

PORGERA PASTE PLANT PROJECT

PROJECT OVERVIEW

The Barrack Gold Porgera project was a joint venture operation located at an altitude between 2,200 and 2,700 metres in the Enga Province at the highlands of Papua New Guinea.

The mine is positioned 130 Km west of the established town of Mt Hagen and 600 Km northwest of Port Moresby.

To gain access to the mine meant a 680 Km road trip from the coastal port of Lae, this created its own logistical challenges as all project materials and supplies had to be transported to site by road.

The remote and inaccessibility of the location brought about its own unique problems, especially the procurement and delivery of all electrical and instrumentation items from Australia by container to site.

From the outset this required precision timing and planning to ensure that the project ran smoothly to meet project deadlines.

The highly skilled and professional team from **PAN PROCESS** project come together.

Client

Barrack Gold

Mechanical Contractor

Sun Engineering

Total Value

\$3.4 million

Project Completion

July 2011

Summary

Design, Engineer and Construct Project

SCOPE OF WORK

The principal was responsible for providing the preliminary engineering, design and PLC programming for the electrical installation.

PAN PROCESS carried out the completion of the design and the installation and commissioning of the complete plant including all motors, control systems, light and power, instrumentation, cable, cable tray, underground conduit, plant pneumatic control systems.

In addition to the main plant **PAN PROCESS** completed the overhead High Voltage reticulation including the installation and commissioning of the associated transformers and switchgear as well as a complete Fibre Optic installation for the security and communications systems.

PAN PROCESS mobilised an expatriate project management team and a work force of 30 PNG national electrical workers to site.

There were a total of 38,000 manhours worked on the project with no lost time due to injury and no significant incidents recorded, a testament to **PAN PROCESS'** commitment and philosophy to safety in the work place.



AUTOMATION AND CONTROL

With a strong background in automation and control systems the **PAN PROCESS** ensured that final commissioning and running of the paste plant performed to the original design parameters.

PROJECT SERVICES

PAN PROCESS provided a project team that completed the job before time and under budget.

We are proud of the performance of the PNG national work force on site and the final report and references provided by Barrick Gold for the work undertaken by **PAN PROCESS** on this project, demonstrating our ability to provide quality work to Australian standards and a first rate safety performance.

Other Services:

- Project Schedules and Budgets
- Project documentation including HSEQ Management plans.
- Risk Management Plans.
- Commissioning Plans and specific ITP's for work packages.
- Preparation and submission of pre-commissioning procedures.
- Wet and Dry load commissioning and submission of commissioning reports.

