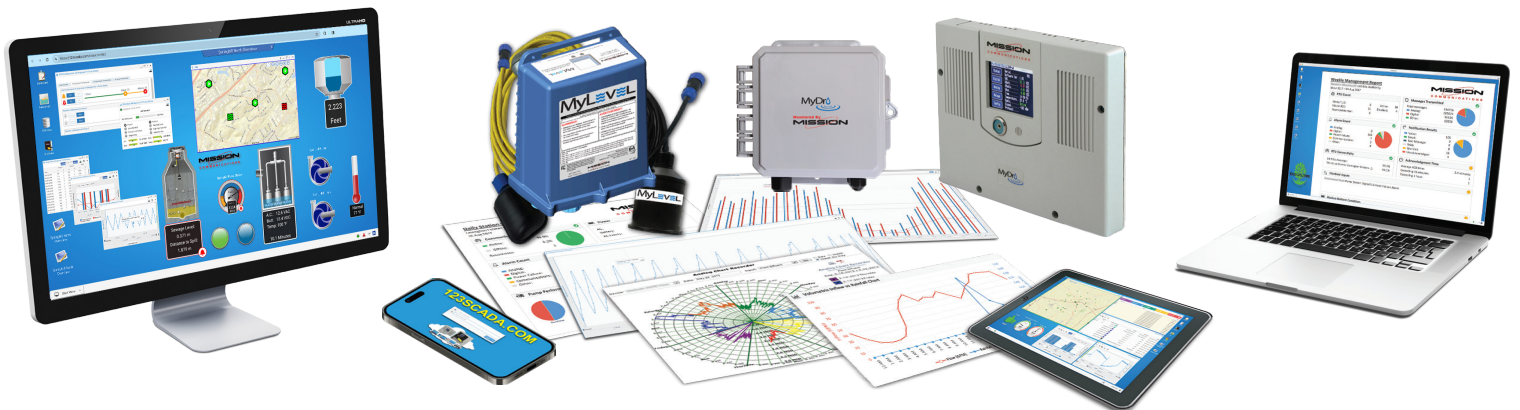




Affordable SCADA for Rural Water Communities

Secure, Scalable, and Intuitive Cloud-Based Real-Time Monitoring and Control

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COMMUNICATIONS
123SCADA



Mission Communications 123SCADA is a powerful, cloud-based SCADA platform included with the service package of our RTUs. It features an intuitive and robust design to keep you continuously connected to your systems. With real-time monitoring of equipment and environmental conditions, 123SCADA is built for 24/7/365 operations – accessible from any device, anywhere.

Applications for Rural Water

Tank & Well: Smart Automation for Rural Water Systems



The Mission Tank and Well System maintains the water level in a storage tank by automatically commanding remote well or booster pumps to turn on and off. The system relies on standard Mission remote terminal units (RTUs) and a transducer to monitor the tank level. There are no private radio networks, computers or programmable logic controllers (PLCs) to maintain. It is low cost and easy to set up.

How It Works

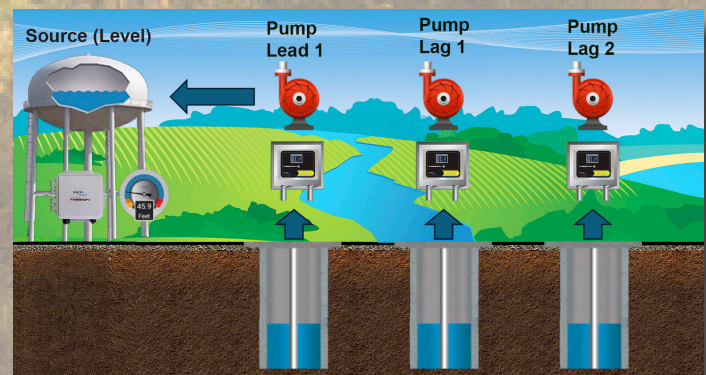
The MyDro RTU at the water tank continuously monitors level or pressure. That signal gets transmitted through secure cellular networks to our servers. The RTU may be connected to other equipment such as chlorine monitors or digital alarms. Depending on the RTU chosen, it can be line powered (MyDro 850) or battery powered (MyDro 50).

When the tank level is outside the user configured level thresholds, a command is automatically sent to energize pumps or valves and refill the tank. The Tank and Well software supports up to five outputs (pumps, valves, etc.).

Real-time notifications and reports inform operators of high pump starts, excessive pump runtimes, AC failure, low battery, and more. The 123SCADA web portal securely allows an operator with appropriate access permission to adjust the pump on/off trigger levels and other settings. Current level readings are available via trending graphs and reports on desktop computers and through the 123SCADA app on smart phones and tablets.

Water Well Pumps & Runtimes

Track pump activity and runtimes to optimize efficiency and prevent costly breakdowns. Get instant alerts when performance changes, so you can act before problems arise.



Peace of Mind for Community Water Providers



Lift Station Monitoring: Reliable Protection for Rural Communities

Lift stations are essential for moving wastewater from lower to higher elevations, directing sewage efficiently toward treatment plants. When properly equipped, these stations operate automatically, using components like wet wells, pumps, and controllers to manage water levels, while valves and piping ensure smooth flow and prevent backflow, and ventilation systems control odors and hazardous gases. The force main transports

wastewater under pressure to higher elevations. However, without monitoring, utilities are left reacting to emergency spills and discovering equipment failures too late, putting both station components and the entire delivery system at risk. Implementing a simple remote monitoring solution alerts operators to high water levels or pump issues and continuously tracks system performance, ensuring everything runs smoothly and efficiently.

What Must Be Monitored?

- High water level
- Low Water Level
- A/C power Loss
- Pump Overload
- Pump Failure
- Pump Overheating

Consequences of **NOT** Monitoring a Lift Station

- **Increased Risk of Failures:** Unnoticed pump failures can cause significant damage.
- **Health Hazards:** Overflows can spread harmful pathogens and lead to fines.
- **Higher Maintenance Costs:** Reactive maintenance is more expensive than preventive maintenance.
- **Regulatory Non-Compliance:** Can result in fines and legal action.
- **Operational Inefficiencies:** Lack of real-time data hinders optimization.

Cloud-Based SCADA

A cloud-based remote monitoring SCADA solution is crucial for preventing failures and flooding by providing early warnings of pump malfunctions, reducing health risks, and ensuring regulatory compliance. It enables preventive maintenance by detecting issues early, reducing downtime, and extending equipment lifespans. Real-time data enhances operational efficiency, lowers energy costs, and prevents emergency repairs. Accurate data ensures regulatory compliance and simplifies reporting. Continuous monitoring improves system reliability by detecting anomalies promptly and using historical data for better planning.

- Real-Time Updates
- Daily/Hourly Graphs
- Pump Insights

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Smart Sewer Monitoring for Small Utilities

MyLevel: Reliable CSO/SSO Monitoring for Sewer Manholes

Precision Monitoring for Small Communities

Mission's MyLevel delivers advanced, real-time monitoring for combined sewer overflow (CSO) and sanitary sewer overflow (SSO) events—giving small water utilities the confidence to keep their systems safe, compliant, and efficient. The rugged, IP68-rated sensor is built for tough manhole environments, providing accurate ultrasonic level measurements from the bottom of the channel to the manhole cover.

Real-Time Data and Proactive Alerts

Stay ahead of overflows with instant notifications and surge-resilient data collection, even during high-flow events. MyLevel's smart alerts help you mobilize crews only when needed, saving time and resources while reducing unnecessary site visits.

Effortless Compliance and Reporting

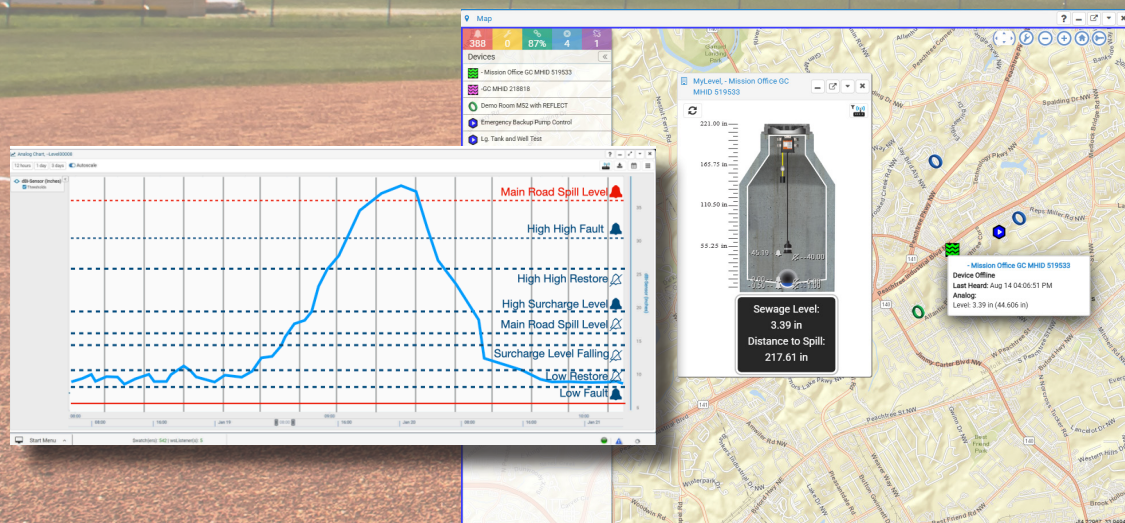
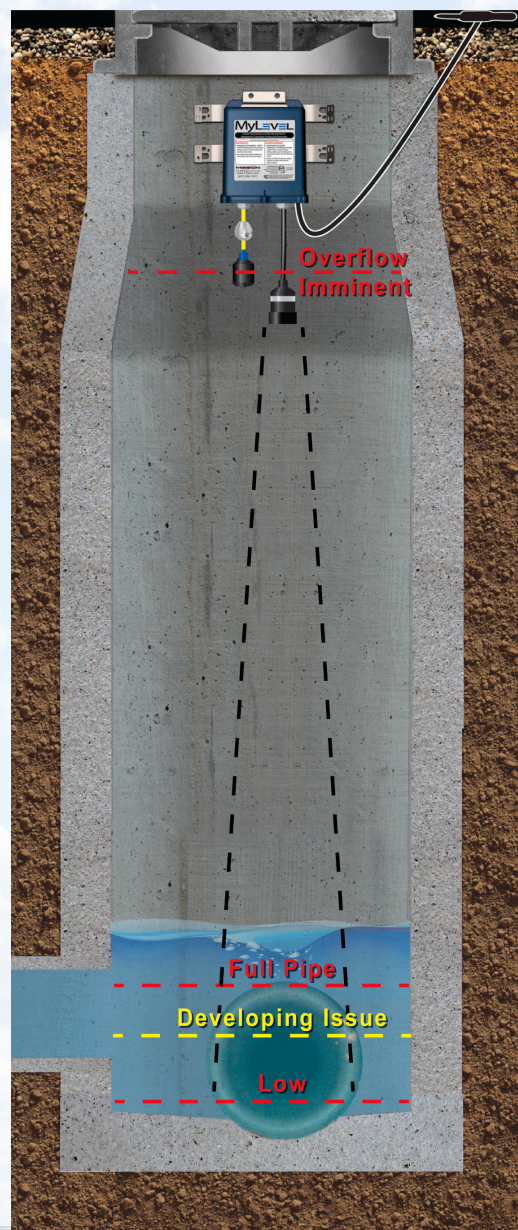
All data is securely transmitted to an online portal, where operators can access visual reports, event dashboards, and historical trends from any device. Automated CSO/SSO reporting helps you stay ahead of regulations and avoid costly fines and cleanup.

Designed for Peace of Mind

With robust hardware, reliable connectivity, and instant access to actionable data, MyLevel empowers you to protect your community and ensure safe, compliant operations—no matter how remote your service area.

Two Models Available

The MyLevel-L includes an accurate and hassle-free ultrasonic level sensor and one float, while the MyLevel-F includes two floats for specified level alarms.



Reliable Oversight Wherever It's Needed



Monitoring Rainfall, Pressure, Reservoirs, Open Channels, Culverts, and More

Rainfall

Track long-term rain totals in any location, with no grid power or network wire required. Monitor rain intensity, especially crucial during storm seasons, gaining insight to understand the sewer system characteristics and take performance improvement actions.

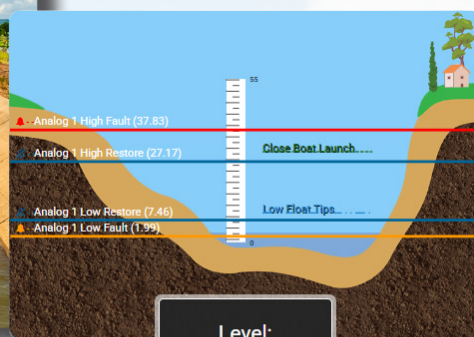
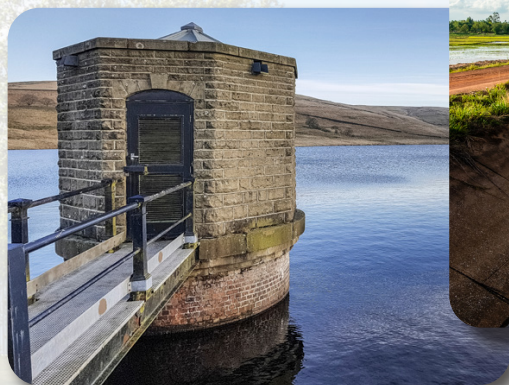


Pressure Relief & Pressure Reducing Valve (PRV)

Monitor your PRV system, tracking pressure and water levels, enhancing safety, and reducing unnecessary truck rolls. It provides historical data and alarms for continuous pressure monitoring in the distribution network.

Reservoir, Lakes, Rivers

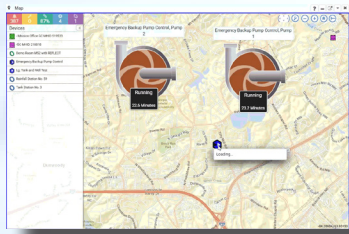
Monitor and report levels of any standing or moving surface water or culvert. Compatible with a variety of sensors, including submersible and non-contact types.



Level:
3.28 Inches
Distance to Spill:
51.72 Inches

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With Mission SCADA, You Get...



Live Data & Analytics

Get instant visibility into your operations with real-time data and dynamic analytics that turn complex information into clear, actionable visuals. Monitor trends and performance effortlessly through intuitive graphs and charts designed for smarter decision-making.

Easy Access

Access your system anytime, anywhere with a secure, cloud-based platform that keeps your data protected. Two-factor authentication ensures peace of mind while delivering convenience without compromise.



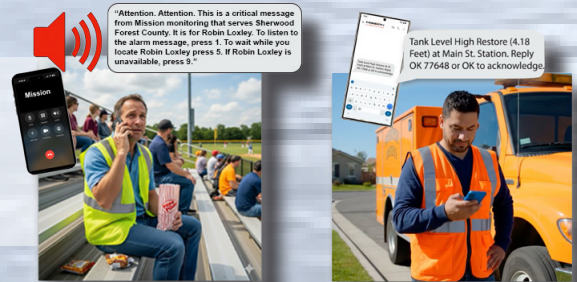
Reports, Downloads and Data Exports

Stay informed with automated reports delivered straight to your inbox, ready when you need them. Download and export data easily for deeper analysis and seamless sharing.



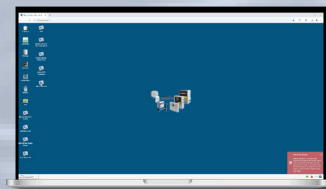
Real-Time Alarms

Never miss a critical event with real-time alarms that alert you the moment something changes. Respond quickly and confidently to keep your operations running smoothly.



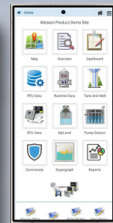
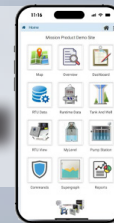
Customizable Desktops

Tailor your workspace to fit your workflow with fully customizable desktops. Organize tools, data, and visuals exactly how you want for maximum efficiency.



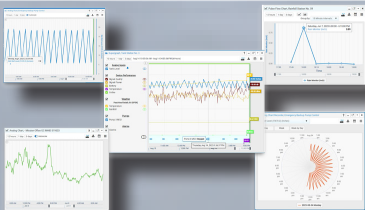
Full Featured Mobile App

Take control on the go with a mobile app that brings the full power of 123SCADA to your fingertips. Monitor, manage, and respond from anywhere with ease.



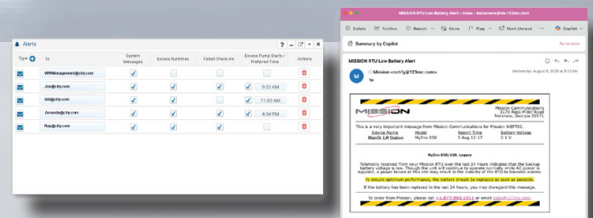
Graphs and Charts

Transform raw data into clear, compelling visuals with interactive graphs and charts. Spot trends and make informed decisions faster than ever.



Alert Notifications

Stay ahead with daily system summaries delivered straight to your email. Get timely alerts and notifications that keep you informed without lifting a finger.



Traditional SCADA vs. Managed SCADA

While traditional SCADA systems have long served as the backbone of infrastructure monitoring and control, they come with significant limitations—complex setup, high upfront costs, ongoing maintenance, and a heavy reliance on local IT resources. These systems often require dedicated servers, software installations, and specialized staff to manage updates, security, and troubleshooting. As utilities face increasing demands for efficiency, scalability, and cybersecurity, the industry has begun shifting toward a more modern approach: Managed SCADA.



Managed SCADA offers a cloud-based, service-driven alternative that simplifies deployment, reduces operational overhead, and enhances accessibility.

With secure remote access, real-time alerts, and built-in protections, Managed SCADA lets operators monitor and respond to system conditions from anywhere—without the hassle of maintaining local infrastructure. Its scalable, cost-effective design grows with utilities' needs, providing a strong, adaptable foundation for smarter, more resilient remote monitoring and control.



123SCADA Benefits

Always-On Access and Powerful Monitoring Tools

- 24/7/365 access to the 123SCADA Web App from anywhere
- Real-time monitoring of equipment, alarms, and system status
- Unlimited users and alarm call-outs for flexible team coordination
- Automatic software updates with new features and improvements
- Secure historical data storage with no time limit
- Cellular carrier management included with service plan
- Pre-built reports included for quick insights
- Real-time weather event monitoring
- Dedicated 24/7/365 technical support from Mission's expert team
- Weekly training available

Powerful RTUs

Mission RTUs are cellular connected with a multi-carrier radio and include 123SCADA with its subscription plan.



MyDro 150 and 850

- LCD Touch Screen
- 8 Onboard digital inputs
- 2 Onboard analog inputs
- 3 Relay outputs
- Expandable analog inputs, analog outputs, pulse inputs and digital relay outputs available



MyDro 50

- Available as a wall mount with IP68 ingress protection and as a node with IP67 ingress protection
- Small footprint
- Battery Powered



MyLevel

- Robust, IP68 Rated Hardware
- Battery Powered
- Intrinsically Safe; Class 1, Div 1 Certified
- MyLevel-L includes 1 ultrasonic sensor and 1 float
- MyLevel-F includes 2 floats

123SCADA Provides Advanced Protection

123SCADA is designed with robust security features to safeguard your data, devices, and operations. Whether you're managing a single site or a complex network, our platform ensures that only authorized users can access and control your system.

- Multi-Factor Authentication (MFA) adds a critical layer of protection, requiring verification beyond just a password
- End-to-End Encryption secures all data in transit between devices and servers
- Role-Based Access Control lets you define user permissions based on job function or responsibility
- Real-Time Activity Logging tracks user actions for auditing and compliance
- Secure Cloud Infrastructure with continuous monitoring and threat detection
- Session Management and Timeout Controls prevent unauthorized access from idle sessions
- Regular Security Updates ensure protection against emerging threats



Real-Time Data Integration with

Mission Communications' OPC UA Server enables secure, real-time access to remote telemetry data from any platform. Easily connect to SCADA systems or third-party software to monitor and control field devices—no local installation required.

- Access live RTU data instantly, including sensors, alarms, and system status
- Control outputs and acknowledge alarms remotely
- Built-in multilevel security with encryption and user access controls
- Compatible with Windows, Linux, macOS, and mobile platforms
- Supports OPC Classic integration via trusted UA Proxy solutions
- One-time setup. Continuous, secure data flow

Expertise You Can Count On

- U.S.-based support team with deep product expertise
- Available by phone, email, or online ticketing
- Fast response times and clear, actionable guidance
- Remote diagnostics and assistance when needed
- Access to documentation, FAQs, and training resources

Mission Communications offers responsive, knowledgeable technical support to keep your systems running smoothly. Whether you're troubleshooting an issue or need help configuring your setup, our team is here to assist.



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