



Dragline 40 Major Maintenance Shutdown

BLACKWATER MINE, QUEENSLAND

PROJECT OVERVIEW

CLIENT: BHP Mitsubishi Alliance (BMA)
DURATION: May 2013 - Sept 2013
ENVIRONMENT: Brownfield

G&S Engineering undertook the major maintenance shutdown of Dragline 40 at Blackwater Mine. The scope of works included supplying equipment, labour, cranning, supervision and a range of subcontractors over the five month duration of the project. Work included:

- Circular Diaphragm (CD) replacement;
- Upper rail installation;
- Removal and onsite overhaul of the swing gearboxes;
- Drag and hoist gearboxes and magnetic (MG) set replacement;
- Boom repair works;
- Lower tin can repairs on the boom
- Replacement of the boom point sheaves;
- A high-voltage switchboard replacement;
- Armature cable replacements;
- Maintenance works on the transformers;
- Essential services distribution board and MG set; and
- The removal and re-installation of a DC motor.

PROJECT HIGHLIGHTS

Works were completed under schedule and under budget with below target lost operating time when the machine was placed back in commission. G&S was able to deliver improved efficiency for the client by reducing the CD change out task by 3,000 hours.



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