



## ROAM MARINE

Z Marine Pty Ltd  
ABN 52 144 660 702  
34 Crossways, Cnr Rokeby & Bagot Rd  
Subiaco, WA 6008, Australia

Mb 0413 933 163  
Phone 9381 9091  
Email [mhannaford@roam-marine.com](mailto:mhannaford@roam-marine.com)  
Web [www.roam-marine.com](http://www.roam-marine.com)

**Project:** Dalrymple Bay Coal Terminal – Wharf

**Client:** Prime Infrastructure

**Contractor:** Clough

**Year:** 2002

**Contract period:** 12 months

**Project scope:**

Fabricate and install third berth for loading 230,000DWT coal vessels at Mackay. The scope includes complete structural mechanical and electrical works for the wharf, dolphins, conveyors and shiploader.

**Roam scope:**

Design of two travelling gantries for Favco 1500 cranes. Gantries span 18m with 5m headroom.

Design of piling frames for the breasting dolphins. The frames were supported in the splash zone 10m beneath the wharf deck. The frames were used for support of piling gates and for access to install and paint the dolphin structures. Challenges include controlling piles pitched on the dredge slope and stripping of the frames after installation of the structure.

Constructability reviews. For example - precast deck planks were doubled in size to half the number of lifts and quantity of insitu grouting. An added benefit was that the construction traffic loads prior to grouting could also be doubled.

Design of miscellaneous temporary works such as scaffold, catwalks, access structures, catwalks, temporary braces, pile assembly beds and lift engineering.

