

03 | Case Study

Upgrade and technological refreshment of a Desalination Plant

Business Opportunity

The Desalination Plant Control System of a large mining operation had reached its useful life and was in need of an upgrade in terms of its technology solutions, with a complete overhaul in terms of IT/OT hardware and software. This will provide the business continuity that the operational process requires.

Solution

Vantaz provided a revamped, current and highly available technology solution. This is the company's first control system upgraded to a higher version that includes changes to the technological architecture.

The main points of focus were:

- › High-level and detailed engineering for the IT solution
- › QA/QC to maintain the solution with FAT-SAT protocol testing
- › IT/OT Advisor, Consultancy and Project Management for IT/OT.
- › New implementation of the control network
- › Procurement, workshops, reporting and KPI management.

Results

- › Increased operational continuity.
- › High availability and process performance.
- › Faster response times with convergence virtualisation architecture.
- › Alignment with industry and company technology best practice standards.
- › Achieve a dedicated OT solution separate from corporate IT resources.
- › Improved governance and accountability of assets and services.