

Asian Perspectives on Water Loss Management and Carbon Reduction

Day 1-19 November 2024 (Tuesday)

Time	Taming Sari 1	Taming Sari 2
08:30-09:30	Registration	
09:30 - 09:40	Welcome Remarks by Mr. Gary Wyeth , Secretary, IWA Water Loss Specialist Group	
09:40 - 10:00	Opening Speech by YAB Dato' Sri Haji Fadillah Yusof , Deputy Prime Minister and Minister of Energy Transition and Water Transformation	
10:00-10:30	National Water Services Commission (SPAN) Keynote Address by YBhg. Dato' Ahmad Faizal bin Abdul Rahman , Chief Executive Officer Regulatory Framework of Effective NRW Management	
10:30-11:30	Morning Break and Exhibition Visit	
Track	Big Data and Analytics <i>Moderator: Hugh Chapman</i>	Leakage Management <i>Moderator: Edmund Riehle</i>
11:30-12:00	Oracle Matt Gleeson , VP of Energy Transition and Water Conservation, Oracle Energy and Water Slow the Flow: Digital Strategies to Reduce the Financial, Operational, and Customer Impacts of Water Loss	Gutermann AG Uri Gutermann , CEO Advancements in IoT and Artificial Intelligence, and the Convergence of Data for More Effective Leakage Management
12:00-12:30	Yokogawa Engineering Asia Puranut Wisutjindaporn (Pong) , Regional Business Development Manager, Water Industry Cost-Effective Digital Platform for Water Loss Management	Aqua Analytics Bryce Haesler , Project Team Lead The Use of Cellular-Connected Acoustic Loggers with Automated Correlation to Remotely Pinpoint Leaks in Smart Water Networks
12:30-13:00	Hulo Frank van der Hulst , CTO & Co-founder Research-Backed Approach to Enhancing Burst Detection Accuracy in Drinking Water Pipes Using Multiple Existing Sensor Data	F.A.S.T. GmbH - Groupe Claire Edmund Riehle , Sales Manager How Germany Achieves Good Leakage Rates
13:00-14:00	Lunch Break	

Conference Programme

Track	Smart Water Networks <i>Moderator: Keshvinder Singh</i>	NRW Reduction Programs <i>Moderator: Joe Lim</i>
14:00-14:30	Schneider Electric Keshvinder Singh , Consultant Smart Water Real Time Pressure Optimization in Water Supply Network - Maintaining Just Needed Pressure in the Network	Stantec, Taiwan Joe Lim , Director, Pipeline & Network Service Line Non-Revenue Water Reduction Program Highlights for 3 Cities in Taiwan
14:30-15:00	Maynilad Water Services Inc. Ryan Chico Revilla , NRW Officer, NRW Solutions and Services Enhancing Leak Localization in Water Distribution: Maynilad's Experience Using Pressure Differential Analysis for DMA Diagnostic	Wyeth Water Consultant Sdn. Bhd. Eva Lailatun Nisa , Engineer NRW Assessment in PDAM Surabaya
15:00-15:30	Crowder Consulting Tom Crowder , Director Targeting Water Loss Reduction More Effectively & Improving Leakage Detection Efficiency	Stantec, Taiwan Foo Sze Hui , Engineer AI Integration in Water Services: A Strategic Blueprint for Taipei Water Department
15:30-16:00	EFAS Technologies, Inc. James Valle , CEO Smart Leak Detection: Choosing the Right Technology Fit to Drive NRW Reduction for Water Utilities	Ranhill Technologies Sdn. Bhd. Nor Suhada Bt Hasan , Head of Technology Challenges in Addressing NRW in Malaysia
16:00-16:30	LACROIX Group, Singapore Mathieu Peretti , Asia Pacific Business Development Director Smart Water Networks: The Next Frontier in Water Efficiency, Resilience and Security	
16:30-18:00	Networking Hi Tea End of Conference - Day 1	

**Programme is subject to change*

Day 2-20 November 2024 (Wednesday)

Time	Taming Sari 1	Taming Sari 2
08:30-9:00	<p>Wyeth Water Consultants</p> <p>Gary Wyeth, Secretary, IWA Water Loss Specialist Group</p> <p>Importance of Reducing Carbon Emissions and How It Relates to Real Loss</p>	
09:00-10:00	<p>Panel Discussion</p> <p>What Needs to Change to Enable Effective NRW Management in Malaysia</p> <p>NRW in Malaysia has remained relatively constant over the past 20 years, despite investments from the Federal Government, State Governments and Private investors. The last series of Federal projects was aimed at establishing a baseline in NRW, enabling a second phase of projects to reduce NRW from these measured baseline levels. This discussion is aimed at determining whether anything has intrinsically changed in NRW Management over the past 20 years, what else needs to change to enable effective NRW reduction, and how low should Malaysia be aiming to reduce its NRW to.</p> <p>The Panel will include senior utility staff, Government representatives, regulators and NRW experts.</p> <p>Moderator:</p> <p>Gary Wyeth, Secretary, IWA Water Loss Specialist Group</p> <p>Panelists:</p> <p>Anuar Abdul Ghani, Chief Executive Officer, Ranhill SAJ</p> <p>Kelvin Siew, Head of NRW Department, Pengurusan Air Selangor Sdn. Bhd.</p> <p>Joe Lim, Director, Pipeline & Network Service Line, Stantec Taiwan</p> <p>Uri Gutermann, CEO, Gutermann AG</p>	
10:00-10:30	Morning Break	
Track	Customer Metering <i>Moderator: Richard Taylor</i>	Country Experiences <i>Moderator: Dwiki Riantara</i>
10:30-11:00	<p>Thomas Consultant</p> <p>Richard Taylor, Principal Engineer- Water</p> <p>Fresh Thinking on Private Water Tanks</p>	<p>Perumda Air Minum Tirta Mayang, Jambi City</p> <p>Dwiki Riantara, Managing Director</p> <p>Smart Water Monitoring System Using IoT Water Leak Detection Sensor: Jambi City Pilot Project</p>
11:00-11:30	<p>Premier Water Services Sdn. Bhd.</p> <p>Andy Ko Seng Yang, Sales Manager</p> <p>Customer Metering and Billing</p>	<p>Maynilad Water Services Inc.</p> <p>Julio Cesar Eniceo, North Quezon City Business Area NRW Partner</p> <p>Strategies and Outcomes in Maynilad's Non-Revenue Water Reduction: A Comprehensive Review</p>
11:30-12:00	<p>Deca Solutions Sdn. Bhd. </p> <p>IWA MWA Young Water Professionals Malaysia</p> <p>Nur Amira Murad, Special Projects Manager Non-Revenue Water</p> <p>Managing Non-Revenue Water in a Youth Perspective</p>	<p>Stantec Consulting Services Inc., Taiwan Branch</p> <p>Andrew Yu, Technical Lead</p> <p>Looking Back to Move Forward: Two Decades Journey of Addressing Water Loss in Taipei City</p>

Conference Programme

Track	Asset Management <i>Moderator: Gary Wyeth</i>	Advanced Leak Detection <i>Moderator: Tony Gwynne</i>
12:00-12:30	Ranhill SAJ Ts. Zaulkarnain bin Abd Manap , Head Division of Network & NRW Case Study on the Efficiency of Pipe Rehab Program 2018/2019	Ovarro Sdn. Bhd. Tony Gwynne , Leakage Solutions Sales Director Utilising Cloud Automation to Rapidly Locate Leaks in Water Networks
12:30-13:00	Terra15 Technologies Pty. Ltd. Albert Carmenate , Chief Geoscientist and Global Sales Manager City Scale Fiber Optic Leak Detection - Lessons Learned	HWM Global David Crotty , Head of International Sales - East Machine Learning and Leak Detection
13:00-14:00	Lunch Break	
Track	Asset Condition Assessment <i>Moderator: Mark Nicol</i>	Carbon Assessment and its Impact on Water Losses <i>Moderator: Tom Crowder</i>
14:00-14:30	Nicol Consulting Services Pte. Ltd. Mark Nicol , Director Utilising Pipe Condition Technologies to Assess Remaining Asset Life and Prioritising Pipe Replacement Works	National Water Services Commission (SPAN) Loga Sunthri Veeraiah , Senior Executive, ESG Unit of Strategic Planning Department GHG Emission Management of Water Services Industry with LCOS
14:30-15:00	Mueller Water Products, Inc. Iznul Muazim , APAC Sales Manager - Technologies Optimizing Pipe Renewal through Identification of Degraded Sections and Benefits of Formalized Condition Assessment Programs for Water Utilities	Excel Pipes Sdn. Bhd. Abolfazl Khalafi , Engineering Manager Sustainable Water Management: Reducing Non-Revenue Water and Carbon Footprint through Strategic Infrastructure Planning

Conference Programme

Track	GIS - Hydraulic Modeling <i>Moderator: Igor Dundovic</i>	NRW Management <i>Moderator: Mathieu Peretti</i>
15:00-15:30	Aqua Analytics Johnson Damian , Project Coordinator Why Spatial Reporting Matters: GIS-based Identification of Leaks in Water Distribution Networks	Solinas Integrity Moinak Banerjee , Cofounder & CTO Robotic Leak Detection and Conditional Assessment of Small Diameter Pipelines
15:30-16:00	HIDROMODEL Igor Dundović , Independent Water Specialist NRW Advisor Virtual DMA and Hydraulic Model as Main Tools for Starting Water Loss Project	Maynilad Water Services Inc. Rafaelle Posadas , Head, NRW Systems Management Enhancing Leak Detection Prioritization with Artificial Intelligence (AI): Maynilad's Experience in Using Artificial Intelligence for District Metered Area Diagnostics
16:00-16:30	PDAM Surya Sembada Kota Surabaya Bagyo Gunawan , Manager of Customer Connection Compliance Nurlillah Satria Pratama , Manager of Water Consumption Management Optimizing Leak Correlator Device for Creating Potential Leak Database Based on ESRI GIS to Reduce NRW in Surabaya City Indonesia	Siemens Malaysia Sdn. Bhd. Ir. Johnson Tan , Head of Sales, Digital Industries Division Borja Arzac , Technical Sales Director Effective Leak Detection Through Virtual DMAs and Smart Monitoring: Real-World Applications
16:30-17:00	Tea Break	
17:00	End of Conference - Day 2	

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Smart Approaches to Addressing Water Leakage and Carbon Emissions

Day 3-21 November 2024 (Thursday)

Time	Program
08:00-08:45	Registration
08:45-09:00	Welcome Address and Introduction
09:00-10:00	Carbon Intensity and How it Affects Management of Carbon Emissions Gary Wyeth , Secretary, IWA Water Loss Specialist Group
10:00-11:00	The Benefits of Remote Monitoring in Reducing NRW and Carbon Emissions Mark Nicol , Director, Nicol Consulting Services Pte. Ltd.
11:00-11:10	10 Minutes Break
11:10 - 12:10	Navigating Your Next Smart Metering Step Thomas Allen , Head of Digital Water, RSK Digital Water
12:10-13:10	Enlightenment by Leak Detecting Smart Meters Marcus Chang , Sales Director APAC & Country Manager Malaysia, Kamstrup
13:10-14:00	Lunch Break
14:00-15:00	Making Consumptions Dynamic & the Water Balance Smarter Tom Crowder , Director, Crowder Consulting Gillian Sowden , Director, Crowder Consulting
15:00-16:00	Best Practices in Water Loss Management - For Improved Visibility and Reduced NRW Keshvinder Singh , Consultant Smart Water, Schneider Electric
16:00-16:10	10 Minutes Break
16:10 - 17:10	Integrated Solutions for Sustainable Water Loss Reduction: Real-Time Leak Detection and Prevention with Techimex & HULO (a Dutch Collaboration) Frank van der Hulst , Co-founder & Chief Technology Office, HULO
17:10-17:30	Q&A Session
17:30	End of Workshop - Day 3

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