



## SAMSUNG C&T - Roy Hill Package 1

**LOCATION**  
Pilbara, WA

**DURATION**  
Jul 2014 - Jan 2016

**VALUE**  
\$164.8 million

**MAN HOURS**  
1,162,000

### Project Overview

The Roy Hill Project includes a new iron ore mine at the Roy Hill deposit, a mine process plant, a heavy haul railway system from mine to port and new port facilities at Boodarie Industrial Estate, south west of Port Hedland, Western Australia.

The mine, rail and port facilities are designed to produce 55 million tonne per annum (mtpa) of hematite direct ship ore as lump and fines. The development includes outloading and inloading circuits, new berths, shiploaders, reclaimers, stacker, train unloaders, conveyor systems, transfer stations, sample stations, power and control systems and associated infrastructure.

Roy Hill's EPC contractor, Samsung C&T, has contracted ECM to provide the electrical and instrumentation (E&I) installation works for the construction of the mine process plant facilities.

### Scope of Work

- Site-wide reticulation of HV and fibre optic cabling.
- Installation of switchrooms, control rooms and communication systems.
- Installation of control equipment and process instrumentation.
- Installation of LV, control and communications cabling for switchrooms, crushers, transfer stations, conveyors, wet plant, stackers and reclaimer.
- Erection of structural steelwork cable support systems.
- Inspection, testing, pre-commissioning and commissioning of all the electrical installation for Package 1.