

# Turn Data Into Decisions With Claros, the Water Intelligence System From Hach

Changing regulations, unpredictable influent levels, unplanned instrument downtime, irregular samples and incorrect data logging are all problems plant operators face. Without a clear picture of their water or data, operators face uncertainty about efficiency and compliance. With 17 percent of the nation's wastewater treatment plants receiving penalties for compliance issues, there's a clear need for a solution.

Imagine the time savings, cost reductions, and peace of mind that a complete water intelligence system could provide. Channeling 70 years' instrument expertise and 25 years' software development in wastewater treatment, the Claros Water Intelligence System from Hach addresses three critical areas: instrument management, data management and process management, harnessing information to deliver guided insights for optimized plant operations.

## IS YOUR INSTRUMENT DUE FOR MAINTENANCE?

Sludge. Scaling. Toilet paper. Probes at wastewater plants have a dirty job, and need proper maintenance and calibration. Even process equipment needs attention. Keeping instruments well-maintained means operators can trust measurement data.

Prognosis predictive diagnostics helps plant operators stay in front of instrument maintenance and calibration, reducing unplanned downtime and errant measurements. Mobile Sensor Management provides status alerts for all connected instruments within a single view, allowing operators to see their system's complete performance. Better instrument management helps reduce unplanned downtime, and lets operators know if changes to measurement data are due to an instrument or the water.

## DO YOU HAVE THE DATA YOU NEED, WHEN YOU NEED IT?

Data on its own doesn't ensure compliance or reduce costs. Claros provides the insights into the data that can make the difference between optimization and compliance woes. Data traceability helps pinpoint where a data error may have occurred, while quick data compiling available in a central location provides accurate views of critical parameters.

Water Information Management Solution (WIMS) software combines water system data sources in a central, secure database, providing the tools needed for electronic and paper reporting, analysis and monitoring. When investigating data, the filters, drill-downs and custom forms help operators find insights hidden in raw data.

## ARE YOU WASTING MONEY ON OVERTREATMENT?

There is a certain rhythm to wastewater influent, but there's no way to predict an unexpected peak load, so process management is crucial to ensuring cost-effective plant operation leading to compliance. Claros Real-Time Control Solutions (RTC) measures water continuously, providing major cost-savings opportunities such as reducing chemical dosing and basin-blower run-time, helping operators stay in compliance while using the least amount of chemicals and energy.



## ARE YOU READY TO SIGN THAT REPORT?

With a complete picture of a plant's instrument, data, and process information, users will gain the insights needed for optimization. Proactive maintenance means less unplanned instrument downtime. Crucial operations can be automated around the clock. Data compiled from multiple sources provides actionable insights, so operators can run their plant efficiently and sign the report with confidence.



**Hach** has provided innovations to support its customers for more than 70 years. Hach gives customers confidence in their water analysis by delivering expert answers, outstanding support and reliable, easy-to-use solutions. Hach analytical instruments, services, software, and reagents are used to ensure the quality of water in a variety of industries in more than 100 countries globally.

**For more information: 800/227-4224 • [www.hach.com](http://www.hach.com)**