



Stacker and Reclaimer Installation

ROY HILL MINE, PILBARA WESTERN AUSTRALIA

PROJECT OVERVIEW

CLIENT: Samsung C&T
PROJECT OWNER: Roy Hill Mine
DURATION: 2014 - 2015
ENVIRONMENT: Greenfields

G&S was contracted to carry out the Structural, Mechanical, Piping and Electrical Instrumentation (SMP&EI) installation of one fixed Stacker, two mobile Stackers capable of stacking ore at a rate of 5,500tph and one Reclaimer with a reclaiming rate of 14,000 tph at the Roy Hill Mine.

All machines were pre-assembled offshore and supplied in a modular configuration. The onsite assembly involved a multitude of large single and dual crane lifts throughout the build process. Works encompassed:

- Supply of erection cranes (over 10 cranes onsite, ranging up to 600 Tonne in size);
- Supply of construction offices, cribs and ablutions;
- Co-ordinating the component deliveries around site utilising the Self Propelled Mobile Transporters;
- Design and supply of temporary boom stands;
- Supply of all tools and gear;
- Supply of management and labour with a peak loading of ~160 people onsite;
- Preparation of lift plans (largest lift being 260 Tonnes single crane lift);
- Installation of electrical cable, instruments and lights;
- Installation of lube and hydraulic systems;
- Simultaneous SMP&EI installation of four machines; and
- Verification of vendor supplied components.
- Pre-commissioning of all machines.



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