

# Water Sector Project List



## CORE CAPABILITIES

- Automation engineering
- Detailed design
- Control systems
- Electrical engineering
- Detailed design of hardware and software
- Factory acceptance testing
- Site commissioning
- Site management
- Occupational health and safety management

## TECHNOLOGIES

- Supervisory Control And Data Acquisition (SCADA) systems
- Programmable Logic Controls (PLCs)
- Remote Telemetry Units (RTU)
- Off-grid solar power systems
- Siemens PCS7 control systems
- Aspen IP21
- Instrumentation and field equipment
- Closed circuit video for remote monitoring

## MELBOURNE WATER: EASTERN TREATMENT PLANT PCS7 UPGRADE

Synertec upgraded the Melbourne Water Eastern Treatment Plant Siemens PCS7 system, ensuring the plant achieved its high availability requirements across the large PCS7 network.

## WATERSURE: VICTORIAN DESALINATION PLANT 24/7 SUPPORT

Synertec provided 24/7 support for the Victorian Desalination Plant control system, which was one of the largest Siemens PCS7 installations in the southern hemisphere.

## BEON ENERGY: EASTERN TREATMENT PLANT AND WINNEKE SOLAR FARM

Synertec undertook a combined power and water project to build solar photovoltaic generation plants. The implemented control system allows the water plants to reliably power major equipment from renewable sources.

## CENTRAL HIGHLANDS WATER: INTEGRATOR SERVICES PANEL

As part of the services panel, Synertec are providing project works and support for Central Highlands Water's PLC, SCADA, and telemetry systems across their network. Synertec managed the large-scale rollout of their RTU upgrade project.

## SOUTH EAST WATER: ONGOING SUPPORT

For the past four years, Synertec has had a team of engineers providing support and upgrade services for South East Water. This has included improvements to SCADA, PLC, and RTU control and operations for their network.

## MELBOURNE WATER: UPPER TRIBUTARIES PROJECT

Synertec was engaged to deliver an automatic control system, integrated with local infrastructure, to control and provide real time data from the tributaries in the Upper Yarra region.

## MELBOURNE WATER: EASTERN TREATMENT PLANT SUPPORT

Synertec has been continuously engaged by Melbourne Water since 2007 to deliver the ongoing 24/7 support for the Siemens PCS7 system at the Eastern Treatment Plant.