

A CLOSE LOOK AT AQUA METROLOGY SYSTEMS' 2018 MILESTONES AND OUTLOOK FOR 2019

2018 Year in Review

In 2018, [Aqua Metrology Systems](#) (AMS) raised awareness of the value of real-time, online high-density data to determine the presence of water-borne contaminants of concern. We deployed the concept of an [Intelligent Water Treatment System](#) in which our online sensors provide real-time control of the performance of sophisticated but otherwise unintelligent water treatment systems and act as a “canary in the mine” when these systems fail so that they can be shut down before human health or the environment are put at risk.

Real-Time Data

This was the year in which AMS made giant strides to deliver predictive analytics to water companies, so they can determine the presence of trihalomethanes (THMs) and have better visibility of the quality of water being delivered to their consumers. AMS' online [THM analyzers](#) have been adopted by leading drinking water and wastewater utilities across the U.S. and in several European countries. Until now, online analyzers for THMs have provided data that is of limited practical use. Now, utilities can predict in real-time water quality in their networks and adjust their treatment systems accordingly to ensure consumers are delivered water that meets regulatory standards in respect of this carcinogen. We are the only company in the world offering this capability.

AMS Takes the Lead

In 2018, we cemented our position as a U.S. market leader in online analyzers for chromium, selenium and arsenic. Even the most advanced trace metal contamination treatment systems sold by leading vendors, such as Evoqua, Suez, AdEdge and Frontier, struggle to cope with changes in operating conditions, making real-time, high-frequency control of their performance essential to system optimization and providing alerts when these systems fail. Leading engineers and various clients presented the value of our online instrumentation at major industry conferences in 2018 (e.g., ACE, WEFTEC and WQTC).

Intelligent Water Treatment System

Traditionally, AMS' online sensors have acted as the “brains” that enable water treatment systems to react to or anticipate changes in untreated water quality to ensure that treated water meets a regulatory standard. In 2018, we began deployment of our own patented [Intelligent Water Treatment System](#) that can treat the presence of hexavalent chromium in drinking water and industrial effluent; treat lead in domestic drinking water systems; and remove mercury and selenium from industrial effluent. We have begun deployment of this highly efficient and competitive technology that incorporates our real-time contaminant monitoring capability in a number of demonstration pilots in the U.S.



(Page 2 of 2)

2019 Outlook

We anticipate continued rapid growth driven by wider adoption of our online contaminant analyzers in North America and Europe. Recent successes with leading international semi-conductor manufacturers in the U.S. will be leveraged with their operations in China, India and South Korea to accelerate our growth in Asia.

THM Formation Potential

In 2019, we will begin deployment of the world's first online THM analyzer capable of predicting the [THM Formation Potential](#) of raw water that will enable cities like New York to optimize the blend of raw waters they treat to minimize the presence of this contaminant in the drinking water they deliver to millions of customers.



Widening Access to Safe Drinking Water

In 2019, we also expect to secure initial commercial sales of our proprietary [Intelligent Water Treatment Systems](#) for chromium, mercury, lead and selenium remediation. The significant advantages of these systems in terms of lifetime costs, footprint and ease of deployment compared with traditional treatment systems will demonstrate how innovation can reduce significantly the costs of drinking and wastewater treatment, and thereby widen access to safe drinking water and support tighter regulatory standards for these contaminants of concern.

We have reached this position after 10 years of intensive product development and marketing and sales efforts which have depended on the commitment, grit and determination of AMS' team, the support of our business partners and the encouragement of our clients and leading engineering groups who have been willing to work with us to bring our innovations to market.

To all of you we offer our heartfelt thanks and look forward to working with you in 2019 and beyond.

About AMS

[Aqua Metrology Systems Ltd.](#) (AMS) believes real-time water quality analysis and remediation are essential to environmental protection. AMS is a leader in the prediction, control and treatment of disinfection byproducts (i.e., THMs) and trace metals, across municipal and industrial sectors. AMS's online analytical instrumentation provides accurate and reliable data on water quality contaminants through continuous monitoring. AMS's SafeGuard H2O™ is an intelligent water treatment system integrating real-time sensing with an innovative approach for removing trace metals.

Aqua Metrology Systems US

1225 E. Arques Avenue
Sunnyvale, CA 94085
United States

www.aquametrologysystems.com

CONTACT

Rick Bacon
+1 617 543 6522

rbacon@aquametrologysystems.com

