

10th WaterLossAsia 2026

20-22 OCT
2026

World Trade Centre
Kuala Lumpur

www.waterlossasia.com

BROCHURE



Conference



Workshop



Exhibition



Networking



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**Securing Asia's Water Future:
Innovating for Reduced Water Loss and Non-Revenue Water**

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Driving Asian Carbon Reduction Through Water Loss Management

Every drop of treated water lost to network leakage carries a hidden carbon penalty. Returning for its highly anticipated biennial assembly, Water Loss Asia 2026 establishes the definitive operational arena where utility directors, federal regulators, and engineering authorities dismantle the traditional silos separating infrastructure efficiency from national decarbonization targets.

Across Asia's rapidly expanding industrial corridors, the luxury of a margin for error has vanished. When a municipal network bleeds water, it squanders the massive electrical energy required to treat and pump it directly inflating the city's emissions profile. Managing non-revenue water (NRW) is no longer a localized maintenance headache; it is a critical lever for macroeconomic survival and net-zero alignment. This summit moves past generalized climate rhetoric to deliver the field-verified blueprints, hydraulic data, and localized engineering strategies required to secure Asia's complex utility landscapes.



WaterLoss Asia 2024 in Numbers

The recently concluded Water Loss Asia 2024 (WLA 2024), hosted at the Royale Chulan Hotel in Kuala Lumpur, brought together a diverse assembly of over 415 international delegates, experts, policymakers, and industry leaders from 21 countries, including Malaysia, Australia, the United Kingdom, Thailand, and Singapore. Themed “Asian Perspectives on Water Loss Management and Carbon Reduction,” this biennial event highlighted the urgent need to tackle water loss and mitigate carbon emissions across Asia—an increasingly critical agenda in light of Malaysia’s estimated RM2 billion (USD0.44 billion) annual loss due to non-revenue water (NRW).

Complementing the conference, the Water Loss Asia 2024 Exhibition attracted an impressive 4,175 trade visitors, providing a vibrant platform for technology providers, solution innovators, utilities, and industry stakeholders to showcase cutting-edge products, exchange knowledge, and foster strategic collaborations that support sustainable water management across the region.

4,175

Visitors

415

Delegates

53

Speakers

(local and international)

21

Countries

Exhibit Profile

- Billing Systems
- Data Management Systems
- District Metering Systems
- Education & Training
- Flow Meters
- Intelligent Pumping Systems
- Integrated Information Management Systems
- IR 4.0 (Industrial IoT Networks, AI, Big Data, Robotics and Automation)

01

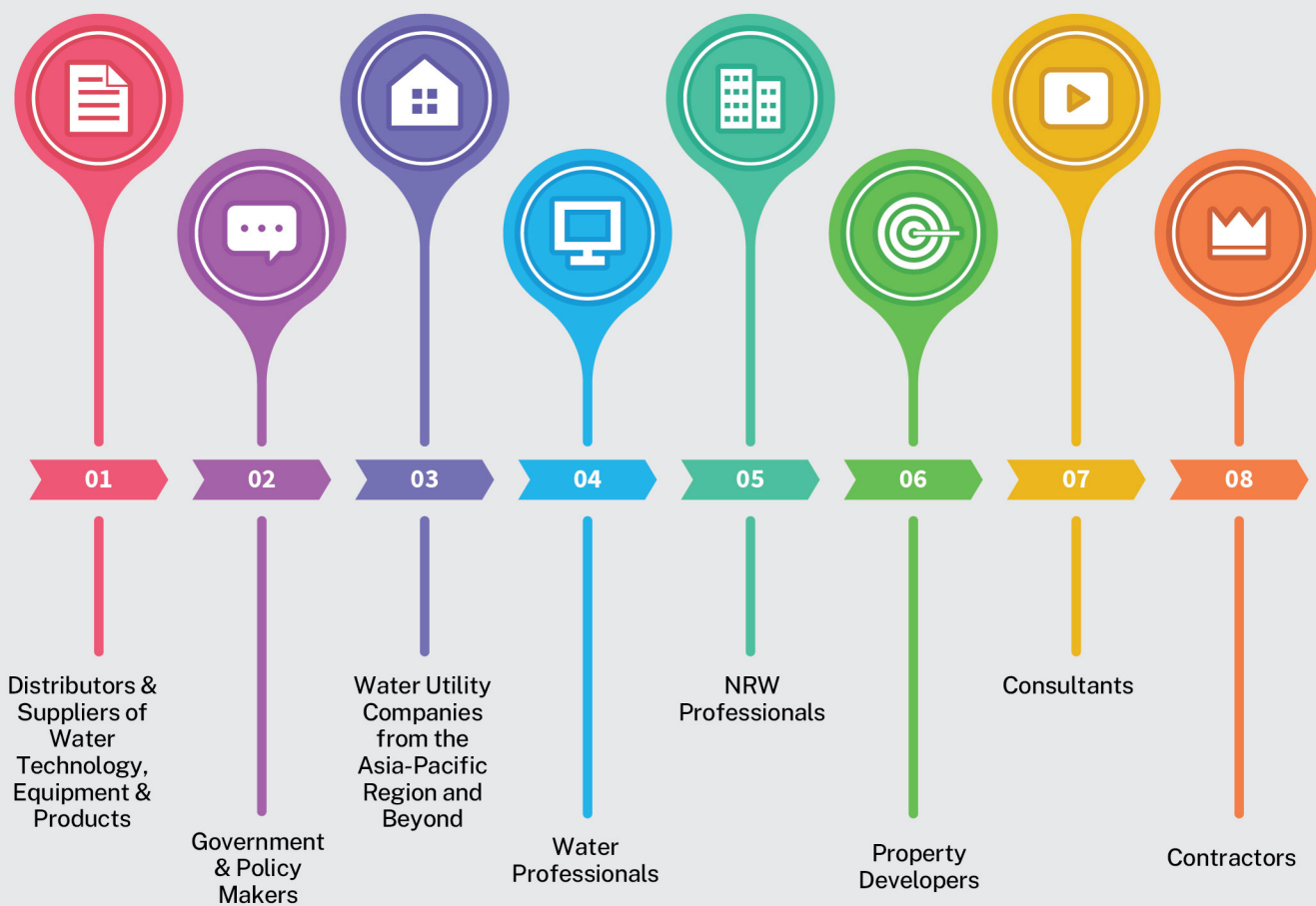
- Leakage Detection and Control Technologies
- Modelling Tools & Solutions (SCADA, GIS, Hydraulic Modelling Systems, etc.)
- Monitoring and Control Systems
- Network Data Management Systems
- Network Rehabilitation Solutions
- Noise Loggers
- NRW Consultants
- Pipe Rehabilitation and Pipe Repair Technologies

02

- Pipeline and Asset Management Systems
- Pipes, Pumps and Valves
- Pressure Control and Management Systems
- Real Time Information Systems
- Trenchless Technology
- Water Distribution Network Analysis Systems
- Water Meters
- Water Utility Management Companies

03

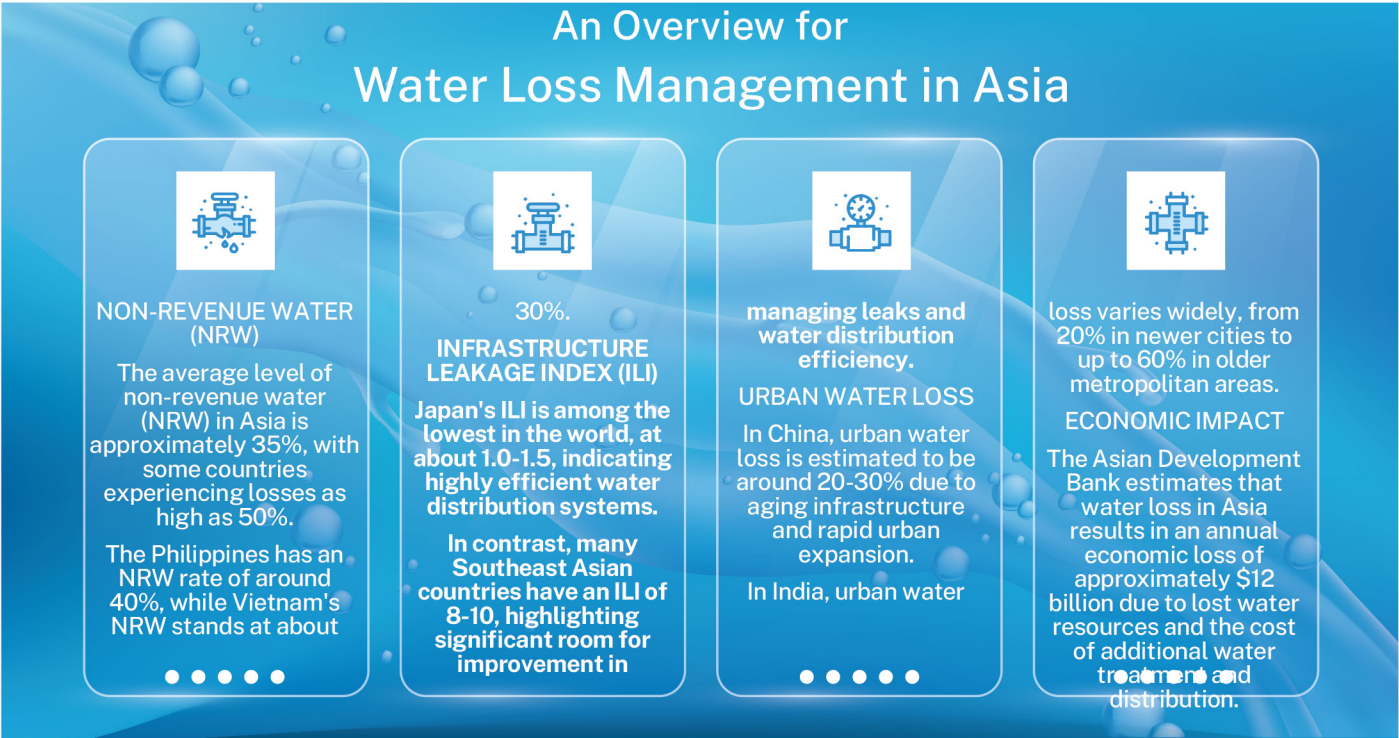
Visitors Profile



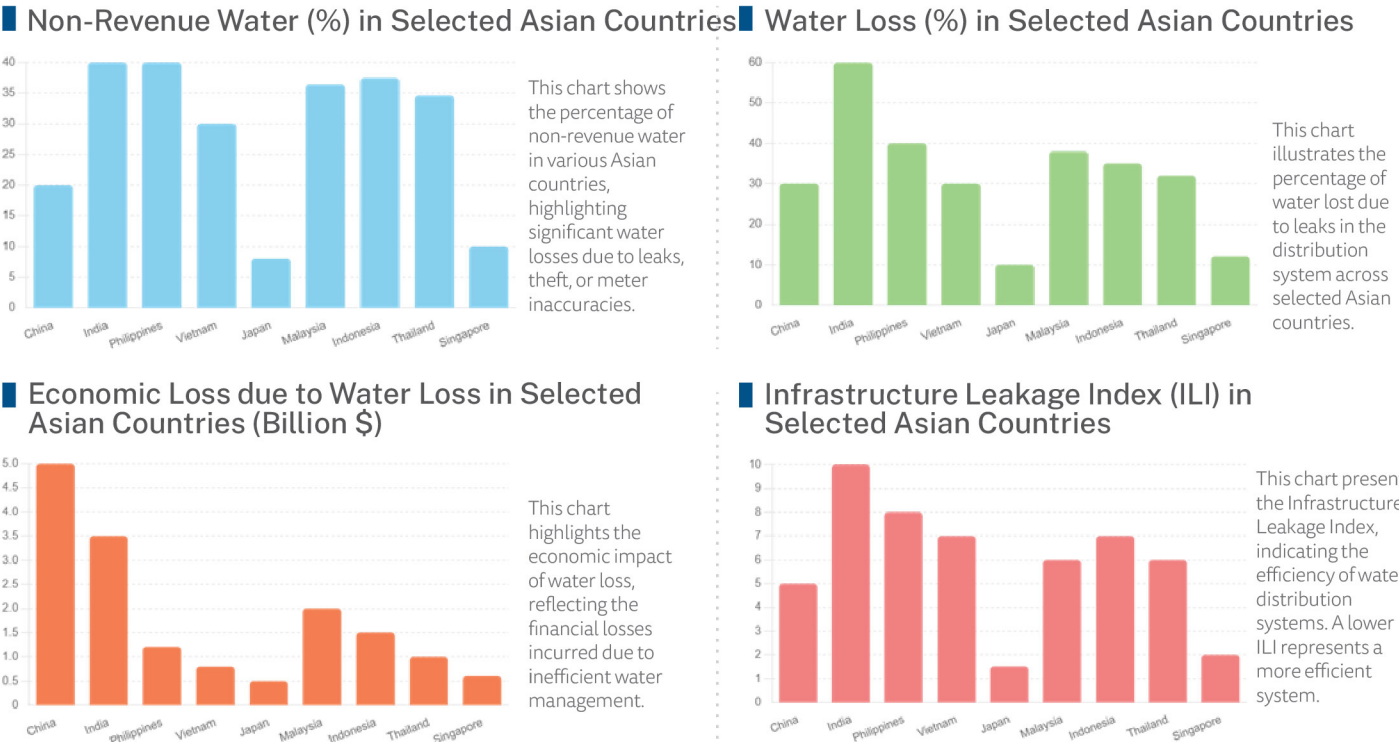
Infrastructure Crisis & Decarbonization Mandates in the Asian Water Sector

The environmental and economic pressures converging on Asian municipalities demand an immediate operational overhaul. Accelerated urban migration and intensifying climate volatility are exposing deep structural vulnerabilities within public water distribution systems. At the same time, mounting carbon emissions continue to accelerate global warming and trigger severe environmental degradation across the region.

To counter these compounding crises, Asian nations are aggressively restructuring their utility frameworks. By integrating time-tested engineering practices with advanced, data-driven innovations, operators are moving past legacy reactive maintenance models. This strategic shift turns localized water conservation into a powerful, scalable tool for regional carbon reduction and long-term climate resilience.



The charts below provide a comprehensive view of the water loss management challenges and economic impacts in selected Asian countries during 2023, emphasizing the importance of addressing non-revenue water issues for sustainable water management.



Source: Asian Development Bank, IWA, national utility reports, and industry publications. Otherwise sponsors and utility executives may challenge the figures.

Water Loss Management and Carbon Reduction in Asia

The 2026 Operational Reality Across Asia

Across the Asian utility landscape, a critical structural shift is formalizing: public authorities are no longer evaluating network leakage as an isolated maintenance variable, but as a direct driver of municipal grid strain and avoidable carbon output. The region accounts for a significant share of global energy demand. As national environmental accounting frameworks and carbon data tracking tighten, the mandate has moved decisively toward climate-smart, low-emission infrastructure. Asian countries are making significant strides in this arena by integrating non-revenue water (NRW) management directly into national grid stabilization policies effectively transforming standard hydraulic rehabilitation into a core mechanism for meeting national net-zero targets.

Energy Savings from Reducing Water Loss

Reducing water loss leads to significant energy savings, as less energy is required for pumping and treating water. For example, it is estimated that every cubic meter of water saved can reduce energy consumption by up to 1.5 kWh.

In India, addressing water loss in urban areas could reduce energy consumption by up to 15%, translating into significant reductions in carbon emissions.

Carbon Emissions from Water Supply and Treatment

Water supply and wastewater treatment account for approximately 2–4% of global greenhouse gas emissions, with higher rates in regions with inefficient systems.

In China, it is estimated that improving the efficiency of water supply systems could reduce carbon emissions by up to 30 million metric tons annually.

Impact of Water Recycling and Reuse

Implementing water recycling and reuse systems reduces the need for freshwater extraction and treatment, thereby lowering energy use and associated carbon emissions. Singapore's NEWater initiative, for example, saves an estimated 32,000 metric tons of CO2 annually.

Desalination and Carbon Footprint

Desalination is energy-intensive, contributing to higher carbon emissions. However, improving desalination efficiency and integrating renewable energy sources can mitigate these impacts. Saudi Arabia and the UAE are exploring solar-powered desalination plants to reduce the carbon footprint.

Energy Efficiency in Water Infrastructure

Upgrading pumps, motors, and other infrastructure components in water distribution systems can lead to significant energy savings. In Japan, such upgrades have resulted in a 20% reduction in energy consumption for water supply, leading to substantial carbon emission reductions.

Carbon Reduction Potential

The Asian Development Bank estimates that addressing water loss and improving water management practices across Asia could lead to a reduction of up to 50 million metric tons of CO2 annually.

Asian countries are making significant strides in managing water loss and reducing carbon emissions through innovative technologies, strategic policies, and public engagement. Collaboration among nations, along with international support, will be crucial in overcoming these environmental challenges and ensuring a sustainable future for the region.

Conference & Workshop

Our comprehensive program includes keynote presentations from industry leaders, in-depth conference tracks, and hands-on workshops focusing on advanced leak detection, smart water management systems, non-revenue water (NRW) reduction strategies, and the latest innovations in carbon accounting and assessment related to water management. Join us to gain insights, share knowledge, and network with experts and peers committed to creating sustainable water solutions for the future.



Early Bird Discount !

10% valid until 30 July 2026

Tracks

- 01

Smart Digital Customer Metering

Beyond the Invoice: Leveraging Advanced Metering Infrastructure (AMI) for Demand Insights
- 02

AI Management of System Pressures

AI-Driven Pressure Management for Network
- 03

Permanent Leak Detection Solutions

Continuous Surveillance: Deploying Fixed Sensor Arrays for Real-Time Leak Localization
- 04

NRW Software solutions utilising AI to target water loss control

Algorithmic Loss Control: Utilizing AI and Predictive Software to Target Hidden NRW
- 05

Network twins improving operational management

Pressure Optimization: Managing Hydraulic Transients to Prevent Pipe Fatigue
- 06

Pressure Management

Smart Pressure Control Strategies for Sustainable Water Distribution

Delegate Registration Fees

Call for Papers

30 JULY

Abstract Submission Deadline

12 AUG

Author's Notification

15 SEPT

Powerpoint Submission

20-22 OCT

Event
20-21 OCT (Conference)
22 OCT (Workshop)

Abstract Submission

Commercial Alignment & Sponsorship Portfolios

Sponsorship & Branding Packages

Position your organization at the centre of the region's infrastructure procurement pipeline. Aligning your brand with Water Loss Asia 2026 provides uncompromised, direct access to the state utility directors, federal regulators, and municipal engineers holding the region's capital expenditure budgets.

Our structured commercial portfolios are designed to go beyond passive logo placement. Instead, they position your executive team as institutional authorities driving the technical frameworks, tender criteria, and technological benchmarks that will define the modern ASEAN water sector. Join us in driving the operational strategies that will shape the future of regional water management.



The Destination

Kuala Lumpur stands as one of Southeast Asia's primary economic and infrastructural powerhouses. Serving as the capital of Malaysia, the city represents a unique intersection of rapid modern industrialization and rich cultural heritage. Its highly developed urban landscape makes it the ideal backdrop for international executive summits, where regional policy decisions, public-private partnerships, and large-scale utility investments are finalized.

The Venue

The summit will be hosted at the World Trade Centre Kuala Lumpur (WTC KL), Malaysia's most prestigious and historic landmark exhibition venue.

Situated in the heart of the city's economic zone, WTC KL features world-class infrastructure built to accommodate large-scale international delegations. The venue seamlessly connects high-tech plenary theaters with expansive exhibition spaces, offering immediate walking access to rapid mass transit lines and premier business hotels. Located approximately 45 minutes from Kuala Lumpur International Airport (KLIA), it provides uncompromised convenience for incoming utility directors and global corporate boards.

For enquiries, please contact

PROTEMP EXHIBITIONS AND CONFERENCES SDN BHD (SSM No. 199901017179)



+603 6140 6666



+6012 826 0998



water@protempgroup.com



www.waterlossasia.com

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