



ROAM MARINE

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Project: Stair tower with luffing gangways

Client: Albany Bulk Handling (Toll)

Contractor: Roam Marine

Year: 2005

Contract period: 4 months

Project scope:

Roam was approached by Toll and the Albany Port Authority to design, fabricate and erect an access structure that allowed personnel to safely transit to and from vessels at berth 6.

Because of the variety and size of ships as well as the changing tidal conditions, luffing gangways were proposed at two levels powered by electric winches.

The gangways operate via electrical controls which take into account the limits of operation (± 20 degrees) and the changing deck level of the vessels.

Roam scope:

Roam designed and detailed the structure and project managed the fabrication, painting, erection and electrical work.

The member sizes were selected based on erection without crantage and therefore as light as practical. A Hiab crane on the ship loader platform deck was used to erect the first few levels. As the erection progressed upwards, manual techniques were required involving scaffolding and gin-poles.

The gangways were pre-assembled and lifted into position with the Hiab.

