

Case Studies Summary

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In addition to the publications below, every quarter we feature unique ways Mission customers use our solution, as well as current industry topics and unique explorations into the topic of water. Subscribe for future releases, and read our back issues at 123mc.com.

Wastewater Applications

Precision Flow Reconciliation

The Mission Instrumentation Partner Program (MIPP) helped Franklin Sebastian Public Water Authority (serving Lavaca and Charleston, Arkansas) to connect Mission RTUs directly to SadaMetrics flow meters. In addition to upgrading from an outdated system, they gained the ability to directly read flow meter readings on 123SCADA.

As seen in Water & Wastes Digest, 2021





Streamlined Process

South Carolina's Oconee Joint Regional Sewer Authority replaced a system that typically monitored generators with the Mission monitoring system, which is designed for the water and wastewater industries. They not only improved their online monitoring with better connectivity, they also revealed blind spots in billing and took better care of their pumps just by looking at some simple reports.

As seen in Water & Wastes Digest, 2020

Complicated vs. Intuitive

RiverSouth Rural Water District, spanning over 200 square miles of the Arkansas Ozarks, struggled with an overly complicated system and decided to migrate to Mission RTUs. Transitioning in small increments was easy on their budget and allowed for automatic commands to regulate levels and provided needed context for data in their reports. They reduced staff travel time without putting equipment and levels at risk.

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As seen in Water & Wastes Digest, 2020



Monitoring in Quebec

Mission products helped Jean-Yves Piché, the public works director for Sainte-Thècle, Quebec, monitor and control water and wastewater needs with the help of the French versions of monitoring tools and alarms, as well as French-speaking technical support. He first installed a Manhole Monitor after some sewage overflows, then added RTUs for both sewer and clean water sites. The monitoring system especially helps during the busy camping season.

As seen in Water & Wastes Digest, 2019



Mission Empowers RUSA to Solve Problems Before They Happen

Initially proposed as a traditional SCADA alternative, Mission RTUs help Roseburg Urban Sanitary Authority (RUSA), based in Roseburg, Oregon, monitor levels at every site remotely. This came in handy when a snowstorm left every lift station without power with only a limited number of portable generators, allowing for strategic deployment.

As seen on Water & Wastes Digest online, WWDMag.com, 2019

Monitoring Rainfall

The City of Springfield, Missouri integrates Mission-managed SCADA throughout several divisions of its Public Works Department. City officials use Mission data for floodplain remapping, stormwater sampling, and wastewater monitoring at city lift stations.

As seen in Water & Wastes Digest, 2018





Mission-Critical Monitoring in South Carolina

The wastewater treatment agency, Renewable Water Resources (ReWa), in South Carolina replaces their dial-up phone system at pump stations with Mission units for increased reliability.

As seen in Water & Wastes Digest, WaterWorld, and SC Journal, 2018

SCADA: Eyes & Ears

Darien, Connecticut upgrades from obsolete programmable logic controllers to purposebuilt Mission RTUs to monitor pumps, generators, and wet well levels at each of its pump stations.

As seen in Water & Wastes Digest, 2017





Saving Time, Money & Manpower

Lenawee County, Michigan adds Mission RTUs to 40 lift stations, saving time, manpower, and money. The Mission system reduces site inspections, finds holes in riser pumps more quickly, and resolves a major billing dispute with the local power company.

As seen in Water & Wastes Digest, 2016

Monitoring Brings Reliability to Wastewater Collection Systems

Clean Water Services (CWS) upgrades from a traditional SCADA system to Missionmanaged service. RTUs help CWS monitor 40 major pump and lift stations to monitor wet well levels, pump runtimes, pump amperage, and pump capacity.



As seen in Pumps & Systems, 2015

Banishing Backups

High-level and surcharge alarms notify operators at The Village of Waterford, Wisconsin and the City of Clarksburg, West Virginia of problems so they can prevent and track manhole backups and overflows. Event duration data is used to generate reports that are submitted to governing agencies for compliance.

As seen in Water & Wastes Digest, 2014





Isolating Inflow & Infiltration

Missouri officials recognize Duckett Creek Sanitary District for collection system improvements. Monitoring equipment provides timely and accurate data to detect and eliminate inflow and infiltration.

As seen in Water & Wastes Digest, 2013

SCADA Monitoring Maximizes Pump System Performance

The City of Eureka, Missouri reduces costs and labor by proactively monitoring and tracking pump efficiency. Repairs are anticipated with timely, accurate, and reliable information.

As seen in Pumps & Systems, 2013





Reaping the Rewards of Restoration

Caryville-Jackson Utility Commission in Tennessee receives an EPA award and grant for reducing collection system energy usage and flow with the use of real-time streaming data.

As seen in Water & Wastes Digest, 2013

SCADA for Certainty

Ashland and Frankfort, Kentucky face different problems in updating their infrastructures. One has a limited budget while the other has an aging telemetry system.

As seen in Water & Wastes Digest, 2011









Peace of Mind

Chautauqua County, Kansas uses solar-powered Mission remote terminal units (RTUs) to monitor many miles of pipeline for leaks. The 123SCADA web portal makes it easy for the operator to detect potential issues.

As seen in Water & Wastes Digest, 2018

Monitoring the Museum

The Maryhill Museum of Art in Goldendale, Washington preserves and houses art and other historical artifacts. Mission Communications provides the monitoring and remote control equipment for the onsite water system, which supports the property's HVAC and irrigation systems.



As seen in Water & Wastes Digest, 2017



Small Town SCADA Yields Big-Time Results

Marlboro Water Company in South Carolina replaces its outdated system with the Tank and Well Control Package, which provides real-time monitoring and remote pump control. Increased efficiency and water prevention saves the utility valuable resources.

As seen in Water & Wastes Digest, 2013

Wireless SCADA Technology Supports Utility During Winter Storm

Hillview Water Company in Oakhurst, California credits Mission-managed SCADA for averting disaster during a severe winter storm. The remote monitoring capabilities of the system kept water flowing to thousands of customers after a major snow storm.



As seen in Water & Wastes Digest, 2013



San Juan Island Well Production and Tank Level Monitoring

In San Juan Island, Washington, sparse freshwater resources and limited personnel make for a challenging installation at a remote site. The Mission system received a strong signal, while the installer's cell phone had no reception, even operating on the same network.

As seen in Water & Wastes Digest, 2012

Hybrid SCADA Applications

Pebble Beach Community Services District Backup Monitoring to an Existing SCADA System

Pebble Beach, California maintains a long-standing record of pump station reliability. Recurring communication failures with its phone-line-based SCADA system led the district to seek out other options.

As seen in Water & Wastes Digest, 2012





High Tech in the Low Country

Beaufort-Jasper, South Carolina combines managed SCADA with existing telemetry to save money and increase efficiency for a complex system that serves multiple counties.

As seen in Water & Wastes Digest, 2010

Miscellaneous Applications

Controlling Communications

Palm coast Stormwater Division in Florida added real-time SCADA RTUs to gate structures to automatically open and close gates to control water levels in stormwater canals.

As seen in Stormwater Solutions, 2014





Utilities Expand Personnel Capabilities with Managed SCADA System

As the water and wastewater industries face a shrinking labor force, Mission-managed service and remote monitoring accommodate the decrease in available manpower.

As seen in Pumps & Systems, 2013

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