



I/E & EEHA FEATURE PROJECT QUARANTINE POWER STATION UPGRADE

Project Description

Quarantine Power Station is a peak load station designed to operate at times when the grid is operating at near capacity. Quarantine has 4 stand alone, single cycle turbines as part of the current installation and the latest upgrade project is to install a GE Frame 9E 120mW single cycle unit to complement the existing arrangement. The project was expected to be completed in early 2009.

Scope of Work

e2o was engaged to provide an instrumentation and electrical team to complement and enhance the constructor's technical competence in certain areas. We provided a team of I/E dual trade technicians, hazardous area specialists, electricians and instrument fitters to complete

numerous specialised tasks within these fields. Our scope of works included:

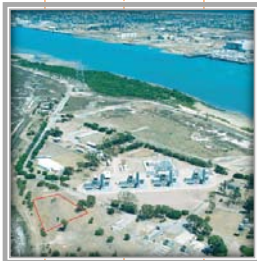
- Building the Hazardous Area Dossier for the client;
- Completing all hazardous area inspections – site wide;
- Provide all EEHA quality documentation (FIC's ITP's);
- Provide fundamental EEHA installation lessons to the constructor;
- Calibration of all site wide instrumentation;
- Installation of specialised vendor supplied equipment;
- Pre-commissioning activities;
- Commissioning activities with General Electric.

Project Achievements

The following achievements were realised on this project:

- Coordination and communication with three stakeholders to build the EEHA dossier;
- We demonstrated our ability to provide a wide variety of niche technical services;
- e2o had no injuries or incidents during the project;
- We were able to manage all calibrations on our software QA database;

Cost savings to the constructor were achieved through our intervention, saving on EEHA rework.



PROJECT SPECS

Status	Complete
Dates	Sept 08 –Mar 09
Location	Torrens Island SA
Discipline	Instrumentation/EEHA/Commissioning
Incidents	Zero Environment and Safety