

Seqwater/TEW Landers Shute sludge handling plant and cen- trifuge plc up- grade

Customer

TEW Solution

Location

Seqwater Landers Shute
WTP, QLD

Accreditation

Mipac is Seqwater Monitor-
ing and Control Systems
(MCS) - SCADA System In-
tegration Specialist panel
member

Plant details

PLC software configuration
and interfacing to existing
plant PLC . Also modifica-
tions to the site SCADA.

I/O Count

548

Control System

Schneider M340 PLC,
Citect SCADA system



Project Overview:

Seqwater project to upgrade the sludge handling system at the Landers Shute WTP, involving decommissioning and replacement of equipment. The control system at site required modification and new PLC for additional equipment.

Mipac Scope:

- Provision of new sludge handling remote I/O PLC rack integral to the new MMC
- Full integration of the replacement sludge MCC and proprietary centrifuge control panels into the existing plant PLC and SCADA
- PLC and SCADA programming to fully incorporate the new systems into the existing control solution, including detailed alarm and reporting structure to the new MCS specification
- Participation in HAZOP and CHAZOP workshops
- FAT (factory acceptance testing)
- Reviewing and revising the control functional description document
- SAT, Control System commissioning and operator/maintenance Seqwater staff training

Project Highlights:

- Cutover was undertaken within the planned/scheduled time with no impact on Brisbane water production and supply
- All site works carried out met the Seqwater safety requirements with no incidents
- Working with the many stakeholders involved in the project ensured commissioning and cutovers were seamless