

VANTAZ PRODUCTIVITY SUPPLY CHAIN EXPERIENCE

VANTAZ OPPORTUNITY/IDENTIFICATION/DEFINITION/EXECUTION SOLUTION | Development of Bidding Terms for Autonomous Trucks Pilot

Asset: Minera Escondida

Business Opportunity:

The Projects VP at BHP Minerals is reviewing its assets and services for the operation of its mobile and semi-mobile equipments to improve its efficiency and capacity levels. In order to do this, the Directional Studies area was tasked with evaluating autonomy solutions for its equipments (trucks and drills) at Minera Escondida, which included developing pilot tests.

Solution:

Vantaz developed the commercial and technical bidding terms to search for an autonomous trucks pilot. The main focus points were:

- Technical and strategic advice for the client's team
- Develop the bidding terms to choose the supplier with the best conditions to implement the pilot
- Analyze the growth to a scalable services model at the end of the pilot
- Define the suppliers' selection and evaluation process to improve the quality and cost of current services
- Define agreements that guarantee the quality with service levels that are acceptable, measurable and feasible to comply with

Main Achievements:

1. Development of bidding terms (autonomy pilots and tests) integrating specialists from every area of interest
2. Budget definition and sizing of technologies that enable, complement and need autonomy systems to operate
3. Development of tests' plan in supply, technology, mining operational and maintenance and safety

