

## Wharf Dolphin Access Systems & Coating Repairs



Wharf berthing dolphin with access platforms, rigged in position.

Coating Repairs

### PROJECT PROFILE

Client:	McConnell Dowell Barclay Mowlem JV
Location:	HI Wharf Extension Dampier, WA
Project Duration:	5 weeks
Date:	Sep 2005 - Oct 2005
Crew Size:	5

As part of the wharf extension project undertaken by McConnell Dowell Barclay Mowlem Joint Venture (MDBM JV) for Rio Tinto Iron Ore, an efficient and cost effective solution was required for accessing the wharf's berthing dolphins in order to seal and coat the flanges and pile sleeves.

**AME** developed an innovative access system based on inhouse designed and fabricated aluminium access platforms. The platforms were designed to be floated under each dolphin by **AME**'s work vessel, then raised and rigged in position. Utilising this system, significant time savings were achieved over conventional access systems such as scaffolding.

Blasting and painting personnel working from the platforms wore height and over water safety equipment at all times.



(a)



(b)



(c)



(d)

**Photo (a):** Gap between the flanges being sealed with structural epoxy grout.

**Photo (b):** Painting of upper flanges.

**Photo (c):** High pressure water blasting the top of the grouted pile sleeve, prior to painting.

**Photo (d):** Painting of lower flanges.

**Photo (e):** Access platform being floated into position by work vessel.



(e)

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