



Radial Stacker Upgrade

CLOUDBREAK MINE, WESTERN AUSTRALIA

PROJECT OVERVIEW

CLIENT: Fortescue Metals Group (FMG)
ENVIRONMENT: Brownfield

G&S was engaged to carry out fabrication and installation for structural upgrade of the SK401 Radial Stacker to increase belt feed capacity to the Cloudbreak product stockyard.

Fabrication included 20 tonnes of steel plate cleats, UC and PFC beams, SHS braces, threaded rod and fasteners. Engineering design was carried out by FMG and shop detailing was arranged by G&S for fabrication.

Site installation included staged works during multiple shutdowns of the Cloudbreak process plant. Planning and logistics included four mobilisations of personnel and equipment over a six month period.

G&S took an innovative approach to fabrication by arranging a splice plate design which could be modified on site for beam installation. Site works also included pre-assembly of structural sections to minimise working at height from elevated work platforms.

