

AUDITING WATER UTILITY ASSETS FOR RISK FREE OPERATION

“If one does not know to which port one is sailing, no wind is favorable” - Seneca

Industry
Utility

Sector
Water & Sewerage

Segment
Equipment Compliance

Project

- The client looks after all municipal water and wastewater systems in Tasmania, including 61 water treatment systems with some 6500 km of water mains and approximately 100 sewerage systems with nearly 5000 km of sewer mains.
- The operational infrastructure was inherited from a number of different organisations. This meant that the electrical equipment was of varied age, condition and installation standard. The client identified the need to conduct an extensive electrical audit to ensure there was no risk for their operators performing their day-to-day duties.
- The project included approximately 550 sites in the north of the state and was split into two phases:
 - *Phase 1 - external electrical panels*
 - *Phase 2 - buildings containing some form of electrical equipment*
- Cromarty Automation was engaged to undertake the works.

Solution

Cromarty Automation worked collaboratively with the client to:

- Provide Project Management services including:
 - *monthly reporting*
 - *procurement*
 - *change management*
 - *risk management*
 - *stakeholder engagement*
- Audit sites
- Remediation of sites issues
- Quality checks
- Document changes



Outcome

The expertise of Cromarty Automation's technicians and engineers not only helped to provide a safer working environment for the client's field staff by remediating the safety issues identified but also provided the client with a clear understanding of the status of their electrical assets. This information was subsequently fed into the capital renewal plan, allowing the planned replacement of end-of-life assets and also, in some cases, helped to avoid unforeseen breakdowns by addressing issues early.