

**Example of a solution deployed from an open innovation call**

1. In 2014, ESG and JTC led a joint grant call to develop decentralised wastewater treatment and recycling solutions to meet increasing water needs and wastewater demands in Singapore. Through this open call, local SME, Ecosoftt, developed Singapore's first Water SMART Blue Building that treats and recycles sewage in JTC's Cleantech ONE building for non-potable reuse, such as for toilet flushing and cooling towers. This was deployed in 2017. By recycling the wastewater on-site, this increases the water supply available for use, hence enhancing resource sustainability for areas where sewer connections are limited or not available.

On the back of the track record and experience gained from the JTC Cleantech ONE project, Ecosoftt went on to commercialise the solution through projects in India, Hong Kong, Malaysia and Indonesia.

Recently, Ecosoftt's solutions have been extended to address needs relating to the COVID-19 situation. MINDEF appointed Ecosoftt to build three wastewater treatment plants with a total capacity of 820m<sup>3</sup>/day in Changi Exhibition Centre, a key COVID-19 community isolation facility. With the ability to treat wastewater on-site, the capacity of the facility could then be expanded to handle more people.

2. International connectivity provider, BICS, saw an opportunity to add value to its service offerings to logistics companies. The company raised an innovation challenge on IMDA's Open Innovation Platform to co-develop an end-to-end fleet management system to help improve the workflow. Fleet management – the coordination of transport vehicles – in an integral part of any logistics company, efficient route planning and optimised loads per vehicle can reduce operating costs. Responding to BICS' innovation call, East-West Innovative Solutions (EWIS) developed a series of connected devices to be installed on vehicles and goods. Combined with BICS' existing infrastructure and comprehensive wireless connectivity in Asia-Pacific, this allowed for real-time tracking of vehicles and goods across multiple countries. BICS and EWIS are now carrying out a live trial of the tracking system on vehicles travelling Singapore and Malaysia.