



Sino Iron Ore Project

PROJECT DETAILS

Centrals were engaged by Cimeco as an alliance partner, working in a fully-integrated operation to deliver more than \$240M in earthworks, concrete, structural steel erection, in-ground services and building works. A combination of lump sum and schedule of rates, Centrals and Cimeco completed several discrete packages, including construct only and design and construct.

The overall project scope included:

- Construction of four filter building structures including all detailed excavation, formwork, steel fixing, concrete placement/finishing, structural steel erection and cladding
- Construction of all foundations for thickeners, tanks, event ponds and associated plant including all detailed excavation, formwork, steel fixing, concrete placement/finishing and erection of structural steel
- Construction of foundations for two stackers and one reclaimer including crushing of aggregates, detailed excavation, formwork, steel fixing, concrete placement/finishing, rail berm construction, sleeper and rail installation
- Design and construction of the main workshop complex at the Sino Iron Port Facilities along with modular/transportable administration and amenities buildings, road works, infrastructure and underground services
- Construction of foundations for all conveyor and pipe racks connecting the dewatering, filter and stockpile infrastructure including all crushing of aggregates, detailed excavation, formwork, steel fixing, concrete placement/finishing, rail berm construction, sleeper and rail installation
- Design and construction of the Port Main Control Building and Laboratory at the Port
- Install of two of 45m diameter product thickeners, supplied in six major sections for each thickener. Install sag plates, bridge, drive shaft and rake arms. Blasting and painting works through to hydro testing
- Install four agitator tanks and two storage tanks, minimum 18m high and 18m diameter (approx. 500T each) at the concentrate storage area on the cape. Install six agitator tanks at the concentrator area and two agitator tanks at the tailings area
- Combination of bulk earthworks, concrete and steel erection works. Construction of concrete foundations, plinths, footings and associated ground works
- Fabrication, testing and installation of over 13km of buried pipework, including all civil and trenching works to complete the installation

Client: MCC Mining

Location: Cape Preston, WA

Duration: 30 months

Completion: June 2012

Value: \$240M



PROJECT HIGHLIGHTS

Personnel on Site: 350

Manhours: 1,106,381

Concrete: 51,000m³

Earthworks: 720,000m³