

**Power Station
Control System
Integration
Commissioning
Startup
Synchronisation**

**Customer**

First Quantum Minerals Ltd

Location

120 km west of Panama City,
Panama

Plant Details

Paco plant
Cobre Panama Power Station

I/O Count

17,000

Control System

Emerson Ovation
Allen-Bradley PLCs

Project Overview:

The Paco plant is a 300MW coal fired power station with sea water cooling consisting of 2 x 150MW turbines. This plant will provide base load to the Panamanian national grid and supply the Cobre Panama mine and mineral processing plant. The site is 120km west of Panama City, remote from local support and presenting challenging logistics as well as climatic conditions. The site has required development of access, full port facilities, coal handling, and complete power station construction along with local camp, administration and warehousing.

Mipac Scope:

- Control System integration on site
- Construction support
- Control System Commissioning
- Power Station Startup
- National grid synchronization
- Control System Support

Project Highlights:

- Mipac's project team has interfaced across vendors, EPCM and construction organisations in this challenging location to integrate the control system to achieve commissioning, power station startup and synchronization and delivery of power to the National grid
- First power from set 1 through to stable continuous 75MW production
- Operational support and production development continues for set 1
- Commissioning, startup and first power continues for set 2