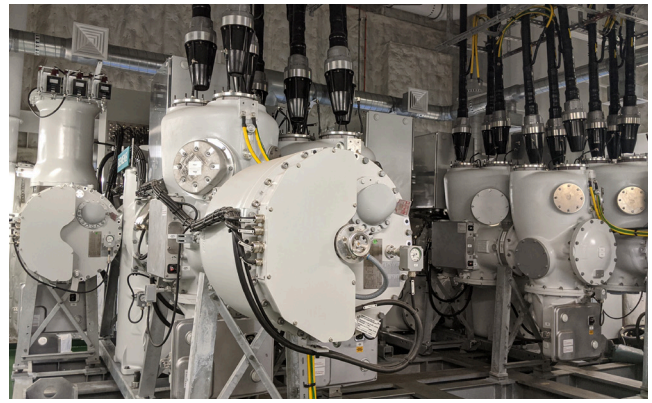
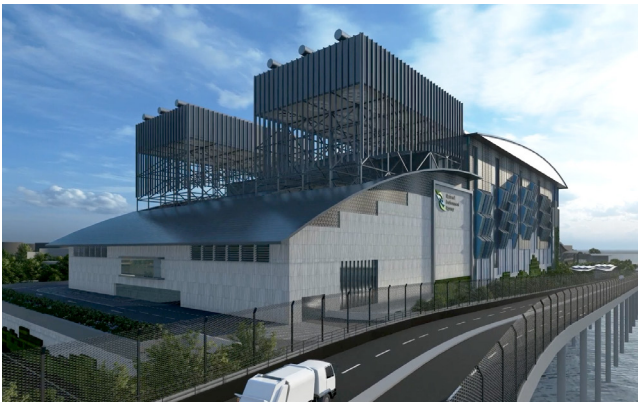


ENVIRONMENTAL ENGINEERING

Sustainable Solutions for Tomorrow's Needs





Your Trusted Partner for Environmental Engineering

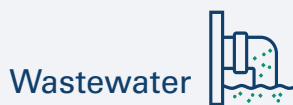
Expanding on our core competencies in large scale engineering, we provide a comprehensive suite of environmental engineering solutions in water, wastewater, and solid waste.

We have the capabilities to perform roles in various contracting models ranging from engineering, procurement & construction (EPC), to design-build-own-operate (DBOO).

Engineering Procurement & Construction (EPC) Design-Build-Own-Operate (DBOO)



Water



Wastewater



Solid Waste

Track Record

Water



Jurong Island Desalination Plant

Location: Singapore
Capacity: 137 MLD

DBOT project with 25 years water Purchase Agreement with PUB.



Autostrainer for Tuas South Desalination Plant

Location: Singapore

EPC project installing autostrainer system in PUB.

Wastewater



Kranji NEWater Factory Phase 3 Expansion

Location: Singapore
Capacity: 22.7 MLD

EPC project to provide additional capacity to existing Kranji NEWater Factory.

Delivering Solutions to Your Doorstep

At ST Engineering, we are your trusted partner to commercial and municipal customers worldwide, our track record includes successfully delivered projects in Brunei, China, and Singapore.

With proven capabilities in the provision of various solutions ranging from conceptual design to detailed engineering design, construction, and operation and maintenance services to project investments.



Societies face new challenges posed by Industrialisation, Urbanisation, & Climate Change.



ST Engineering taps on its deep expertise to develop solutions for your specific needs.



With a global presence and wide range of overseas partners, we deliver solutions right to your doorstep.

Track Record

Solid Waste



Integrated Waste Management Facility

Location: Singapore
Capacity: 5,800 TPD

EPC project that will provide 48% of Singapore's incineration capacity.



Integrated Waste Management System

Location: Brunei
Capacity: 500 TPD

DBO project comprising Transfer Station, Material Recovery Facility, Construction and Demolition Waste Facility, and Leachate Treatment Plant.



Pneumatic Waste Collection System

Location: Tianjin Eco-City
Capacity: 12 TPD

DBO project providing hygienic and automated way of sorting waste.

Pushing the Boundaries of Innovation



Sustainable Innovations

We tap on our deep expertise in varied engineering fields to bring innovations that are sustainable.



Integrated Waste Management Facility

- WTE Facility: Converting waste to electricity for Tuas Nexus.
- MRF Facility: Use advanced sorting technologies to improve overall recycling rate.



Jurong Island Desalination Plant

- Co-located with a power plant to reduce land use and capital costs.
- Harness power plant cooling water for desalination.



Floating Desalination/Power Plants

- Supply water and power to developing regions and address critical transient shortages.
- Reduce land use & mitigate risk of flooding.

Building the Digital Plant

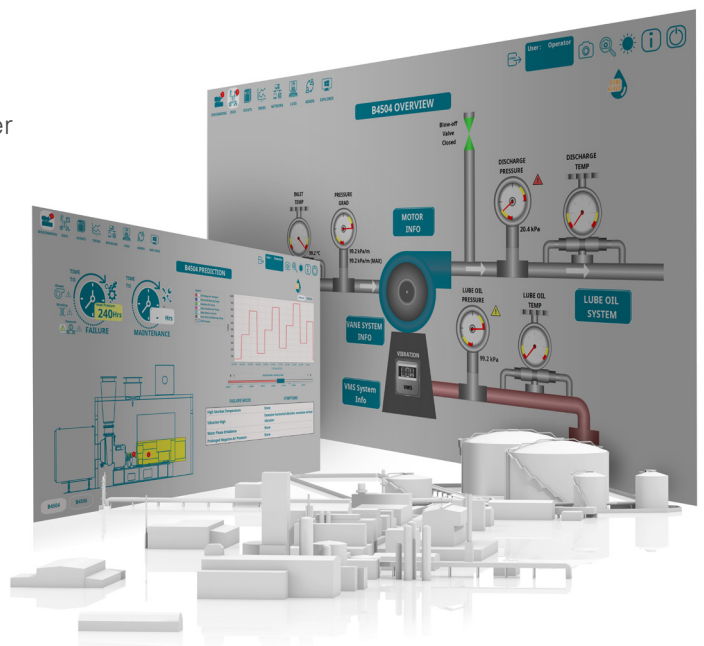
AquaNERVA is a centralized control and monitoring system for the management of water and wastewater treatment processes. Through data analytics and machine learning, AquaNerva provides condition monitoring, predictive diagnostics for your plant.

Avoid Unplanned Downtime

- Using machine learning techniques, predict future equipment failures and prescribe early preventive measures for intervention.

Reduce O&M costs

- Extend maintenance intervals by monitoring equipment health.
- Analyse and recommend actions to reduce energy expenditure.



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Scan to find out more

