

Your machines are talking, are you listening?

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SUBMISSION TYPE

30 minute presentation

KEYWORDS

Advanced Analytics, Information Management, Big Data, Digital Platform, Digitization, Industrial IoT, KPI, Mobility, Remote Access, Process Optimization, Process Efficiency, Cloud, SaaS, Collaboration, InSight.

ABSTRACT

Readily accessible, high quality drinking water is increasingly becoming a scarce resource.

According to a recent United Nations Human Development Report: “Water scarcity affects more than 40 percent of people around the world”. In another reference, a country cited water scarcity as a larger threat than terrorism. Demand for water is increasing as populations increase, demand for water quality is more important now than ever as population density increases as well. As a consequence, water utilities are under pressure to find ways to adapt to these challenges and deliver more with less. The lower tolerance for water leaks, excessive water use and inefficiency in the treatment and processing of wastewater has moved well beyond shocking headlines to becoming increasingly codified into laws and regulation that we must comply with.

To meet these challenges, water utilities are being compelled to act and respond with existing investments along with a parallel plan on how to strategically evolve into the future. The first step to any improvement initiative is start enabling the connection and collection of related measurements from instrumented devices to baseline operations for future improvement.

However, unlike in the past, the renewed sense of urgency doesn’t leave time for long drawn out projects that are typically capital cost and resource intensive. What’s needed is a faster, more agile capability to close the loop for faster returns by having intelligent systems quickly deployed, quickly surface insightful interpretations of that data in a proactive manner coupled with rich visualizations including dashboards for easy and immediate issue identification and analysis – all delivered as a secure, pain-free service in any context, to any location and to any stakeholder.

In this presentation, we will reveal how water utilities can take immediate action to extend existing assets while investing into capabilities that will position them well for the future. Water utilities can start to enable smarter, more proactive data driven decision making – in just 5 minutes or less!

ABOUT THE AUTHORS

Saadi Kermani is the global business development manager for the Industrial Information Management business at Schneider Electric with 14 years of experience. He is a certified Professional Scrum Product Owner, certified Pragmatic Marketing Product Manager, a Grenadier Guardsman for the Canadian National Department of Defense and holds a Bachelors of Commerce degree in Management Information Systems from the John Molson School of Business at Concordia University in Montréal, Québec, Canada. Contact: Saadi.kermani@schneider-electric.com