



SINGAPORE INTERNATIONAL WATER WEEK

ONLINE



18 – 19 November 2020



9:00am – 6:30pm SGT (GMT +8)

Game-Changers in Water Innovation

19 November 2020, Thursday | 11.30am – 1.00pm SGT (GMT +8)

Co-organised with

IMAGINE H_2O / ASIA

About this webinar

The water sector continues to face increasing pressures, with existing systems being stressed due to climate change exacerbated by recent global events. There is a need to increase the sector's resilience and sustainability, with innovation and technology being a key enabler to provide solutions to these challenges.

The Singapore International Water Week (SIWW) is partnering with Imagine H2O Asia to feature 11 water tech startups reimagining a water-resilient future for Southeast Asia and the wider region. Hear from successful technopreneurs and witness game-changing technologies across a diverse range of deployment-ready solutions for industrial and municipal end-users.

Find out how these entrepreneurs can help you achieve more secure, resilient and sustainable water and wastewater systems.

Why you should attend

Learn about promising water solutions for your business or utility

Identify potential startup investment or partnership opportunities

Find out how you can further engage the water innovation community

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Programme

11.30am	Welcome Remarks by Singapore International Water Week
11.35am	Introduction of Imagine H2O Asia Nimesh Modak, Director, Imagine H2O Asia
11.43am	6 x Startup presentations Sensor & Diagnostics <ul style="list-style-type: none">Patrick Kiely, Chief Executive Officer, SENTRYLeela Krishna, Co-founder and Chief Business Officer, SpaceAge LabsDavid Sarphe, Chief Executive Officer, AquAffirm Water & Wastewater Treatment Reuse <ul style="list-style-type: none">Jun Ho Oh, Marketing Manager, ArunJohn Tracy, Vice-President of Sales & Marketing, Fluid Technology SolutionsAntony Prince, Founder & Chief Executive Officer, Memsift
12.20pm	Imagine H2O Hub: A virtual networking platform for investors, customers, and startups in the water sector
12.25pm	5 x Startup presentations Smart Network Management <ul style="list-style-type: none">Gokul Krishna Govindu, Founder, SmartTerraAsim Bhalerao, Founder and Nidhi Jain, Co-founder, Fluid Robotics Satellite Imagery & Analytics <ul style="list-style-type: none">Prateep Basu, Co-founder & Chief Executive Officer, SatSure Drinking Water <ul style="list-style-type: none">Bashir Ahmad, Chief Executive Officer, LiquinexIvan Tang, Co-founder & Chief Technology Officer, Mempure
12.55pm	Closing Remarks by Imagine H2O Asia
1.00pm	End of Webinar



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Speakers



NIMESH MODAK

Director
ImagineH2O Asia

Nimesh directs Imagine H2O Asia, the organization's Singapore hub and Southeast Asia accelerator. Since 2015, Nimesh has served as a startup advisor for Imagine H2O portfolio companies and led the organization's global program development. Prior to Imagine H2O, Nimesh worked with international development consulting firm, Nathan Associates Inc. (Singapore & Washington, DC) and more recently worked in strategy and operational roles with Danone's Sustainable Development Team (New York) and WaterHealth International (Accra). Nimesh holds a MBA from the Wharton School at the University of Pennsylvania and a MPA from Harvard Kennedy School of Government.



DAVID SARPHE

Chief Executive Officer
AquAffirm

Rapid, low-cost, easy-to-use enzyme strip-testing technology and digital monitoring platform for real-time detection and mapping of arsenic and fluoride contamination. Proprietary enzyme and biosensor validated through field testing in Bangladesh, and digital mapping platform validated through case studies conducted in Brazil.



JUN HO OH

Marketing Manager
Arun

Low energy, non-clogging microfiltration technology using lift force that requires smaller footprint and lower maintenance than competitors. Savings in management and operational costs by 85%, validated by 480m³/day pilot with additional deployments in the pipeline.



ASIM BHALERAO

Founder
Fluid Robotics

In-pipe robotic mapping and assessment tools to detect leaks, monitor wastewater networks and inform low-cost interventions to prevent pollution runoff. Mumbai pilot diverted 650+ MLD raw sewage from rivers, eliminated 6200+ hours of manual scavenging, and saved est. \$35M in municipal funds.



NIDHI JAIN

Co-founder
Fluid Robotics



JOHN TRACY

Vice-President of Sales & Marketing
Fluid Technology Solutions

Advanced osmosis technology (FO and OARO) to treat wastewater for ZLD and water reuse. 4 industrial projects to date, with 3 in China on mineral recovery, landfill leachate treatment, and ZLD.



BASHIR AHMAD

Chief Executive Officer
Liquinex

Compact suitcase water treatment system using ceramic UF and UV disinfection for mobile deployment, primarily in disaster zones or remote communities. 40 units sold to date, with 80% of those sold to disaster relief organisations.



IVAN TANG

Co-founder & Chief Technology Officer
Mempure

Easy-to-manufacture hollowfibre nanofiltration membrane made of positively charged materials for high flux drinking water production. Initial pilots in China and Southeast Asia demonstrate 99.99% removal of microbials, TSS, heavy metals and 85% hardness with high fouling and chlorine resistance.

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ANTONY PRINCE
 Founder & Chief Executive Officer
 Memsift

Low CAPEX/OPEX patented solutions for brine treatment and ZLD using hydrophobic hollowfibre membranes. Up to 50% OPEX savings from initial pilots with pharma and semiconductor industries.



LEELA KRISHNA
 Co-founder and Chief Business Officer
 SpaceAge Labs

Based in Singapore, SpaceAge Labs provides low-power, fast-to-deploy wireless technologies that enable cost-effective monitoring and maintenance of remote water assets.



PRATEEP BASU
 Co-founder & Chief Executive Officer
 SatSure

Decision intelligence start-up using satellite remote-sensing technology to monitor and deliver insights on agriculture risk, water, and infrastructure change. 100 million hectares monitored bi-weekly pan-India currently.



PATRICK KIELY
 Chief Executive Officer
 SENTRY

Bio-electrode sensor platform for real-time monitoring of biological activity and water quality for drinking water and wastewater treatment facilities. The SENTRY platform is unique in that it is a biofilm-based sensor, requiring only minimal maintenance and no routine cleaning. Key applications in early warning for toxicity events and aeration optimisation.



GOKUL KRISHNA GOVINDU
 Founder
 SmartTerra

AI-powered analytics platform predicts leaky pipes and incorrect meters to reduce real and apparent losses, including for utilities challenged by incomplete data and manual intermittent operations. This cloud-hosted SaaS platform can be instantly deployed and integrated with existing workflows. A recent pilot run with a major Indian city and SUEZ demonstrated a 3% improvement in annual revenue for the utility by identifying apparent losses.

About the Singapore International Water Week



The Singapore International Water Week (SIWW) is the global platform to share and co-create innovative water solutions. The biennial event gathers stakeholders from the global water industry to share best practices, showcase the latest technologies and tap business opportunities. SIWW is part of the strategic programme of the Singapore Government to grow the water industry and develop water technologies.

About Imagine H2O Asia



Imagine H2O Asia is the first accelerator exclusively focused on scaling water technology startups across Southeast Asia and the wider region. Since 2018, Imagine H2O Asia has provided the resources to develop and deploy 25 global startups from the organization's hub in Singapore. Participating entrepreneurs receive mentorship, industry visibility, pilot funding awards as well as access to a dedicated network of regional customers and investors. The program is led by Imagine H2O, the global water innovation accelerator and nonprofit organization, and supported by Enterprise Singapore, SUEZ, ADB Ventures, Kurita, PUB, and the Singapore Water Association.

Learn more at www.imagineh2o.org/asia.

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