



ROAM MARINE

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Project: Port Hedland – Tug Pens

Client: Port Hedland Port Authority

Contractor: Roam Marine

Year: 2004/2005

Contract period: 4 months

Project scope:

Construction of floating tug pens to provide two extra berthing positions for the Port's tugs and provision for cyclone mooring. Access to the shore is via a 30m pedestrian gangway.

Roam quoted for the construction of the tug pens based on an improved in-house design that reduced the tonnage by 30% and surface area by 50%. The resulting structure was easier to build, stronger and more durable.

The tug pens consist of a steel superstructure supported on polyethylene pontoons. The pontoons are fitted with rubber fenders and rubbing strips on the piles.



The scope included power, lighting, cathodic protection and water services. The mooring piles were fitted with 200t breaking load vertical cables 8m long with heavy lugs welded to the piles. Tugs can safely moor in cyclonic conditions and handle a 9.5m storm tide range.