

03 | Case Study

Development of tender terms for an autonomous truck pilot.

Business Opportunity

Our client's Projects department began a process of reviewing its assets and its mobile and semi-mobile equipment in order to improve efficiency and operational capacity. The Vantaz Directional Studies team was engaged to evaluate and pilot automation of the equipment (trucks and drills) in the main operation.



Solution

Vantaz developed the technical and commercial terms of tender to develop a pilot with autonomous trucks. The main points considered were:

- › Technical and strategic advice to the client's team.
- › Development of the tender terms to select the supplier with the best credentials to implement the pilot.
- › Analysis of the growth of the service model to make it scalable at the end of the pilot.
- › Definition of the supplier selection and evaluation process to improve the quality and decrease the cost of the current services.
- › Definition of agreements to guarantee the quality of service, which had to be acceptable, measurable and feasible to be fulfilled.

Results

- › Development of tendering bases (for pilots and autonomy tests) integrating specialists from all areas of interest.
- › Definition of budget and dimensions of the technologies needed for the operation of the autonomous systems.
- › Development of a test plan for supply, technology, operational mining, maintenance and safety.



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