

Fortescue Metals Group – Berth AP3

Project: Marine Wharf Electrical works

Client: McConnell Dowell / FMG

Location: Port Headland / Pilbara

Contract Duration: March – November 2011

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

McConnell Dowell's scope of work includes the construction of the third export berth, which comprises seven independent berthing dolphins including fenders and quick-release mooring hooks, and 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 the installation of a second iron ore ship-loader.

From inception, the Electrix team were one of the 1st on site setting up office accommodation, reticulation communications and the equipment storage facilities. This rapid response and the ongoing round the clock support for the project has provided a major benefit to MacDow enabling rapid engineered responses to ever changing conditions.

Electrix initial scope of electrical support was soon expanded to cover; setting up complete 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, all in addition to completing contract related works such a cathodic protection system.

Whilst Electrix has been carrying out these works, Berths one and two have remained fully operational. The Berth AP3 project is challenging enough, however it has to operate a fully dovetailed Permit to Work process system that not only meets the needs of the project but factors in all the attributes of a fully operational marine port .

This project demonstrates the skill and commitment of Electrix for working in complex and highly specialised environments



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