The Sustainable Real Time Water Enterprise

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ABSTRACT

With water becoming scarcer and its demand ever increasing, water utilities around the world feel the increasing pressure of remaining sustainable. With the continued social, economic, and environmental challenges, this paper discusses how real-time and historical data enables water utilities to save money, provide safe drinking water, meet stringent environmental discharge regulations and achieve sustainability. From the thousands of water and wastewater utilities around the world, many are not collecting or fully utilizing the data they are regularly generating from their instrumentation and controls systems.

This is due in large part to the challenges of disparate data systems, lack of understanding about advanced data analysis and ever-changing technology environments. Case studies will demonstrate how utilities leverage real-time information to integrate their operations and disparate systems, as well as provide enterprise visibility in support of real-time decision making at all levels of the organization With real-time data, water utilities manage assets and increase their lifecycle, defer millions of dollars in capital expenditures, streamline billing systems, reduce water leakage, optimize operations, reduce energy and chemical consumption, enable capacity planning, meet and monitor environmental compliance, ensure public safety, and achieve corporate sustainability in a secure and auditable manner.

ABOUT THE SPEAKER

Gary Wong, P.Eng., MBA, CME is OSIsoft's Global Water Industry Executive and has extensive international experience providing sustainable, strategic and cost-effective business solutions, particularly in the water and wastewater industry. Gary has worked with major international organizations in both the public and private sector on sustainability, IT strategy, planning, operations, and engineering. Gary holds a Bachelors Degree in Chemical Engineering, is registered as a Professional Engineer in Computer Engineering, holds an M.B.A., and is also a Certified Management Accountant.