

02 | Case study

Shovel and Trucks Replacement Strategy

Business opportunity

Approximately 50% of costs at our cliente (a big Copper Mining Operation) are generated by trucks. To reduce these, the company is implementing a replacement strategy program, using performance tests to analyze trucks from 3 suppliers on site for a given period of time. These analyses must be undertaken by a highly qualified team that can assess and select the best business partner.

Solution

- › Develop testing protocols.
- › Carry out and supervise performance tests.
- › Create formats for analysing the data generated, considering the target variables of interest.
- › Supervise maintenance activities and their relationship to the performance test.
- › Establish a quantitative comparison of truck performance for the main variables that affect costs: Truck speed, load factor and diesel consumption.

Results

- › In its implementation stage, the project has concluded within the budgeted costs and time frame. The only delays were specifically associated with the effects of the Covid-19 pandemic.
- › The indicators agreed upon with the customer were obtained (performance measurements of equipment in terms of speed, fuel and load factor).
- › With the compiled information, the customer will define the fleet renovation for the next few years.

