Press Advisory

Bentley Systems to Discuss Digital Twin Technology for Water and Wastewater Infrastructure Resilience at AQUATECH Amsterdam

AQUATECH 2019
Booth – 12.311 SWAN Pavilion
5-8 November 2019

RAI Amsterdam
Europaplein 24
1078 GZ Amsterdam
The Netherlands

Bentley Systems will present its latest solutions for water, wastewater, and stormwater networks, treatment plants, and infrastructure resilience at AQUATECH in Amsterdam, The Netherlands. Discover how Bentley's digital twin solutions help optimize planning through operations of utility networks, helping improve readiness and infrastructure resilience.

Visit us at Booth 12.311 (SWAN Pavilion) throughout the conference for demonstrations and discussions regarding the following topics:

- OpenFlows™ WaterOPS™— A complete predictive modeling solution for real-time water network operations, maintenance, and forecasting, OpenFlows WaterOPS delivers key advancements for operating a safe, sustainable water supply and distribution system. Extending the capabilities of supervisory control and data acquisition (SCADA) with a calibrated hydraulic model, the application computes live network conditions helping users achieve target optimization for events associated with a range of conditions. OpenFlows WaterOPS can continually asses network performance, offering predictive insights that span from normal operation to pump outage, fire, leakage, pipe failures, and water quality and demand.

- OpenFlows™ SewerOPS™—By combining hydraulic model results with live SCADA and telemetry data, OpenFlows SewerOPS provides utilities real-time operational and optioneering intelligence for wastewater networks. Users can deploy live simulations to optimize existing and forecasted collection performance, or develop smart response strategies for critical events such as overflows, blockages, and network power outages.

With OpenFlows SewerOPS, operational departments can prepare for inclement weather. Be ready when storm events exceed the capacity of the collection system by using integrated OpenFlows FLOOD models to calculate the extent of sewer overflows.

- **Flood Resilience Digital Twin**—To assess, prepare for, and prevent flooding events, OpenFlows FLOOD provides high-quality modeling for flood risk assessment and efficient design of flood risk mitigation measures. Integrated with other Bentley solutions to create a flood resilience digital twin, users get accurate and reliable flood risk analysis data for urban, riverine, and coastal systems. OpenFlows FLOOD offers users actionable insights to minimize negative impacts and rapidly recover from flood events.

Demonstration

SYNCHRO 4D is a platform for construction scheduling and project management. 4D scheduling improves the safety, reliability, predictability and quality of complex construction projects. It saves money by avoiding rework and identifying schedule problems in advance. The **SYNCHRO XR** app for Microsoft HoloLens brings 4D into mixed reality to review planned work or track progress on-site.

4D digital construction in mixed reality – SYNCHRO XR for HoloLens demo
Where: Aquatech Innovation Forum – Demo area
When: Monday 4th November 2019

Scheduled presentation

Slavco Velickov, Regional Director, Bentley Systems

Title: *Digital Twins and Artificial Intelligence for Smart Water Infrastructure: Practical Examples*
Where: AquaStage
Language: English
When: Thursday, 7 November 2019 – 11:55am

Interviews

The following Bentley colleagues are available for interviews by appointment:

- **Slavco Velickov,** Regional Director
  Thursday 7 November

Contact Information:

To schedule an interview, or for additional details about the event, please contact marion.cail@bentley.com.

Press Materials

Case Studies

SewerGEMS Optimizes AEGEA's Sewerage Network Expansion in Lakes Region

Enorsul Saneamento Optimizes Olinda's Water Distribution System, Reducing Water Losses

Hidroing d.o.o. Reduces Water Loss for Croatian Water Supply Network

WSSC Achieves Over 60% Reduction in Hydraulic Plan Review for Water and Wastewater Systems

Hyundai Heavy Industries Optimizes Shuqaiq Steam Power Plant Drainage Network Design

Minconsult Proposes Optimal Asset Improvement Program for Water Network System

Roy Hill Iron Ore Optimizes Water Infrastructure Design and Operations for AUD 10 Billion Mining Facility

Moving Toward a Proactive Paradigm Supported by Accurate and Complex Integrated Modeling

Oporto Water Utility Develops Technology Platform for Integrated Management of Urban Water Cycle

Industry Showcases

The digital utility: Exposing dark data within our buried infrastructure

Foresight Reduces Risk, Boosts Resilience, Identifies Opportunity

The Water Project Showcase

White Papers

Hydraulic Modeling For Esri© ArcGIS Users

Digital Engineering Models Enable Comprehensive Lifecycle Information Management for Water and Wastewater Treatment Plants

About Bentley Systems:

Bentley Systems is a global leader in providing engineers, architects, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for advancing the

design, construction, and operations of infrastructure. Founded in 1984, Bentley has more than 3,500 colleagues in over 50 countries and is on track to surpass an annual revenue run rate of $700 million during 2018. Since 2012, Bentley has invested more than $1 billion in research, development, and acquisitions. www.bentley.com