
Powering Singapore's award-winning water superhighway

The state-of-the-art Changi water reclamation plant is largely powered by ABB

ABB power and automation products and systems are used throughout the plant – world's most visionary water projects, the deep tunnel sewerage system.

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used-water
superhighway



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Customer : Public Utilities Board, Singapore's National Water Agency

Location : Singapore

Industry : Wastewater treatment

Customer need

- **Deep tunnel sewerage system** touted to be one of the world's largest and most innovative water treatment projects
- Solutions to collect, treat and reclaim used water produced by the city-state for the next 100 years
- Power and control the huge pumps at exceptional levels of **energy efficiency**
- Solutions for powering, **monitoring**, measuring and controlling crucial process equipment

ABB's solution

- Extensive **power solution packages**, as well as automation products to operate at the highest levels of reliability.
- Two **substations** with highly compact switchgear and transformers
- Ten 3.5MW high-efficiency motors and water-cooled **medium-voltage drives** to control the pumps
- **Water instrumentation** and analyzers that measure and monitor flow, pressure and other key parameters.