

Complete automation solution for Chua Chu Kang waterworks, Singapore

FESTO



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Customer information

Oakwell-Breen Pte Ltd., established in 1995, distributes engineering products to the water and wastewater treatment industry, sewage treatment, gas and energy, petrochemical and chemical industries and marine services. One of its major core business areas is the supply of equipment for drinking water to process and industrial engineering services in South East Asia and other regions.

Task

- Plant: Chua Chu Kang Waterworks, Singapore
- Safe process control for sand bed filters
- Reliable penstock valves required, controlled via Profibus DP on remote I/O modules.

Solution

- Stainless steel penstock valves were selected for process control
- These are connected to Festo's linear actuators DLP and CPX/MPA valve terminals (Profibus DP enabled) to provide the control and network with the plant's DCS
- Festo provided the contractors with the interface and total control solution
- Festo and Oakwell also worked closely with engineers from Siemens Water Technologies to integrate the field equipment to a higher-order control network



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