



FORTESCUE METALS GROUP - T155 66/22kV Tiger Substation

LOCATION	DURATION	VALUE	MAN HOURS
Port Hedland, WA	Jul 2012 - Oct 2012	\$5.1 million	27,093

Project Overview

ECM was awarded the electrical and instrumentation installation package for the Tiger Substation of the T155 Port Project in Port Hedland, Western Australia. The scope of work included installation, jointing and termination of 22kV and 66kV high voltage cables, power, control and fibre optic cables from the Tiger Substation to H-frame and switch room SR0090.

The scope also included the installation and erection of the H-Frame structure and associated fittings, assembly and installation of ABB transformers and 66kV switchgear, installation of structural steel bus bar supports and 66kV bus bar system and the installation of oxygen aerial conductor and oxy fittings.

During the project, ECM completed various electrical and instrumentation packages across Fortescue's T155 Port Expansion Project, in addition to prior works completed on Fortescue's Team 45 Project and the Fortescue Optimisation Project.

Scope of Work

- Installation, jointing and termination of 22kV and 66kV HV, control, power and fibre optic cables.
- Installation of H-Frame structure.
- Specialised HV terminations.
- Installation of transformers, surge arrestors, 66kV bus bar and oxygen aerial conductors.
- Installation of above and underground 66kV cable.
- Subcontractor management, scheduling and interfacing.
- Complex commissioning/interlocking tie in.