

CASE 3: Development of tender terms for an autonomous truck pilot project

— Business opportunity:

Our customer's VP of projects began a process to review its assets and the services provided by its mobile and semi-mobile equipment to improve its efficiency and operating capacity. To do this, it entrusted the directional studies area to assess the autonomy of the equipment (trucks and drills) in their primary operations, a process that included pilot testing.

Solution:

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

- Technical and strategic advising for the customer's team
- Development of the tender terms to select the supplier with the best credentials to implement the pilot project
- Growth analysis of the service model to make it scalable at the end of the pilot project
- Definition of the supplier selection and evaluation process to improve the quality and reduce the cost of current services
- Definition of agreements to guarantee service quality, which must be acceptable, measurable, and feasible



Results:

- Development of the tender terms and conditions (for pilot projects and autonomy testing), which integrate specialists from all areas of interest
- Definition of budget and dimensions of the technologies necessary for operation of the autonomous systems
- Development of a testing plan for supply, technology, operational mining, maintenance, and safety