



Water, Sewer and Stormwater Infrastructure Seminar

6-7 June 2018

Craiova, Hotel Sydney

AGENDA

Digitalization of Utilities networks and infrastructures	
Day 1 – Wednesday, 6 th of June	
08:30 – 09:00	Registration & Coffee
09:00 – 09:15	Welcome and opening Marius Catana - Bentley Technical Sales Consultant - INAS S.A. Gabriela Catana - Senior Sales Consultant – INAS S.A.
09:15 – 10:00	Going Digital: general water, sewer and stormwater industry trends Slavco Velickov – Global Water Industry Sales Director – Bentley Systems Ruth Clarke – Senior Water Industry Sales Executive, Europe - Bentley Systems Miroslav Matas – Specialist Consultant • Utilities and Mapping - Bentley Systems Tomasz Grochowski – CEO • Stormwater solutions – RetencjPL Wojciech Falkowski – CEO • Stormwater and Water Treatment Solutions- Ecol-Unicon
10:00 – 13:00	Session 1 Establishing GIS asset registry of water, sewer and stormwater network infrastructure using Bentley Map and Open Utilities <ul style="list-style-type: none"> - Collecting different CAD, GIS and engineering data in order to prepare accurate representation (asset registry of various types of multi utilities networks) - GIS workflows and data analysis (tracing, isolation, water loss), export to hydraulic analysis tools WaterGEMS & SewerGEMS. Integration of GIS and models.
13:00 – 14:00	Lunch break
14:00 – 16:00	Session 2 Integrating GIS and hydraulic modelling for different project workflows in order to improve efficiency (water loss, energy efficiency, network design, Scada connect etc). Featuring WaterGEMS, SewerGEMS, Hammer and ScadaConnect / Simulator <ul style="list-style-type: none"> - Water loss and leakage detection. Pressure management. Optimizing pumping schedules and energy efficiency. Planning cost-effective renewals of pipes. - Connecting to Scada – telemetry data, real-time modeling and decision support, emergency response.
16:00 – 16:15	Coffee Break
16:15 – 17:30	Session 3 Overview of Bentley Select Connect services supporting collaborative project workflows, learning and project delivery. Featuring ProjectWise online, Connect Client & Advisor <ul style="list-style-type: none"> - Connected users in connected project collaborative environment. Use of online training environment, project and data sharing in order enhance project delivery.
19:00	Dinner



Design, analysis and digital delivery of water, sewer and stormwater projects	
Day 2 – Thursday, 7 th of June	
09:00 – 9:30	Recap from day 1 and overview of days 2 learning objectives
9.30 – 12:00	<p>Session 1 From 2D to 3D digital models of utilities – introducing BIM approach. Featuring SUDA (sub-surface utility engineering design and analysis) tools integrated with WaterGEMS and SewerGEMS</p> <ul style="list-style-type: none"> - Building Information Modeling (BIM) is becoming mainstream in delivering projects. We will demonstrate how BIM can improve project workflows not only in the planning and design phases, but also in operation and maintenance (asset management) phases. - Working in 3D environment to implement sub-surface utilities, importing utilities models, performing clash detection, long section profiling, corridor analysis, performing changes and direct hydraulic analysis from one integrated environment. - Delivering BIM-ready information models. Viewing these models with Navigator. - Demonstrating mobile workflows, taking the models to the field to enhance operation and maintenance, collecting data from the field.
12:00 – 13:00	Lunch break
13:00 – 16:00	<p>Session 2 From rainfall to models: how to improve Stormwater networks, analyse risks of floods and implement flood risk mitigation measures. Featuring RainBrain, SewerGEMS, Mohid Studio and Action server</p> <ul style="list-style-type: none"> - Rainfall information analysis. Getting accurate rainfall data; Importing data into SewerGEMS / CivilStorm to perform capacity checks, design and re-design stormwater and sewer systems. - Sharing experience from Polish water industry. - Carry out 1D / 2D flood analysis in urban environments. - Identify flood risk areas and use innovative retention equipment and solutions to mitigate flood risks. - Presentation of intelligent stormwater retention systems. - Implement real-time flood forecasting and warning systems.
16:00 – 16:15	Coffee Break
16:15 – 17:00	<p>Round-up. Questions & answers session. Interactive session with discussions, revisit certain products and solutions, demonstrate additional products as needed. Participants will receive full evaluation version of the software (period of time), training materials and electronic books.</p>
19:00	Visit INAS Company, Park Nicolae Romanescu, Craiova City Center and Dinner