



## Conveyor M103 and Transfer Station Upgrade

### PROJECT DETAILS

This Project was inclusive of electrical, mechanical, structural and programming works required to upgrade HG Conveyor M103 and TS02 Transfer Tower.

The purpose of the M103 Conveyor Upgrade was to upgrade the HG Conveyor M103 to increase through put design capacity from 4,900TPH to 6,500TPH, to match with other site conveyors which can handle a combined feed rate of up to 7,000TPH from the Beneficiation Plant.

Mechanical works included the removal and replacement of Drive Motor, Gearbox, Belt, all Idlers, Drive Pulley, Oil Cooler and Brake Power pack.

Structural Modifications included the removal and replacement of steelwork and addition of strengthening steelwork. Modifications and replacement of Head Chute components.

Electrical works included the Isolation and disconnection of power supply from Sub-Station. Installation of new cable routes, remove and replace Rotor Cubicle, replacement of existing Gantry Controls and Junction Boxes, checking and correction of Overload Protection, Testing and Commissioning.

**Client:** BHP Billiton Iron Ore

**Location:** Mt Whaleback, Newman WA

**Duration:** 2 Shut Downs – 3 days and 6 days

**Completion:** July 2014

**Value:** \$3M



### PROJECT HIGHLIGHTS

**Personnel on Site:** 63

**Manhours:** 10,550

**Conveyor Length:** 300m