

CASE 1: Implementation of a technological architecture for an IOC.

Business opportunity:

The operation of two significant mining operations owned by our customer (a major international natural resources corporation) required its control rooms to be integrated into a single integrated operations centre (IOC), to operate in cities far from the site, where significant improvements can be made through process integration.

Solution:

Through technological architecture, Vantaz identified functions and processes provided in operation, with the potential to be operated remotely/integrated with the IOC:

- Different enabling technologies were identified in the operational processes. For example:
 - Mine Dispatch
 - Crushing and Conveyor Belts
 - Concentrator Plant
 - SX/EW Plant
 - Mine Line
 - Port
- Technological architecture and design were developed in conjunction with diverse vendors to meet the needs of an integrated operation, without producing defects in operational continuity
- The project was carried out and the operation was closed and transferred



Results:

- Uninterrupted project implementation in a record 18 months
- 100% of operations operating in real time, in 7x7 shifts from Santiago
- Improvements in integrated operations
- Improvements in the use of the IOC operator time in new functions