

RIO Tinto East Intercourse Island Dampier Lay-by Berth Dolphin Platform Structure Refurbishment and Hook Assembly Upgrade



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United Industrial Solutions (UIS) was contracted by Rio Tinto to carry out the refurbishment of three (3) Dolphin Platform Structures and the upgrade of Hook Assemblies. A key challenge for this project was access to the scope front ensuring the Lay-By berth stays operational and shipping movement not disrupted.

To achieve this **UIS** opted to locate a Jack-Up Barge on the backside and with the utilisation of a 110T crawler crane works was conducted without disruption to the Berth. In-addition with the utilisation of a Multi-Cat all material was transported to and from the work front removing the requirement for additional barges.

Project Management

UIS worked closely with Rio Tinto personnel and shipping department ensuring all hazards were addressed and actioned prior to any works being conducted. Management of all personnel and third party activities was conducted by **UIS**.

Engineering

To reduce high risk activities (working over water) **UIS** pre-assembled the Dolphin platform on land and completed all non destructive testing prior to mobilising structures to work front.

Procurement

Supply of all equipment and consumables to complete SOW.



Redundant Dolphin platform loaded onto Multi-Cat via crawler crane



Platform pre-assembled with all non destructive testing completed



Dolphin platform lifted from vessel and located into position via crawler crane



Platform refurbishment complete with new hook assemblies and access ladder installed