



Harness The Power of Decision Intelligence

DRIVING PERFORMANCE IMPROVEMENT WITH SMARTER WATER

We have **the opportunity of a lifetime** to help create a world in which water challenges are no longer a barrier to human health, environmental sustainability, or prosperity.

What will deliver true economic and environmental value for utilities and their communities? Application-specific solutions that use information to drive dramatically better capital and operational decision-making, save money, reduce risk, improve the environment, and improve revenue recovery.

There has never been a better time to be a utility manager than today. Recent advancements in analytical technologies for water and wastewater management mean that long-standing problems can finally be addressed in an effective and affordable way. Digital solutions are enabling dramatic financial and operational improvements through better system controls, more efficient monitoring and diagnostics, more targeted investments, and a transition to a holistic model of system management.

This new approach to water management, which harnesses the power of decision intelligence, leverages data to inform better system-level choices today, while understanding and considering future outcomes for operations, maintenance and capital planning. These tools scan, predict, recommend and prioritize actions that make a significant positive impact on critical outcomes including cost-effective reduction of non-revenue water, water main breaks, sewer overflows, water quality violations, and more efficient capital and operating expenditure. In turn, they help utilities make progress on the challenges that matter most to the communities they serve: water accessibility, environmental sustainability and resilience, and affordability.

Through a multi-stakeholder, collaborative approach involving private sector companies, policy-makers and NGOs, we truly have the opportunity of a lifetime. Together, we can help create a world in which water challenges are no longer a barrier to human health, environmental sustainability, or prosperity. This opportunity is empowered by decision intelligence, bringing solutions to water challenges in six key areas.

Our connected strategies powered by decision intelligence



Reduce System Losses

Decision intelligence technologies include advanced meter data analytics and high-resolution inspection tools. Together, these comprehensive and cost-effective technologies provide a powerful strategy for non-revenue water reduction that reduces real and apparent losses to economic levels.



Proactively Manage Your Assets

Decision intelligence enables utilities to multiply the capital productivity of planned spending by focusing on the assets that need the greatest attention. By combining real-time sensing, data analytics, and regular assessment services, utilities can reduce damage to assets, prioritize investment to prevent asset failures, and reduce the consequence of failure by enabling greater system control.



Ensure Quality from Source to Tap

Reducing the risk of compliance violations and enhancing public confidence, decision intelligence solutions provide real-time, location-specific water quality updates to system operators, empowering them to take proactive actions to ensure the delivery of high-quality water to the end-user.



Manage The Urban Watershed

The key imperatives of wastewater and stormwater collection and treatment systems are ensuring reliable service while maintaining compliance with environmental objectives and regulations at the lowest total cost. Decision intelligence leverages assessment technologies, real-time monitoring, data analytics, and system modeling so utilities can reduce the cost of maintaining compliance with clean water regulations, both through capital optimization and energy efficiency.



Advance Water Equity

Across the globe, water rates are escalating rapidly to finance investments in our increasingly stressed water infrastructure - hitting hardest those citizens who can least afford them. Decision intelligence addresses this water equity challenge in a systematic way by combining modeling, data analytics, modern communications and an "open architecture for affordability", using tools that reduce regressive cross-subsidization, bill shocks, and cut-offs in an economically-viable way that supports all members of the community.



Manage the Data Deluge

Water utility managers are collecting more and more data, but the value of this data is often not realized or is locked away in silos. Decision intelligence unlocks this data by focusing on usability, interoperability and application development, enabling faster and better short- and long-term decision making, cross-departmental collaboration and improved customer service.

With decision intelligence, a smarter utility is in sight.

The solutions driving decision intelligence are not prototypes being tested in a laboratory; these tools have proven their value and gained trust with utilities around the world, providing unprecedented insight into operations, enabling a shift in resources from emergency response to proactive management, protecting against rapidly escalating water rates and reducing impact on surrounding environments. Let's seize the opportunity for a smarter utility and a smarter water future.

For case studies and more information, contact us at decisionintelligence@xylem.com.

xylem
Let's Solve Water

United States

8920 State Route 108, Suite D
Columbia, Maryland USA 21045
Tel: +1 (443) 766-7873

www.xylem.com