



# Malaysia International Water Convention 2019

FORMERLY KNOWN AS WATER MALAYSIA



## ADVANCING INNOVATION EMBRACING TRANSFORMATION SECURING THE FUTURE

*Water Utilities and Water 4.0*



1 - 3 October 2019 • Malaysia International Trade and Exhibition Centre (MITEC) • Kuala Lumpur  
[www.miwc.tech](http://www.miwc.tech)

Concurrent Event

The 7<sup>th</sup>  
**WaterLoss Asia 2019**

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# TRANSFORMATION OF ASIA'S WATER UTILITIES AND WATER 4.0

The Malaysian Water Association (MWA) will be hosting and organising The Malaysia International Water Convention (MIWC) 2019 (formerly known as Water Malaysia Expo) from 1-3 October 2019 at the Malaysia International Trade Exhibition Centre (MITEC). The 7th Edition of Water Loss Asia will be held concurrently for the 3 days. The water and wastewater industries are facing many challenges today. Utilities have to do more with less. We are on the verge of great transformation. While it may be premature to claim water management's arrival in the digital age, we can herald the eventuality, chart the progress, and examine potential implications.

MIWC 2019 is designed to prepare industry professionals to be future-ready for embracing disruptions to transform the water sector to secure our future. Key to a successful, sustainable, and low-cost water and wastewater service relies on breaking down resistance to technological innovation and new ways of working. With this objective in view, MIWC 2019 will focus on advancing innovation and embracing transformation for the water utilities and water 4.0 in the new era of Sustainable Development Goals (SDG) which is well underway with 17 aspirational goals, 169 targets and 232 indicators seeking nothing less than global transformation and securing the future. It will help the water utilities to discover cutting edge technologies and learn how digital disruptions affect Water Utilities value chain, and the best practices for transforming water utilities.

## EVENT PROGRAMMES



Water Leaders Forum



Water Regulators Forum



MIWC and WLA Conference



MIWC and WLA Exhibition



Workshops



Innovation Talks



Technical Tour



Gala Dinner



Water Industry Awards



Young Water Professionals Programme

## WATER LEADERS FORUM

The MIWC Water Leaders Forum is by invitation only. This forum will see a gathering of high-level water industry leaders and government regulators and policy makers to discuss on hot topics affecting the water industry. This year, MIWC Water Leaders Forum will focus on the role of smart water solutions to achieve water security for all, and examine the synergies and partnerships between public sector, private utilities/industry and civil societies to achieve smart water solutions that benefits all (no one should be left behind). Open discussion sessions will provide dialogues on respective local country digital water journey and the role of smart water innovations to achieve water security for all (SDG6). The forum will gain insights on South East Asia/Asia's extent of Information and Communications Technology (ICT) applications in water resources management, water supply and wastewater services; Challenges to implement and lessons learnt in implementing Smart Water Solutions, and opportunities for IoT and Water Industry Synergy for SDG 6 targets.

## WATER REGULATORS FORUM

The MIWC Water Regulators Forum is by invitation only. This forum will be attended by regulatory authorities and executives with regulatory and supervisory functions from the water authorities and industry in the region. The panel will be sharing insights on the role of governance and policies for enabling smart water solutions, utility transformation, and the way forward to achieve water security for all (SDG6). Open discussion sessions facilitates dialogue on water sector policies in general and in specific on IoT and how the policies affects the industry, the consumers and affordability, accessibility and secure water futures. This forum will share Insights and feedback on what policies worked and which did not and what strategy to adopt to engage public and industry support for effective governance in the age of digital water, SDG commitments and climate complexities

## A PLATFORM FOR PARTICIPATION

No single solution will achieve the circular and resilient goal. No one group holds all the answers. MIWC aims to be a platform to bring together the many voices who can play a part in securing progress.

### THE PUBLIC SECTOR

- Ministers and Political Leaders
- Governors and Mayors
- Senior Officers from City, Provincial, Central and National Governments

### THE PEOPLE SECTOR

- Academics and Researchers
- Young Water Professionals
- Associations and Societies
- International Organisations & Non-Governmental Organisations

### THE PRIVATE SECTOR

- Urban Water System professionals
- Drinking Water & Potable Reuse solutions
- Water Utility Management providers
- Data Analysts, Information Systems and Technology Professionals
- Engineering and Construction Professionals
- Water Management and Control Solution Providers
- Equipment & Measuring instrument Manufacturers
- Wastewater treatment & Construction Providers
- Benchmarking Water & Waste water Service

# ASIA'S WATER SCENARIO

Climate change has long been accepted as the major cause of water scarcity, but this is the first time that socioeconomic changes have been identified as the main driver of water scarcity. Water demand for agriculture, industry, and households will increase by 30-40% by 2050 compared to 2010. By the 2050s, water demand in Asia is projected to be larger than all the other continents of the world put together. As a result of socioeconomic development in Asia, industrial water demand will rise by at least 136% depending on the scenario, while municipal water demands will rise by a minimum of 176% and up to 245%.

Agriculture remains the largest user of water. Seasonal variations, such as extra irrigation in the dry season, further exacerbate the problem of water scarcity in Asia.

Not all regions will be equally affected, East and South Asia will see the largest growth in water demand by 2050, accounting for 80% of water use. Growing incomes, increased per capita water use, population growth, and urbanization, will particularly cause a rise in China, India, Indonesia, and Pakistan.

## THE MALAYSIAN WATER SCENARIO

Global warming is expected to reduce Malaysia's annual rainfall, further increasing the chance of water shortage if immediate steps are not taken. The Aqueduct Water Risk Atlas indicated certain areas in Johor, Kedah, Kelantan, Kuala Lumpur, Melaka, Negri Sembilan, Penang, Perak and Selangor will face water issues by 2020.

Water tariffs are based on customer type such as domestic (residential), commercial and industrial. Bulking up small users with heavy users in the same category stops water operators from increasing tariffs to control large users, as any increase will hurt small users.

About 35% of Malaysian piped water is lost through leaks, burst pipes, theft and poor metering. The delay in the restructuring of the water services industry is a contributing factor to high NRW levels. SPAN's target of 31 per cent of NRW by 2020 will not be achieved if the restructuring is not done.

Water operators should also upgrade all their water meters to improve water billing accuracy, particularly with large users. Recently, TNB installed digital meters for homes in Melaka which improved reading accuracy. The sudden spike in their electricity bills forced households to be more prudent in their electricity usage in a short span of time.

## WHY JOIN MIWC 2019?



### SOLUTIONS

Exchange solutions and best practices with water industries professionals at MIWC Conference



### TECHNOLOGY

Discover disruptive technologies & cutting-edge innovations at MIWC Exhibition



### RECOGNITION

Awards for exceptional water professionals be it in leadership, innovation or initiatives in the water sector



### LEADERSHIP INSIGHTS

Engage with international C-level executives at Water Leaders Forum & Regulators Forum (by invitation only)



### PRACTICAL EXPERIENCES

Experience the inner workings of Malaysian water projects in Technical tour.

## FACTS & FIGURES

10

### EVENTS IN ONE PLACE

MIWC Conference, Forums, MIWC Exhibition, YWP Programme, Awards Programme, Technical tour, Networking Events and many more.

Held Concurrently

**WLA**

WATERLOSS ASIA 2019

500

CONFERENCE DELEGATES AND OVER

**4500**

EXHIBITION VISITORS\*

MORE THAN

**50**

INTERNATIONAL SPEAKERS AND OVER 100 EXHIBITORS\*

\*Water Malaysia 2017 facts

## CORE FOCUS FOR THIS EVENT

DISRUPTION & TRANSFORMATION  
EFFICIENT, INNOVATIVE & SUSTAINABLE

TECHNOLOGIES

WATER 4.0

DIGITAL ADOPTION

INTELLIGENT WATER MANAGEMENT SYSTEMS

IOT

CYBER-PHYSICAL SYSTEM

BIG DATA

# MIWC 2019 EXHIBITION

The Malaysia International Water Convention (MIWC) Exhibition brings a comprehensive range of products and services and the latest cutting edge technologies of the entire value chain to new and growing markets. Reconnect with your existing customers and build new partnerships with customers from the region. Water Loss Asia 2019 is held alongside MIWC, which will bring an audience of more than 4,000 water professionals from 34 countries. The highlights for this year's MIWC are on Water utility transformation and Water 4.0 in Asia. It is a platform where top government officials, industry leaders, water experts, practitioners and enterprises converge to establish business and networking opportunities and leverage shared synergies in cost efficiency, productivity and R&D. Being one of the leading water tradeshows in Malaysia, buyers will undoubtedly be able to source for their water.

## EXHIBIT PROFILE

### Water Resource Management

Climate Change & Urbanization  
Flood Risk Management  
Drought Risk Management  
River Basin Planning  
River Restoration  
Irrigation & Drainage Systems  
Water Infrastructure  
Rainwater Harvesting  
Water Recycling

### Water

Large Scale Water Management  
Water and Wastewater Management  
Water Supply and Sanitation  
Urban Water System  
Drinking Water & Potable Reuse  
Water Utility Management  
Benchmarking Water & Wastewater Service  
Equipment & Measuring Instruments  
Non-Revenue Water  
Waste to Wealth  
Mapping & Modelling  
Smart Cities Solution

## SPACE & BOOTH RENTAL

### Bare Space

RM1,200 / USD340 per sq.m (min 18sq.m)

This package includes following:

Raw Space means floor space only and does not include any booth structure, construction, carpet, furniture, electrical fittings and all other forms of fittings. The exhibitor shall be responsible for his own stand design, construction, floor coverings and furnishings. Electrical fittings must be ordered from the official stand contractors.

- Space only, Exhibitor is responsible for design, construction & fittings.
- Visitor e-invitation

### Shell Scheme

RM1,300 / USD370 per sq.m (min 9sq.m)

This package includes following:

- Exhibition Space
- Fascia board with company name & booth number
- 1 no. of information counter
- 2 nos. of folding chairs
- 1 no. of 13amp power point
- Needle punch carpet
- 2 nos. of fluorescent lights
- 1 no. of wastepaper basket
- Visitor e-invitation

\* The above space & booth rental is subjected to 6% service tax.

## MIWC 2019 CONFERENCE



MIWC's focus on Water 4.0 will bring together scientists, engineers, governmental representatives, international aid agencies, technology innovators and utility companies from around the world to share the most relevant water-related topics and issues for discussion, and presents the latest products, innovations and solutions and technologies for the water industry.

This year, more than 500 delegates will congregate in the beautiful city of Kuala Lumpur, Malaysia, for a 3-day conference. Don't miss this important gathering. The conference will embrace a wide range of areas including cutting edge technologies and solutions.

## CALL FOR PAPERS

The organising committee of the Malaysia International Water Convention (MIWC 2019) Conference is pleased to announce a call for papers. This is your opportunity to present at Malaysia's premier water conference and trade exhibition. Visit MIWC 2019 website for abstract submission and information on submission guidelines. The closing date for paper submission is on 31st May 2019.

## CONFERENCE TOPICS

Theme: Advancing Innovation, Embracing Transformation, Securing the Future

- Integrated Water Resources Management
- River Management
- Water and Wastewater Management
- NRW Management
- Climate Change
- Disaster Risks Management
- Green Technologies
- Flood Management
- GIS & Mapping System
- Driving Innovations Within Regulatory Frameworks
- Financing Infrastructure for Utility of the Future
- IoT, Robotics, Artificial Intelligence within Utilities
- Is Water 4.0 The Future?

## ABSTRACT SUBMISSION GUIDELINES

- Deadline for all submission by 31st May 2019.
- All submitted abstracts will undergo Technical Committee's review.
- You will be notified via email of any acceptance or rejection of your abstract submission.
- Abstracts should be in English.
- Abstracts should be in PDF format to be uploaded to the online system.
- The text length should be from 250 to 500 words.

# TECHNICAL TOURS

\* Technical Tour Venue is subject to change

## PANTAI 2 REGIONAL SEWAGE TREATMENT PLANT (RSTP) KUALA LUMPUR

The construction of the Pantai 2 RSTP started in July 2011 and was completed in July 2015. Pantai 2 RSTP utilizes the Advanced Anaerobic-Anoxic-Oxic (A2O) process that is effective in removing nitrogen and phosphorus in the wastewater compared to the conventional treatment system. The plant is designed for Standard A effluent discharge quality as prescribed in the Environmental Quality (Sewage) Regulations 2009.

## LANGAT 2 WTP AND WATER RETICULATION

The Langat 2 Project is for the water treatment and distribution facilities for water transferred from the Pahang-Selangor Raw Water Transfer (PSRWT) Project for an ultimate nominal treated water output capacity of 2260 Mld.

## RIVER OF LIFE

ROL (River of Life) aims to transform the Klang River into a vibrant and livable water front with high economic value. This transformation is divided into three main components: River Cleaning, River master planning and beautification & River development.

# WATER INDUSTRY AWARDS



### Women Leadership Awards

The Women Leadership awards acknowledge and celebrate female leadership in the field of water. The award showcases an individual's excellence in leadership as demonstrated by outstanding initiatives, impact of work and inspiration to others.



### Water Innovation Awards

The Water Innovation Awards recognise and promote excellence and innovation in water management, research and technology. This award recognises that our shared challenges can be overcome through the development and implementation of creative water solutions.



### Young Water Professionals Awards

The MIWC Young Water Professionals Award is granted to exceptional water professionals under the age of 35 years who has demonstrated significant achievements in their career to date and who signify outstanding leadership potential, and the ability to play a large and influential role in the water industry in the future.



### Malaysian Water Association Awards

The award recognises the most important achievements in Malaysia water industry within several categories, and reward those initiatives in the water, wastewater and desalination sectors that are moving the industry forward through improved operating performance, innovative technology adoption and sustainable financial models.

### BOOK YOUR PRIME LOCATION

With MIWC's focused programme, you are assured of visitorship consisting of specialised water professionals and decision makers from Government and Water Utilities.

### BE A SPONSOR

Gain access to C-level water executives and trade visitors; boost your brand awareness, generate leads and secure partnerships.

### SUBMIT YOUR PAPER

Be a part of the action and present at MIWC 2019 Conference or WLA 2019 Conference, this is your opportunity to help shape the water future in Asia.

Visit our website for more updates on:

**YWP PROGRAMME**  
**GALA DINNER**  
**INNOVATION TALK**  
**WORKSHOPS\***

\*MIWC 2019 Workshops HRDF Claimable

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