

FMG3 Marine Wharf Electrical Works

Project: Marine Wharf Electrical works

Client: MacDow / FMG

Location: Pilbara

Contract Value: \$1m+

Contract Duration: 8 months 2011



DESCRIPTION

Fortescue Metals Group (FMG) awarded McConnell Dowell (MacDow) the design and construct (D&C) contract for Birth AP3 of the Pilbara Iron Ore Infrastructure Project at Anderson Point, Port Hedland in Western Australia.

SCOPE

The project involved the construction of the third export berth comprising 7 independent berthing dolphins including fenders and quick-release mooring hooks, a 360 metre extension to the load-out wharf together with associated navigational aids. The third berth makes provision for the duplication of the load-out conveyor system and installation of a second iron ore ship-loader.

The Electrix team were one of the first parties on site setting up office accommodation, reticulation communications and the equipment storage facilities. This rapid response and the 24/7 support for the project enabled rapid engineered responses to ever changing conditions.

The initial scope of electrical support was soon expanded to cover general and task lighting for full round the clock operations, full emergency warning systems including fire protection, and creation of construction working zones on floating platforms. These additional works were over and above the contract related works such a cathodic protection system.

Electrix carried out works while berths one and two remained fully operational. The Berth AP3 project also had to operate a fully dovetailed Permit to Work process system that met both the needs of the project as well as all the attribute of a fully operational marine port.

VALUE TO CLIENT

Electrix were able to demonstrate its ability to perform in a highly complex and highly specialised environment alongside the other stakeholders.