

Xstrata Zinc



Mount Isa Zinc Concentrator

Fast Facts

Customer:
Xstrata Zinc

Location:
Mount Isa, Australia

Project:
Advanced Control Strategies
to optimise Zinc
Concentrator operations;
Csense® implementation

Date:
April - September 2008

Plant Details:
Zinc concentrator including
rod & Ball Grinding Mills,
SAG Mill, ISA Mill fine Grind
and flotation.

Control System:
CSense® rapid process
troubleshooting



Project Overview:

MIPAC has been engaged by Xstrata Zinc to automate and optimise key processes in its Mount Isa Zinc Concentrator with the provision of an advanced control solution that integrates with existing systems and leads to a significant improvement in throughput and recovery of precious metal.

The project is specific to the processes in the Zinc Concentrator in Mount Isa and will apply advanced control strategies to stabilise control and manage (optimise) throughput for grinding (Rod & Ball Mills, SAG Mill & ISAMill Fine Grind) and flotation.

MIPAC Scope:

- Analyse the plant to gain insight into operational strategies
- Shape control systems to address plant wide issues
- Tailor the CSense control system to address plant demands

Results:

- When complete, these advanced control strategies will improve operations by stabilising production, allowing the plant to operate consistently at optimum capacity, leading to a higher quantity of high grade recovered precious metal.
- Xstrata operational staff will have access to early, relevant analysis with real-time provision of data that highlights plant wide production and operational information.