



Meet the Buyer event

08 October 2019

Cleantech Forum Asia, Sheraton Hotel, Singapore



PUB is a statutory board under the Ministry of the Environment and Water Resources. It is the national water agency that manages Singapore's water supply, water catchment and used water in an integrated way.

Driven by growing water demand, rising operational costs, manpower constraints and new challenges like climate change, they intend to leverage digital solutions and smart technologies in PUB's operations. These include automation, artificial intelligence, big data and machine learning, to strengthen their operational resilience, productivity, safety and security.

Meet the Buyer events offer **interesting opportunities for your company** to get in touch with the leading enterprises in a variety of business sectors. The event is **invite only** and will give you the chance to have an individual **one-to-one meeting** with **key decision makers**. Join the event, establish valuable collaborations, pitch your products and services, and discuss business partnerships that can fast-forward your company's growth.

Interreg
North Sea Region
SCALE-UP

European Regional Development Fund



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Buyer profile

What is their business?

PUB is responsible for the collection, production, distribution and reclamation of water in Singapore. Rainwater is collected through rivers, streams, canals and drains, and stored in 17 reservoirs. With the pipelines linking the various reservoirs, the excess water can be pumped from one reservoir to another, thus optimising storage capacity. Raw water is piped to the waterworks for treatment. After treatment, the water is stored in covered reservoirs before distribution to customers. Water that has been used by customers is collected through an extensive sewerage system and treated at water reclamation plants. Treated used water is further purified using advanced membrane technology to produce high-grade reclaimed water, known as NEWater.

What are they looking for?

PUB developed a SMART PUB roadmap for intelligent water management in Singapore. In this roadmap, PUB defined four focus areas with **specific innovation needs**:

- Smart Drainage Grid
 - o Mining of **meteorological** data and **hydrological data**
 - o **Water quality** modelling
 - o **Optimise planning** and maintenance of infrastructure
- Smart Plants
 - o **Optimised operations** and **decision support**
 - o **Man-less** operation with automation
 - o **Autonomous security and safety** surveillance
- Smart Water Grids
 - o Extensive **monitoring** of network pressure, flow and water quality
 - o **Pre-emptive leak detection**
 - o **Predictive load dispatch: demand forecasting** and machine learning
- Smart Sewer Grid
 - o **Pre-emptive asset repair** and replacement
 - o **Monitoring** network and tunnel structural integrity
 - o **Illegal discharge tracing** and modelling

Other than the Smart initiatives, PUB has two **key long-term strategic objectives**:

- Reduce energy dependency of the water sector through low energy desalination, water-waste-energy nexus
- Analyse water quality (e.g. microbial contaminants) in real-time through sensors and instrumentation in the long term



How can you apply?

If you are interested in this opportunity, please contact **Wouter van Rooijen** by sending an email to w.vanrooijen@rotterdam.nl or **Giuliana Unger** by sending an email to g.unger@cleantechdelta.nl and briefly indicate the interest of your company in the Buyer's case. You can also contact your regional SCALE-UP partner.

SCALE-UP PARTNERS

This Meet the Buyer event is an exclusive invitation for companies associated with the partner organisations in the North Sea region. Cleantech member organisations have joined forces in the Interreg SCALE-UP project to enable cross-border business contacts between SMEs with green solutions and established large companies. The overall aim is to facilitate for innovative cleantech companies to scale up your start-up. Consultants at the member organisations help participants prepare the meetings and support them through the business process.

CONTACT

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