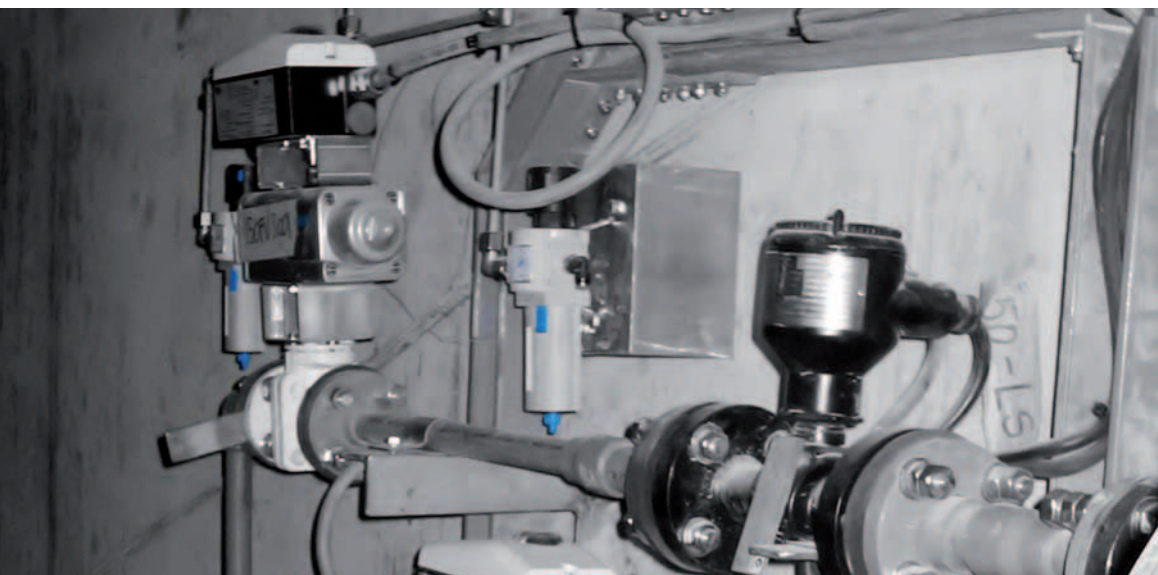


# Changi Water Reclamation Plant: Reliable remote-controlled processes with solutions from Festo

# FESTO



Water/Wastewater

Biotech/Pharma

Food & Beverage

Chemicals

Petrochemicals

Oil & Gas

Pulp & Paper

Energy

Mining

## Customer information

The wide range and combination of engineering services provided by United Engineers Singapore (UES) encompasses civil engineering, mechanical and electrical services and process engineering infrastructure for the energy, power, water and environmental sectors.

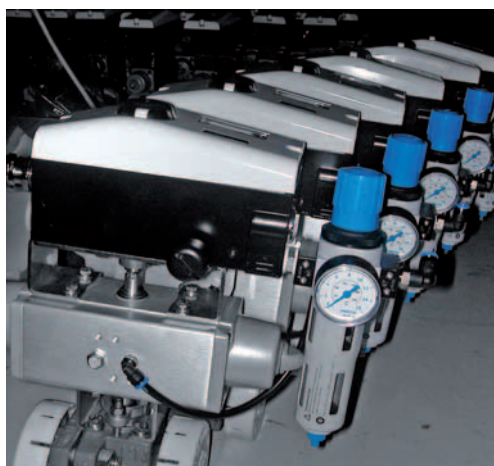
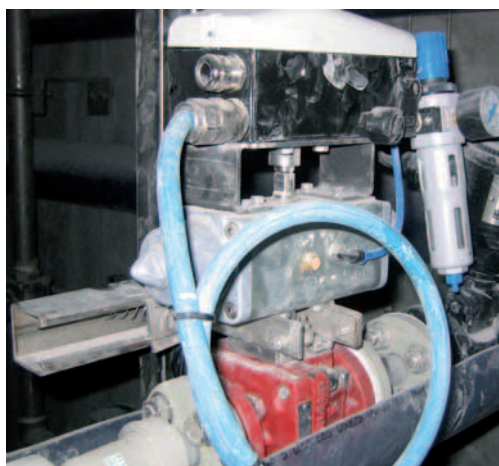
Potable and wastewater treatment is its major specialised core business for process and industrial engineering services in South East Asia and other regions.

## Task

- Chemical dosing process  
Special requirement for the valve: resistant to chemicals
- Environmental condition: explosion proof Zone II
- Process valve required to be modulated via Profibus controls using the remote I/O panels

## Solution

- V-Notch ball valves were selected for fluid process control linearity
- These are coupled with Festo DAPS and ABB TZIDC (Profibus PA enabled Positioners)
- Festo provided the contractors with the interface and overall control solution
- Festo also worked closely with the sub-contractors to integrate field equipment with the control networks



**Festo AG & Co. KG**

PO Box  
73726 Esslingen  
Germany  
[www.festo.com](http://www.festo.com)  
Telefon +49 711 347-0  
Telefax +49 711 347-21 44  
[service\\_international@festo.com](mailto:service_international@festo.com)

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