

01 | Case Study

Implementing a technology architecture for an IOC

Business Opportunity

The operation of two significant mining operations of our client (a large international natural resources corporation) requires their control rooms to be integrated into a single integrated operations centre (IOC), operating in cities distant from the site, where significant improvements can be achieved through process integration.

Solution

Vantaz developed, through a technology architecture, functions and processes delivered in operation with potential for remotisation/integration into the IOC:

- › The various enabling technologies of the operational processes were lifted.
Example:
 - › Mine Dispatch
 - › Crushing and Conveyor Belts
 - › Concentrator Plant
 - › SX/EW Plant
 - › Mine pipeline
 - › Port
- › Developed a design and technology architecture in conjunction with the various vendors to satisfy an integrated, seamless operation for operational continuity.
- › Project execution, closure and handover to operation.

Results

- › Execution of the project without interruptions in a record time of 18 months.
- › 100% of operations operating in real time, in 7x7 shifts from Santiago.
- › Improvements in the integration of operations.
- › Improved use of IOC operators' time on new functionalities.