



Stacker Reclaimer Disassembly, Upgrade and Relocation

DALRYMPLE BAY COAL TERMINAL, QUEENSLAND

PROJECT OVERVIEW

CLIENT: Dalrymple Bay Coal Terminal Management
ENGINEER: Connell Hatch
DURATION: March 2008 - March 2009
PEAK WORKFORCE: 40 people
MAN HOURS: 56.7K hours approx.
ENVIRONMENT: Brownfield

Dalrymple Bay Coal Terminal, located at the port of Hay Point south of Mackay in Queensland, is one of the largest coal exporting ports in the world.

G&S Engineering carried out the disassembly, of a Krupp Stacker Reclaimer (SR3) including strengthening and modifications to the sectional components, transport of subsections from Bund 4 to a new Bund 6 (to be renamed SR6) and then the rebuilding and upgrade (to AS 4324.1 standards) with a design capacity of 6,600 tonnes per hour. The upgrade increased its stacking capacity by 15%.

G&S supplied all labour, materials, consumables, construction plant, and equipment for the disassembly and relocation of stacker reclaimer SR3. Works included:

- Management of earthworks for dismantle, relocation and re-assembly of the stacker reclaimer;
- Total protective coating of the boom and counterweight structure including the mast;
- Cutting and re-splicing of conveyor belts;
- Offsite overhaul of the operators cabin including all new electrical installation; and
- Installation of new control and instrument cabling including new remote i/o control boxes.

Manufacturing and fabrication works undertaken at the G&S Mackay workshop included fabrication of a new elevator conveyor, strengthening of the boom structure and structural modifications to all the main structures to cater for the increased load conditions.



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