



## ROAM MARINE

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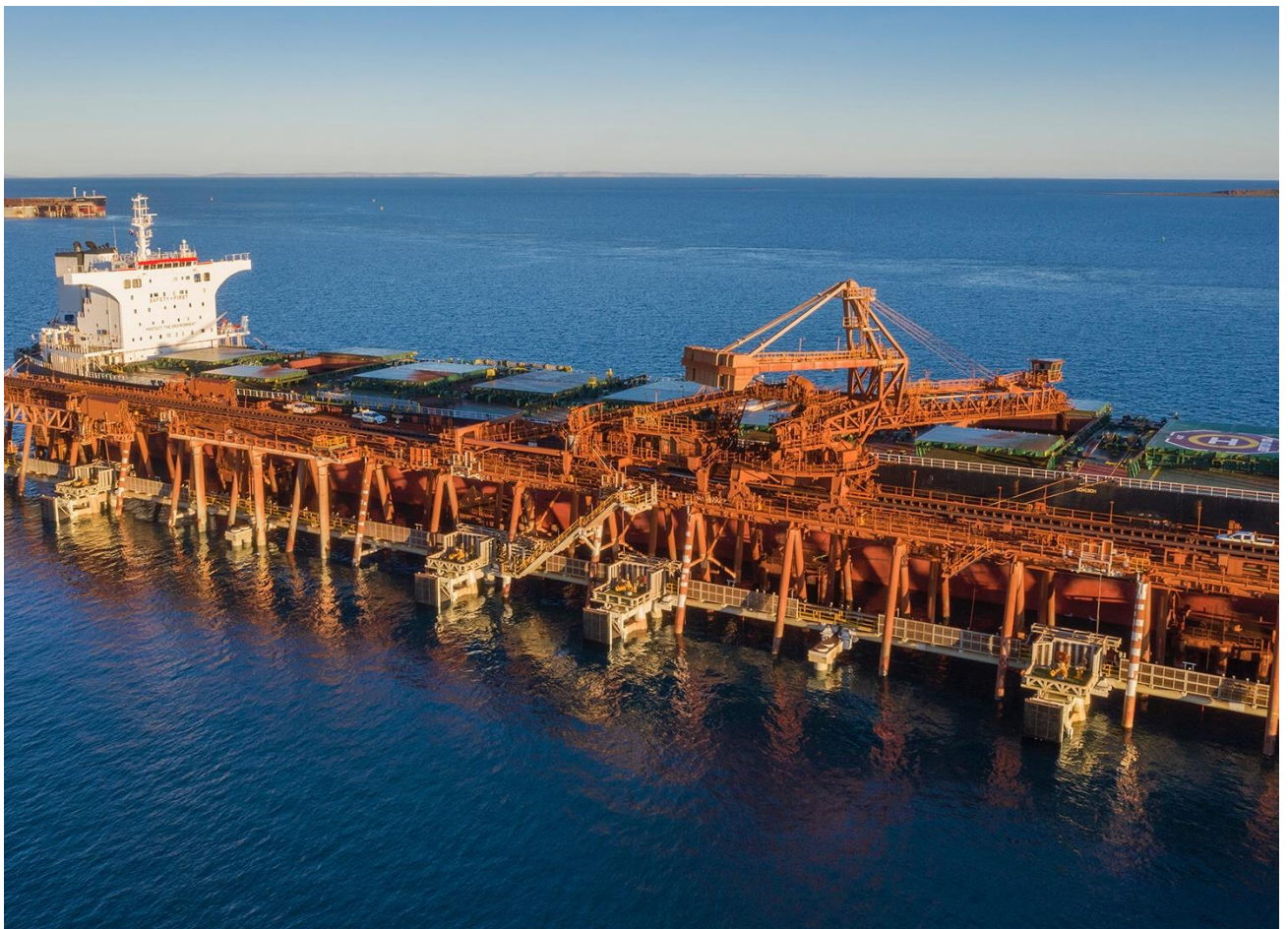
**Project:** CLA Dolphins – Temporary works

**Client:** Austral Construction

**Project scope:** Austral were contracted to upgrade Cape Lambert A wharf including:

- Demolition of 24 dolphins and installation of 20 new dolphins at the four iron ore berths
- Supply and install associated dolphin walkways, stairs, services and wharf strengthening
- Additional piling and bracing of 9 anchor bents on the jetty

The project was challenging because of the tight schedule and operational facility only permitting access to one berth at a time.



Berth 1 complete

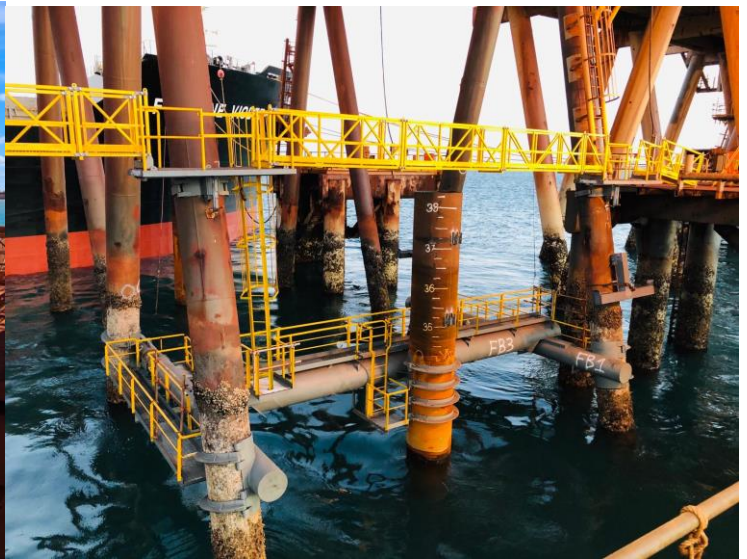
Roam Marine assisted with the design of temporary works for 50year storm events:

- Temporary bracing of spud piles and jackets
- Access along wharf consisting of modular walkways up to 15m span
- Access to jackets, piles, bracing and stair towers up to deck level
- Installation method for longitudinal walkways between piles and under the maintenance deck
- Lift studies, lugs, spreaders etc
- Design of a lift C-beam 9m high\*7m reach to lift up to 14t @ 7m or 31t @ 3.25m
- Monorail to install 25t lateral walkways under wharf from dolphin to dolphin





Three jackup barges working in the berth pocket



Spud pile bracing and modular access along a long wharf



Jacket lift onto spud pile – max 120t



C Beam lifting 28t pile jacket under maintenance deck