

## RGP5 Yandi Primary and Secondary Crushing Circuit

The Yandi LRP (Laing O'Rourke, RCR, Positron) JV Project forms part of the Rapid Growth Project 5 (RGP5) at BHP Billiton Iron Ore's Yandi Mine. The Yandi mining area is located approximately 350km south of Port Hedland and 180km north-west of Newman in the Pilbara region of Western Australia.

The LRPJV RGP5 project consists of twin crushing, screening and material handling circuits. The project is a design and construct, with a focus on plant being modularised prior to delivery to site minimise site install time and resources.

SMP Engineering scope included being involved in the offshore fabrication, and supporting the project on site by supplying a 40 man team for site installation. The installation team consisted of a Superintendent, three supervisors and crews of various trades and skills depending on specific scope requirements.



Paul Milne - LRPJV Project Director provided the following feedback. "SMP Engineering provided great support to our team on this project. Their quality Supervision and Engineering resources allowed us to utilise them in various areas. They had a great focus on Zero Harm and I would recommend them as a good resource to utilise as either integrated or stand-alone supporting a larger project".

### Contact Us

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](http://www.smpeng.com.au)

### Project Key Facts

**Project Owner**

BHP Billiton Iron Ore

**Project**

RGP5 Yandi

**Client**

Laing O'Rourke (LRP JV)

**Value**

~\$160M AUD

**SMP Scope**

SMP Installation, Engineering and quality support

### Project Scope

The team was responsible from the initial development of work packs through to the punch listing and sign off with the Client.

The site crew scope included:

- + Conveyor install (stick steel and modules)
- + King ping gantry assemblies and erect
- + ROM Bin install and fit out
- + Installation of conveyor drives
- + Running and fitment of pipe services
- + Installation of take up tower
- + Shedders
- + Transfer station
- + Crusher buildings

### Project Outcomes

- + Incident Free
- + Professional team
- + Quality Product

Structural+Mechanical+Piping+Engineering