



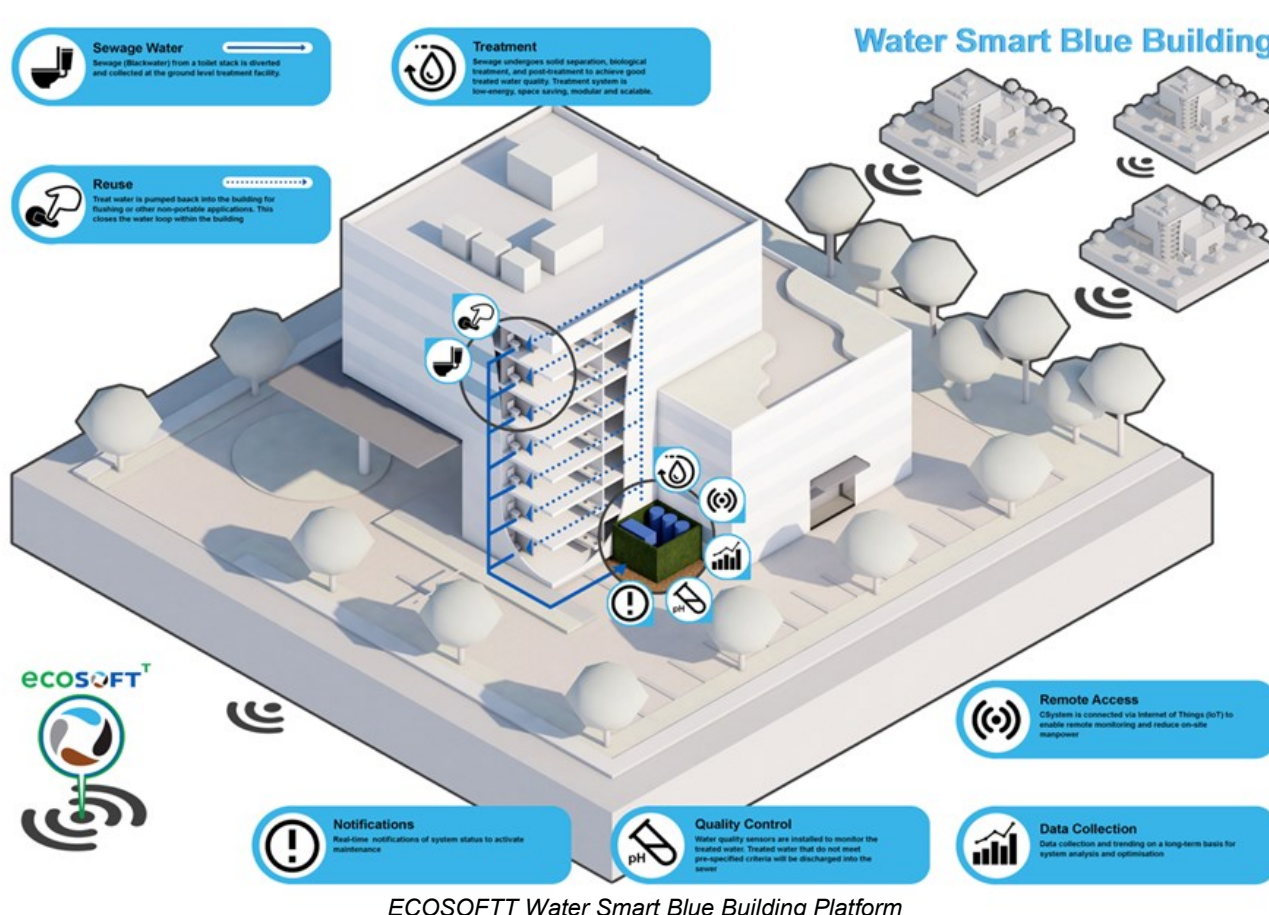
ECOSOFTT is a globally-networked innovation catalyst that provides Total Water Solutions for cities and living communities through decentralised water and wastewater management. Riding on the high acceptance of its technologies, ECOSOFTT has grown rapidly to become a significant international player with operations in Singapore, India, Hong Kong and Southeast Asia.

### Water SMART Blue Building Solution

Water is a major issue affecting over 2 billion people in developing Asian cities. Over 80% of urban sewage in emerging cities is discharged without proper treatment. Due to inadequate municipal infrastructure, many buildings and estates need to provide for its water supply and manage its wastewater.

ECOSOFTT's award-winning Water SMART Blue Building platform comprises a set of technology-based solutions that enable townships, homes, hotels, campuses, commercial buildings and other living habitats to become water-sustainable through the following:

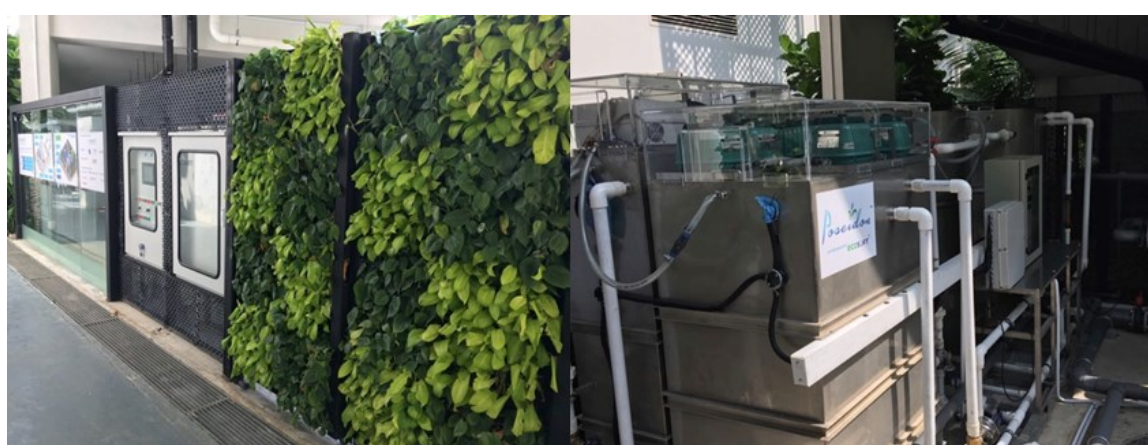
- Reduce water wastage by up to 50%;
- Recycle up to 80% of wastewater for non-potable reuse; and
- Discharge the remaining 20% to recharge water sources in an environmentally friendly way.



The Water SMART Blue Building platform enhances water security by reducing load on the water grid, plug gaps in water systems and conserve finite water resources. It was selected as among the Global Top 20 projects by the Fuller Challenge, "Socially Responsible Design's Highest Award" based in New York for being visionary, comprehensive, ecologically responsible, feasible, verifiable and replicable.

### Application in Singapore

A classic example of its application in a developed city is Singapore's first Water SMART Blue Building at Cleantech Park developed by ECOSOFTT and supported by three government agencies - JTC, SPRING and PUB. The system recycles sewage generated by the building for toilet flushing and non-potable reuse, making the reuse of every drop of water in buildings a reality. Furthermore, the system takes up a small footprint and is essentially operator-free, making it economical in a city where real estate and labour command a premium.



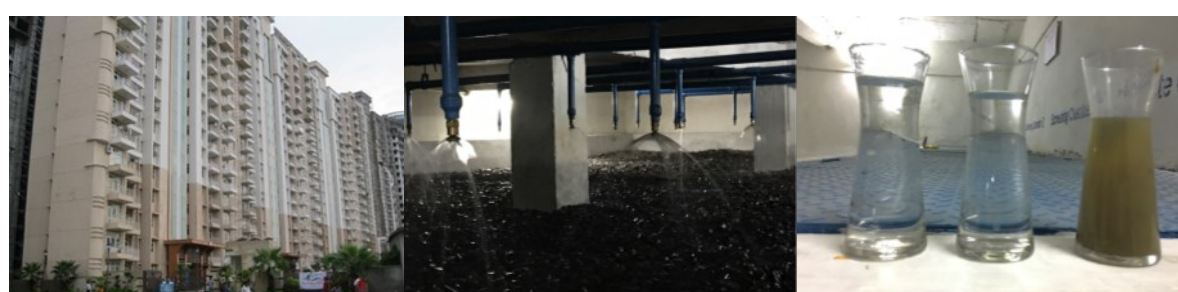
Water Smart Blue Building at Cleantech Park

### Application in India

The platform has also been deployed in emerging cities where the water and wastewater grids are not comprehensive or non-existent. In particular, ECOSOFTT has been successful in meeting the water needs in urban India where many living communities receive limited piped water supply and face severe wastewater pollution challenges.

Among the projects include the following:

#### Premium Residential development near Delhi National Capital Region



ECOSOFTT implemented an On-site Wastewater Recovery, Recycling & Reuse System using its Air Intermittent Recirculating Reactor technology, which provides energy savings of 85% compared to conventional systems. Over 500,000 liters of wastewater is now recycled every day landscaping, toilet flushing and other non-potable purposes. This drastically reduces the cost of water purchased from tanker suppliers and eliminates the pollution caused by the estate's wastewater. To optimise cost, almost all the materials required for the project are procured locally.

#### Narmada River Conservation at Omkareshwar, Madhya Pradesh



Prior to ECOSOFTT's work, this historic and religious town of 200,000 population did not have a sewer network. All wastewater flowed directly into the Holy Narmada River. ECOSOFTT constructed 5 decentralised treatment plants with a total capacity of 2.5 million litres per day that successfully resulted in the abatement of pollution of the river.

### Success Factors

ECOSOFTT has successfully addressed market needs through technologies that deliver superior treated water quality with lower energy and space requirements. Its technological advantages can be attributed to its innovation capacity, which leverages on the strong ecosystem in Singapore. At the same time, it has made these innovations very affordable by reducing cost through localisation of procurement, fabrication and project execution.

The earlier highlighted projects by ECOSOFTT have demonstrated the useful role that Singapore companies can play in addressing the massive urban development challenges in the region by partnering with private companies and public sector agencies in local regions.