

# RIO Tinto East Intercourse Island Dampier Channel Marker Refurbishment



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**PROJECT COMPLETED DECEMBER 2015**



Deck space maximised to conduct works safely

United Industrial Solutions was contracted by Rio Tinto to carry out the refurbishment of various channel makers within Rio Tinto Shipping Channel. Utilising the UIS Ocean Driller Jack-up Barge which was mobilised from the Kaiser Marina Dampier the barge was located on location external of shipping lane enabling all works to be conducted with no shipping disruptions. Works consisted of the redesign of access ladders; fabrication; procurement; destruct works; surface preparation; remedial hot works; and recoating of the channel maker.

A key challenge of the project was accessing the scope front and executing the works safely. With real-estate on the barge a premium UIS opted for the utilisation of a 15T crawler crane to minimise foot print and the use of a EWP resulting in a non cluttered deck and clear work front for personnel. Works was conducted within budget, timeframe and to clients expectation.



15T Crawler crane utilised for removal & reinstatement of access ladders

## Project Management

UIS worked closely with Rio Tinto personnel ensuring all hazards were addressed and actioned. Management of all third party activities.

## Engineering

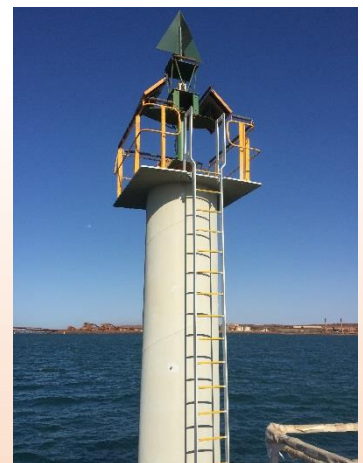
Redesign & detailed drafting of access ladders – Issued For Construction.

## Procurement

Manufacture of access ladder and supply of all equipment and consumables to complete SOW.



Typical Type A Channel Maker fully refurbished



Typical Type B Channel Maker fully refurbished