

# SUCCESS STORIES



## Rio Tinto Alcan Yarwun (RTAY)

### Ship Unloader - Hoist Refurbishment

#### Background:

The RTA Yarwun (RTAY) Stage 1 Ship Unloader utilised a proprietary hoisting system for the main grab. The variable speed drives within that hoisting system became obsolete and were to be upgraded to the same level as the new stage 2 ship unloader recently installed.

Welcon Technologies was engaged by RTAY to manage a turn-key contract for the execution of this project. This commenced with the Define Stage which primarily involved scope definition to determine the extent of the project. The Pre-Feasibility Stage was conducted to develop Scope of Work documentation, project schedules and cost estimates. At this stage, it was identified that the solution would involve a major lifting operation from a floating crane and a detailed Lift Plan was therefore prepared.

Following funding approval, Welcon managed the implementation stage which included detail design, construction, commissioning and project close-out.



#### Project Specifics

Client	Rio Tinto Alcan Yarwun
Location	Fisherman's Landing, Gladstone , QLD
Year Completed	2013
Size / Quantities	4x 640 kVA VSD's 6x 320 kVA VSD's PLC and HMI System
Services Provided	<ul style="list-style-type: none"><li>• Project Management for:<ul style="list-style-type: none"><li>• Define Stage</li><li>• Pre-Feasibility Stage</li><li>• Feasibility Stage</li><li>• Implementation Stage</li></ul></li><li>• Contractor Coordination</li><li>• Commissioning</li></ul>
Delivery Method	Electrical Engineering Consultant