

Roy Hill Mine Tertiary Crushing Circuit

Situated approximately 115 kilometres north of Newman, Roy Hill is a world class, low phosphorus, Marra Mamba iron ore deposit located in the Pilbara. The processing plant will utilise low risk, proven technology to process 55Mtpa (Wet) of lump and fines iron ore and will be the largest single feed processing plant in the Pilbara region. SMP Engineering (SMP) was awarded a subcontract by Thiess to construct the Tertiary Crushing facilities, main shuttle truss and associated feed conveyers at the mine processing plant.

SMP rapidly mobilised a complete project team including Package Manager, Site Superintendents, Engineers, QA/QC, Supervision, HSE, Administration support, multidiscipline crew of 100, plus 4 x tooling stores, 6 x light vehicles and specialised welding equipment. SMP were responsible for all Structural, Mechanical and Piping installation works of the tertiary and conveyor circuit (as per photo below).



"We had an extremely aggressive schedule and needed SMP to hit the ground running. SMP brought in a known project crew who worked well with the greater project team to deliver the Tertiary Crushing Area."
Robert Glew – THIESS - Construction Director– Roy Hill Project

Call the team at SMP Engineering for all your structural, mechanical and piping needs on 9412 8000. More project case studies can be viewed at www.smpeng.com.au

Project Key Facts

Project Owner

Roy Hill

Project

Roy Hill Iron Ore

Client

Thiess Pty Ltd

Value

~\$20M AUD

SMP Scope

Subcontract for construction of structural, mechanical and piping for tertiary crushers, conveyors system and shuttle truss.

Project Scope and Outcome

- + Complete management of structural, mechanical and installation of OEM supplied equipment
- + Structural module installation with the heaviest dual lift being 310 tonne
- + Operation of cranes and rigging works
- + Work pack development
- + Piping engineering team
- + Quality system preparation and maintenance
- + Completions and Close-out engineering services.

Structural+Mechanical+Piping+Engineering