

VIRTUAL CONFERENCE ON

WATER NETWORK MANAGEMENT APAC

EXPERIENCE, BEST PRACTICES, NEW TECHNOLOGIES & FUTURE STRATEGIES

April 29-30, 2021



25 per cent "Early Bird" discount ends on April 6, 2021

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MISSION

- The water sector has experienced increased penetration of information technology in network management practices in the past few years. Most countries in the Asia-Pacific (APAC) region have taken key steps to build new treatment capacity, reduce water losses, improve revenue collection, deploy advanced technologies and rehabilitate old pipelines.
- Quite a few water utilities have launched projects deploying advanced flow and pressure management systems, leak detection devices and asset management systems. Supervisory control and data acquisition systems, geographic information systems, satellite surveillance and remote sensors, etc. are also being deployed across the APAC region to monitor consumption levels, as well as distribution and treatment systems.
- There is increased emphasis on building smart water supply infrastructure with uninterrupted water supply, centralised operation and control, and recycling and reuse of wastewater. Smart water meter deployment has also increased significantly as an effective means of cutting down non-revenue water (NRW).
- Countries such as Singapore, the Philippines, Malaysia, Japan, Australia, India and Sri Lanka have engaged private entities to improve water supply management. This has resulted in some noteworthy improvements in operational performance, such as a reduction in water losses, expansion of the customer base, and improvement in billing and revenue collection mechanisms.
- Going forward, as most governments across the APAC region strive to improve infrastructure facilities in order to meet the increasing demand for water, better technologies and processes are likely to be developed. The process of adding capacity and improving efficiency through the adoption of new technology and best practices has to be accelerated. Moreover, a pragmatic approach is necessary for rationalising user charges. Greater private sector participation in the O&M of assets will be fundamental. There also needs to be greater emphasis on recycling wastewater.
- The mission of this conference is to examine the state of water network management in the APAC region, with a focus on strategies and solutions for minimising NRW and improving service delivery. The conference will also discuss noteworthy initiatives/best practices, highlight upcoming opportunities, and showcase the latest technologies.

TARGET AUDIENCE

The conference is expected to draw participation from executives, managers and decision-makers from:

- ❖ Water utilities
- ❖ Bulk water suppliers
- ❖ Water network operators
- ❖ Urban planning & development agencies
- ❖ Policymakers
- ❖ EPC contractors
- ❖ Technology providers
- ❖ Measurement, control and testing equipment manufacturers
- ❖ Instrumentation and monitoring solution providers
- ❖ Water meter manufacturers
- ❖ Pipeline construction firms
- ❖ O&M service providers
- ❖ Leak detection agencies
- ❖ Consulting firms
- ❖ Financial Institutions
- ❖ Multilateral agencies
- ❖ Steel and stainless-steel manufacturers
- ❖ Etc.

EMERGING TRENDS, KEY DEVELOPMENTS AND FUTURE OUTLOOK

- ❖ What are the recent trends and developments in water network management in the APAC region?
- ❖ What are the new and advanced technologies being adopted for efficient water network management?
- ❖ What are some of the noteworthy initiatives and best practices in this space?
- ❖ What are the emerging opportunities and the future outlook?

WATER UTILITIES' PERSPECTIVE: KEY INITIATIVES, FUTURE PLANS AND OPPORTUNITIES

- ❖ What are the specific initiatives being taken for water network management?
- ❖ What are the operational constraints faced by water utilities? How are they being addressed?
- ❖ What are the new technologies and digital solutions being deployed?
- ❖ What are the future plans and strategies for improving water network management? What are the upcoming opportunities?

FOCUS ON 24X7 WATER SUPPLY: EXPERIENCE, KEY LEARNINGS AND UPCOMING OPPORTUNITIES

- ❖ What are some of the noteworthy 24x7 water supply projects in the APAC region? What has been the implementation experience and what are the key challenges?
- ❖ What are the new and advanced technologies being deployed in this space?
- ❖ What are the future plans and opportunities?

PRIVATE SECTOR PARTICIPATION: EXPERIENCE SO FAR AND FUTURE POTENTIAL

- ❖ What has been the private sector experience in water network management?
- ❖ What are some of the successful PPP projects? What have been the key learnings and the experience so far?
- ❖ What are the key risks and challenges? What are the new opportunities and prospects for private players?

O&M AND ASSET MANAGEMENT PRACTICES

- ❖ What are the current O&M and asset management practices of key water utilities? What has been the experience so far?
- ❖ What are the new and emerging asset management-related technologies (artificial intelligence, blockchain, robotics, IoT, big data, etc.)?
- ❖ What are the future plans and requirements? What are the specific issues and challenges?

NRW REDUCTION AND REVENUE MANAGEMENT SYSTEMS

- ❖ What are the key strategies and measures being adopted for NRW reduction? What are the benefits of deploying a revenue management system?
- ❖ What have been the learnings and experience so far in the adoption of such systems?
- ❖ Are water utilities fully exploiting and using the data captured by these systems? What are the key issues and challenges?

MANAGING WATER PIPELINE INFRASTRUCTURE

- ❖ What is the current state of the water pipeline infrastructure in the APAC region?
- ❖ What are some of the noteworthy initiatives/projects being taken up for pipeline replacement and rehabilitation?
- ❖ What are the new technologies/solutions available for monitoring pipelines? What is the impact of these solutions on asset reliability, failure and maintenance?

RECYCLE AND REUSE INITIATIVES AND BEST PRACTICES

- ❖ What are the current practices for recycling and reusing wastewater in the APAC region?
- ❖ What are some of the noteworthy initiatives in this area? What are the smart solutions and technologies available for wastewater recycling?
- ❖ What are the upcoming projects and opportunities?
- ❖ What are the key issues and challenges?

TECHNOLOGY SHOWCASE

- ❖ LEAKAGE DETECTION TECHNOLOGIES
- ❖ SMART METERING AND BILLING SOLUTIONS
- ❖ ROLE OF AUTOMATION IN REMOTE MONITORING
- ❖ WATER TREATMENT TECHNOLOGIES

- What are some of the noteworthy initiatives/practices in this space? What has been the implementation experience?
- What are the new and advanced technologies being offered by vendors in this space?
- What is the future potential? What are the issues and challenges being faced?

ABOUT THE ORGANIZERS

The conference is being organised by **India Infrastructure Publishing**, the leading provider of information on the infrastructure sectors.

The company publishes **Southeast Asia Infrastructure** and **Indian Infrastructure**.

Southeast Asia Infrastructure magazine (www.southeastasiainfra.com) is a leading source of information on infrastructure development in Southeast Asia. It tracks key developments, analyses emerging trends, features industry players' perspectives, highlights key initiatives and profiles exemplary projects.

Indian Infrastructure magazine (<https://indiainfrastructure.com>) is targeted at the top decision-makers and financial managers in the infrastructure sectors. The sectors covered include power, telecom, roads and bridges, construction, oil and gas, ports and shipping, aviation, railways, urban infrastructure and infrastructure finance. The magazine provides news, information and analyses of the latest developments related to policy, projects and investments in these sectors in India. It is published monthly.

PREVIOUS PARTICIPANTS

The organisations that have participated in our previous conferences on “**Water Network Management**” include: **Afcons**, **AIUT Technologies**, **Aquatech**, **Auma**, **BWSSB**, **Bank of America**, **BASF**, **Bentley Systems**, **Black & Veatch**, **Bosch**, **Breivoll-Inspection Technologies**, **CDD**, **CPWD**, **Central Ground Water Board**, **CRI Pumps**, **CRISIL**, **CWC**, **DJB**, **DHI**, **DTK Hydronet**, **Electrosteel Castings**, **EPTISA**, **EVIO**, **Fair Flow**, **Forbes Marshall**, **Gannon Dunkerley**, **GE Water**, **GKW Consult GmbH**, **Grundfos Pumps**, **Heuristech Labs**, **Hitachi**, **HPD Consultants**, **Itron**, **Jain Irrigation**, **Kamstrup**, **Kishor Pumps**, **Kohler**, **KSB Pumps**, **L&T Construction**, **L&T Valves**, **Maski**, **McElroy**, **Nagpur Smart City**, **National Institute of Urban Affairs**, **National Mission for Clean Ganga**, **NCC**, **NDMC**, **NJS**, **NPCC**, **Solutions**, **Rex Polyextrusion**, **Royal Danish Embassy**, **Royal Haskoning**, **DHV**, **Schwing Stetter**, **Secure Meters**, **Sensus**, **Smart Energy Water**, **SMEC**, **SMS Envocare**, **SPML Infra**, **STUP Consultants**, **Swach Environment**, **Tata Communications**, **TCE**, **UK Trade & Investment**, **Unicon ZSK**, **Uniper Technologies**, **VA Tech**, **Wabag**, **VAG-Valves**, **VEGA**, **Vishvaraj Infrastructure**, **Voltas**, **Weir Minerals**, **WILO Mather & Platt Pumps**, **Wipro Water**, **World Bank**, **Xylem Analytics South Asia**, **ZENNER Aquamet**, etc.

Virtual Conference on

WATER NETWORK MANAGEMENT APAC

Experience, Best Practices, New Technologies & Future Strategies

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Registration Fee

	Price before April 6, 2021	Standard price
1 Logins	USD 188	USD 250
2-3 Logins	USD 300	USD 400
4-5 Logins	USD 413	USD 550
6-9 Logins	USD 525	USD 700
10-20 Logins	USD 638	USD 850

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- Registration will be confirmed on receipt of the payment.

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