

# Smart Water – Don't Waste Your Data

## Automated Delivery of Actionable Information & Insights

*Delivering timely and actionable information to your organization's executives, managers, and operations personnel enables and drives significant outcomes – improved operations performance and resiliency, protection of critical equipment, extended asset lifespan, and higher returns on investment.*

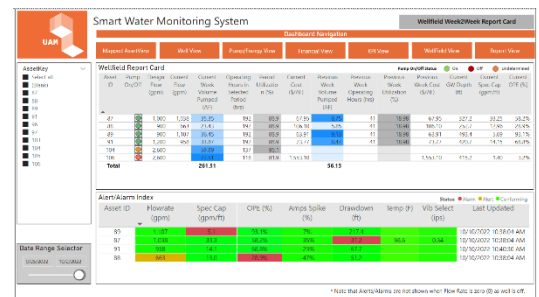


IIoT (Industrial Internet of Things) monitoring systems with their sensors/devices and analytics are revolutionizing the way individuals and organizations work. In the Water Industry, “big data” or “digital water” have the power to help utilities and large consumers address the myriad of challenges they face, while optimizing asset performance and avoiding equipment or system failures.

However, like any complex technology, these systems must be monitored, managed, and actioned through critical information capture, analytics and communication to the appropriate staff for action. Black & Veatch's **2022 Water Report** states that utilities feel: ‘they’re collecting “lots of data,” though slightly more than one-quarter believe they are leveraging it effectively. They’re losing out....’ Critical data needs to be readily identified, diffused and actioned to return real value on the SmartWater investment.

SmartWater systems are essentially real time monitoring, analytics, and intelligence systems. They need to be checked in order to ensure they operate at peak performance and their output/information analyzed and communicated effectively for maximum value. It is not practical or necessary to employ a team to constantly watch the system's console or dashboards: the right system delivers critical value and frees up the time of management, operations, and maintenance teams. Information, early warnings and actionable insights must be distributed to the right resources in a timely, concise and usable format.

UAM's Smart Water platform accomplishes this through three communications channels:



*Example single-page report e-mail weekly to Utility Director to evaluate week to week performance, variance in production & asset utilization and identify alarming assets.*



- Automated KPI Reports:** Smart Water delivers executive focused, one-page KPI reports - via scheduled daily, weekly, and/or monthly emails - to improve operational oversight and insight, highlight system trends and signal critical performance issues that require further attention.



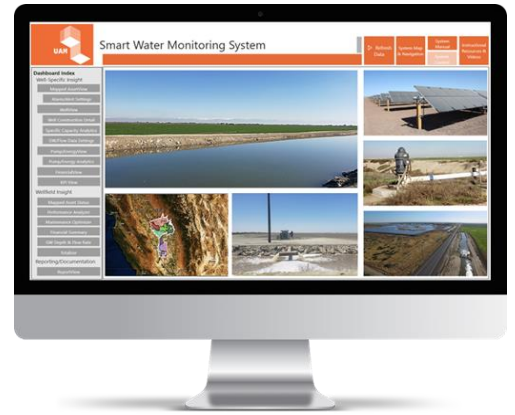
- Pushed Alerts/Alarms:** This automated feature constantly evaluates system performance levels and sends alerts/alarms via SMS, e-mail, and/or texts when operational status crosses set threshold(s). This Smart Water warning system alerts system changes and enables AI to cross-tabulate changes and evaluate emerging failure risk. The warning system empowers decision-makers with timely information and insight. Performance thresholds are set at a level that allows time for potential problems to be dealt with before they become critical or lead to failure.



*Example SMS text alarm pushed to phone*



- 3. Online Dashboards:** Smart Water’s dashboard-driven interface enables the deep dive into water operations and performance in real-time through a secure internet connection. The system harnesses Microsoft’s Power Bi Intelligence platform to visualize and analyze streaming real-time and historical operational data from a client-customized sensor package – typically including flow, depth, power, temperature, vibration, and turbidity metrics. The system provides users with direct sensor data, calculated KPIs, analytics and AI to optimize your assets’ performance. Comprehensive reporting via email and printing is enabled to suit your needs.



*Smart Water system navigation dashboard*

UAM’s Smart Water is an enterprise-level asset management system with real time reporting, and analytics that enables your organization to maximize the value and performance of your water assets. The platform’s high-value communication capabilities, scheduled e-mailed summary reports, pushed alerts/alarms, and a feature-rich dashboard-driven BI system ensure that time-critical information is delivered and available to the right organizational resources in actionable format!

Contact UAM for a live demo and/or further information regarding how our Smart Water system can support your asset management needs at:

Utilities Asset Management, (UAM LLC)  
Tel: 1 (805) 738-5868  
Email: [john@uamllc.com](mailto:john@uamllc.com)  
Web: [www.uamllc.com](http://www.uamllc.com)