential opportunity for improvement in relation to pipes, pumps, valves, autocoepling and the operational controller in the pumping stations.
   • Data-driven optimization suggestions lead to documented decisions and results
   • Improve not only the standalone pumping station, but the entire wastewater network

2. OVERFLOW WARNING
Proactive overflow warnings indicate events or times when the water level is increasing while the pumps are not performing at full capacity. This allows you to act to prevent the overflow from occurring.

3. ACTUAL FLOW
Get actual flow in your sewer pipes and pits, and data on the origin of infiltration in your system, whether rain- or slow infiltration-related.
   • Minimize infiltration
   • Maximize potential savings in the wastewater network and at the wastewater treatment plant
   • Provide actual data for redesign prioritization

4. INFILTRATION FLOW
Differentiate between rain-dependent infiltration and groundwater infiltration by using data from your wastewater network.

5. PUMPING STATION CAPACITY UTILIZATION
An audit of pumping stations and pump functions show the amount of water that is being moved compared to the full capacity.
   • Manage assets effectively and learn what opportunities exist for optimization
With a detailed understanding of pumps, pumping stations and sensors in your network, we have designed a range of modules that fit the pumping stations in your network, no matter who has supplied the equipment in the field.

By collecting actual flow data from different points in your wastewater network, we equip you with the intelligence to predict future events and prevent issues. This solution provides you with data-driven realities about your wastewater network, so you never miss an opportunity for optimizing your wastewater network.

**Predictive maintenance**
This system provides a new way to improve your asset management, which prolongs your equipment lifetime and allows you to maintain your equipment at a convenient time instead of emergency breakdown repair. Knowing what is going on in your wastewater network provides opportunities to address system anomalies. Additionally, the solution gives you an indication of the type of anomaly, so you can bring the right tools and parts to resolve the situation effectively.

**Optimization and service scheduling**
Utilize data from the network to pinpoint your optimization efforts and to proactively schedule service crews to remove obstacles in the system before your equipment stops working.

**Minimizing overflow**
Wastewater Connect issues a proactive warning for overflow, which helps avoid the potentially costly and serious consequences of overflow events. The overflow function gives you a warning in advance of a high water alarm with an indication of where the pumping system is not operating optimally, which means you can act before the potential overflow situation.

**Expansion prioritization**
With greater insight, knowledge and analysis of your network, you can easily prioritize where to expand or renovate your wastewater network. With Grundfos Wastewater Connect, you can follow the actual flow of wastewater in your sewers and pits, so you understand the load on the wastewater treatment plant.

**Operational insights**
You gain insights into your wastewater network, transforming pumping stations into a function of moving water with the least amount of effort, both in terms of energy and hours.

**YOUR WASTEWATER SYSTEM IS FULL OF POTENTIAL DATA TO BUILD INTELLIGENCE AND EFFICIENCY. GRUNDFOS WASTEWATER CONNECT UNLOCKS THAT POTENTIAL.**
About Grundfos iSOLUTIONS for Water Utility applications

Grundfos iSOLUTIONS is our approach to adapting intelligent technology with precision to deliver optimal performance, total energy efficiency, and ultimate reliability in your system. Grundfos iSOLUTIONS CLOUD is the platform for our comprehensive control, communication and remote management products that maximize system capacity while minimizing maintenance requirements.

We have designed digital services aligned specifically to your business needs, and our services and solutions are built on more than 70 years of industry knowledge and pioneering innovation.

For Water Utility applications, Grundfos is constantly expanding the range of intelligent cloud-based services built on the Grundfos iSOLUTIONS CLOUD platform. Your system will always be compatible with a Grundfos cloud-based solution, even with third-party components.