

Simply More Intelligent



Advanced Monitoring • Low Cost • Managed SCADA

Why Mission-Managed SCADA

Mission-managed SCADA is a turnkey system delivered through a model that enables you to gain complete system monitoring right from your desktop or mobile device. Mission provides and maintains everything you need to monitor and operate your system.

Mission-managed SCADA is simply a better approach.

It works out of the box—the first time, every time.

Included Out of the Box:

- A SCADA system that's up and running in a few hours—no programming required
- Highly flexible, customized alarm scheduling
- Data access via web-based HMI optimized for computers, smartphones, and tablets
- Reports, graphs, tables, and charts designed specifically for the unique needs of water/wastewater professionals

- Expandable field RTUs with the most-used features already built in
- A system that uses cellular data networks for enhanced reliability with all data usage included in the annual fee, while Mission manages the carrier relationships
- Training and tech support provided by Mission, without additional expense, and a single point of contact for any issues or maintenance needs
- Predictable cost of ownership with technology obsolescence and price stability guarantees

Not Included:

- Complicated radio path studies, expensive private radio upgrades, and network maintenance
- The headaches and hassle of building a team to manage your own SCADA environment



Six Components of a D

1 Fully flexible, proactive alarms

Our diagnostic alert system quickly dispatches alarms to notify you of issues in real-time with your lift stations, pump stations, tanks, wells, booster stations, and PRV stations to prevent spills and other costly problems. Alarms are delivered via phone, text message, email, and even to your existing HMI software through an OPC data link. The alarm call-out schedule setup is easy, flexible, and intuitive. It can be as simple or sophisticated as you want it to be. Our alert system can notify you of anomalies to help reduce pump wear and tear, power usage, and more.



2 Comprehensive reports and graphs accessible from anywhere

RTU data can be securely accessed in the office or field from devices such as desktop computers, smartphones, and tablets. There is no RTU software to install or maintain. With the Mission reporting and graphing features, you can:

- Compare pump station flow with local rainfall to study inflow/infiltration
- Reduce wear and tear on your pumps by analyzing pump runtimes and starts for anomalies
- Track site access for maintenance records
- Record and report chlorine residual levels for compliance reporting



3 National wireless networks that are ready when you are

Mission has direct relationships with multiple cellular providers that uniquely allow us to have redundant, private gateways (signal paths) through the cellular system. These redundancy and data protocols are part of what allows Mission to deliver end-to-end uptime reliability much better than traditional phone lines or private radio. We purchase data in “bulk” and pass the savings on to you.

4 Dedicated security and performance managed by Mission

The Mission defense-in-depth security strategy centers on layering security measures into the system. The system is monitored from several perspectives so Mission engineers can identify any anomaly immediately. We also author—and continuously improve—our own software, enabling us to maintain our high level of performance standards and ensure continued feature upgrades.



Dynamic, Reliable System

5 Intelligent hardware with solid and sophisticated capabilities

Easy to install—purpose-built RTUs speed and simplify installation and include all necessary hardware. There is no programming required, and RTUs are self-enrolling.

MyDro, MyDro 150, and MyDro 850 RTUs

Next Generation—MyDro RTUs feature all of the functionality of the M110 and M800 and take it further with an onboard interactive display and enhanced electronics.

Model M150

- Real-time alarms
- Hourly updates
- Continuous and secure RTU connection
- Manual remote control

Model M850

- Real-time alarms and streaming analog data for trending
- Real-time pump state changes
- Continuous and secure RTU connection
- Automated remote control with optional Tank and Well package



Manhole Monitor +

The Manhole Monitor Plus is our sewer overflow alarm and tracking system. Floats tipped by surcharges and high levels signal Mission servers to initiate notifications. It features our game-changing RMDT1 radio; this allows the device to switch cellular carriers as needed to ensure the best signal for reliable data transmission. The intrinsically safe IP 68 rated enclosure features double seals for the ultimate environmental protection.

- In-sewer, real-time CSO/SSO alarm system
- Rugged, waterproof enclosure
- E-paper display shows last reading without waking device
- 5+ year battery
- In-road antenna

6 Mission performance is guaranteed year after year

You never have to worry about technology obsolescence with Mission. We help our customers meet evolving challenges by staying on top of industry trends and making sure new features are readily available. Our managed service model provides the opportunity to upgrade previously installed equipment to the latest RTU without high up front or out-of-warranty expenses. That assurance is reinforced with our predictable cost of ownership—a pledge not to increase our annual service fee more than the rate of inflation. We want to earn your business, month after month, year after year, by delivering state-of-the-art technology through the most streamlined, cost-effective model available.

How Can You Use Mission Systems?

1. Complete stand-alone alarm and SCADA system

Small-to-medium size municipalities use the Mission system as a complete stand-alone alarm or managed SCADA system. This works especially well for lift stations at less than half the price of custom-developed SCADA. Mix and match RTUs and the Manhole Monitor Plus to meet all your needs. All Mission-managed service packages include communications, data storage, alarm call-outs, reports, and technical support.

2. Dialer replacement

A full Mission SCADA system costs less than a telephone dialer. You can upgrade one site at a time or the whole collection system.

3. Back up to existing problem or critical sites

Mission can provide backup at problem or critical sites that require redundant monitors and alarms. This improves system reliability and effectiveness for daily operations.

4. Fill-in to existing SCADA—hybrid or blended system

View your Mission data through our web interface, send the data into your existing SCADA software via our OPC client for redundant HMIs, or both. System savings with this approach typically run in the tens of thousands dollar range, both up front and over time.

5. In-sewer monitoring and alarming

Protect your organization from liability by monitoring your manholes to identify problems before they escalate and ultimately lead to spills. These low-maintenance, battery-driven systems install completely under the road bed, are waterproof and rugged, and cost less than \$1 per day to operate.

Where Can You Use Mission Systems?

Water

- Tanks and Wells
- Flow Meters
- PRV Stations
- Streams, Ponds, Reservoirs, etc.

Wastewater

- Lift Stations
- Manhole Sites
- Pump Stations
- Booster Stations

Monitoring and Reporting:

- Real-Time Alarms
- Pumps Starts and Runtimes
- Level
- Flow
- Current
- Pressure
- Chlorine
- Turbidity
- Temperature

Remote Control:

- Tanks and Wells
- Valves
- Standby Equipment
- Chemical Dosers

Add rainfall tipping buckets to get a complete rainfall monitoring system.

With Mission-Managed SCADA, you can:

- Install RTUs in a morning, and control costs all day
- Quickly identify system issues while on the go
- Leverage more control over your system to increase performance
- Simplify compliance reporting
- Increase efficiency by reducing pump wear
- Monitor your water/wastewater system from anywhere

You're Never Alone

We're ready to hand over the keys to a SCADA system built to meet your unique requirements. Everything is protected, affordable, and as easy as 1-2-3. You can even take a no-risk test drive using our trial RTU. We'll make it easy to move forward from there with a low and predictable total cost of ownership.

Share your needs with us, and we'll get to work determining the best path to achieving your water/wastewater monitoring goals. We provide live technical support, comprehensive training videos, and regular webinars. U.S. based after-hours support is always available on a responsive callback basis for emergencies—no additional charge.

Contact Mission today!



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