

Time	Topic	Speaker
1.30-2.00pm	<i>Registration, Tea & Coffee and Industry Networking</i>	
2.00-2.05pm	<i>Welcome and Event Overview</i>	Dr Uma Umakhanthan, Director Water SEAPAC, Bentley Systems
2.05-2.30pm	<i>The Key Challenges & Opportunities facing the Malaysian Water Industry in 2014</i> <i>During this presentation the Malaysian Water association will outline some of the key issues facing the water industry in Malaysia in 2014/2015 as well as outlining some of the main opportunities they see for the future of the industry.</i>	Mr. Lee Koon Yew, Group Executive Director, Malaysian Water Association
2.30-3.00pm	<i>An Integrated Software Solution for Water, Wastewater, and Stormwater Systems</i> <i>This presentation will outline how Bentley's fully integrated water, wastewater, and stormwater solution provides you with an end-to-end range of functionality, addressing the needs of the owner-operators, engineering contractors, and consultants who contribute to the water infrastructure lifecycle. It will showcase how the Bentley solution has powerful capabilities in mapping, engineering content management, hydraulic simulation and analysis, design and construction documentation, field workflows, and operations and maintenance and how these solutions enable cost-saving and benefits across the infrastructure asset's lifecycle. You will also learn how this solution can help solve capacity and planning issues.</i>	Tony Andrews , Global Solutions Executive Water, Bentley Systems
3.00-3.30pm	<i>Application of the Second Edition of the Urban Stormwater Management Manual (MSMA2) for the Drainage Industry in Malaysia</i> <i>In the middle of 2012, the Department of Irrigation and Drainage has released MSMA2, eleven years after the publication of the first edition. The new MSMA2 publication is not just a simple update, but a complete overhaul of the original document with changes in many areas.</i> <i>Based on research comparing the changes between the first and second editions of MSMA, it was found there are significant changes in the magnitudes of key design parameters including: storm intensities, design peak discharges, and the storage volumes of On-Site Detention (OSD), detention basins and sediment basins, depending on locations. Because of this, many engineers are still not familiar with MSMA2. This presentation will outline a computer software developed to help engineers in their design using MSMA2 known as the MSMAware-Civilstorm.</i>	Ir. Dr. Quek Keng Hong, Managing Director, MSMAware Sdn Bhd. <i>Ir. Dr. Quek Keng Hong has a PhD and a Master's degree in water resources from the University of NSW, Australia.</i> <i>He is a consulting engineer by practice and specializes in the field of urban drainage design and hydrology. He has conducted many training workshops and seminars on MSMA since 2000, and is the developer of MSMAware- a software designed specifically for MSMA. Dr. Quek has nearly 30 years of post-graduate industry experience and has published more than 20 papers in his field of specialization.</i>
3.30-3.40pm	<i>Tea Break</i>	



<p>3.40-4.10pm</p>	<p><i>Effectiveness of a Parallel Effort of GIS Data Collection and Hydraulic Model Analysis in Reducing Non Revenue Water (NRW)</i> <i>We have always believed that GIS data acquisition is a separate and independent effort from hydraulic analysis. Priority is often focused towards completing GIS data acquisition for a much wider area before execution of hydraulic analysis efforts. A pilot study was conducted in Malaysia to evaluate the effectiveness of hydraulic modelling when performed in parallel with GIS data acquisition. We will be sharing these experiences and will share our findings on this parallel Hydraulic Model and GIS development approach.</i></p>	<p>Marcus Chang, Water Industry Consultant, Bentley Systems</p>
<p>4.10-4.30pm</p>	<p><i>Streamlined Network Design and Management of Water Infrastructure with Bentley Utilities Designer</i> <i>This presentation will showcase Bentley Utilities Designer (BUD), a software product which provides a cost-effective and efficient solution for maintaining and administering water engineering design, installation, and mapping operations. BUD includes intelligent CAD-based design tools that accelerate layout and an automatic, compatible unit assignment which enables dynamic, real-time cost estimates which provide immediate feedback on each design decision, allowing designs to be quickly refined. The system also includes a fully configurable workflow engine which enables work requests and designs to be managed in stand-alone mode or through seamless integration with a variety of enterprise WMSs for accelerated projects.</i></p>	<p>Ahmad Firdaus Abdullah, Application Engineer, Bentley Systems</p>
<p>4.30-4.45pm</p>	<p><i>Bentley Geospatial Server: A Federated Approach to Managing Spatial and Non-Spatial Information</i> <i>Water utility owner operators are often dealing with hydraulic models, legacy information, GIS, hundreds of drawings etc. in which the information is presented in structured or unstructured form. Bentley Geospatial Server allows geospatial searches of maps, drawings, and documents in one repository. Workflow, reference file, and workspace management ensure continuity and standards compliance. Document attributes are updated in one program and secure check-in and check-out minimizes lost work and prevents accidental file deletion. Access permission management and audit trails improve safety. Information is managed through a unique approach that relies on indexing rather than conversion of information to a common format. This allows information to remain in its original form where it can be found, viewed, and edited via your favourite tools launched directly from the Bentley Geospatial Server interface.</i></p>	<p>Beh BoonHeng, Technical Manager, Bentley Systems</p>
<p>4.45-5.05pm</p>	<p><i>Hydraulic Modelling, GIS and SCADA in Support of Operational Workflows -</i> <i>During this presentation Mr Andrews will provide an overview of how Bentley's water software products;</i></p> <ul style="list-style-type: none"> <i>• Support field operations – including flushing, and leak detection</i> <i>• Enable real time hydraulic modelling through SCADA integration</i> <i>• Mr Andrews will also demonstrate the importance of synchronizing the “as maintained” state of the water and wastewater network and the asset register</i> 	<p>Tony Andrews, Global Solutions Executive Water, Bentley Systems</p>



<p>5.05-5.25pm</p>	<p><i>Asset Performance Management and Pipe Renewal for the Water Industry</i> <i>Asset Performance Management (APM) has rapidly become a recognized business process and the industry best reliability practices provided within the Bentley APM, help Water Utilities to sustain their infrastructure assets and maximize their return on investment. Bentley's APM solution strengthens the asset management operations by instilling the principles and foundation of reliability in asset performance management as an everyday process in maintenance and operations. With the implementation of an APMS, condition data from multiple sources and devices can be captured and converted to intelligent decisions.</i></p> <p><i>The Pipe Renewal Planner functionality within WaterGEMS, for the analysis and design of water distribution networks is also part of the Bentley's overall APM solution. The Pipe Renewal Planner functionality is used to rank the worst-performing pipes in the network, helping owner-operators more effectively prioritize network upgrades. Benefits that result include improved asset planning, increased distribution capacity, and maximum returns on capital expenditures. Pipe Renewal Planner can also be used as part of Bentley's water loss software solution, reinforcing the infrastructure management portion of a proactive water loss strategy.</i></p> <p><i>Mr Marigliani's presentation will highlight the various ways that Bentley's APM solutions can improve APM through a range of strategies.</i></p>	<p>Robert Marigliani, Industry Solutions Director, Utilities, Bentley Systems</p>
<p>5.25-5.55pm</p>	<p><i>Event Summary, Drinks and Networking.</i></p>	<p>Dr Uma Umakhantan, Director Water SEAPAC, Bentley Systems</p>

