

Forecasting equipment productivity

Improving asset and engineering productivity



Goal

A global mining firm faced a strategic imperative to improve productivity within its mining assets.

Its goal was to improve forecasts for fleet needs and daily production levels.

Insight and Action

QuantumBlack used fleet management, work metrics, and production data to understand disparities in performance across assets, operation, and fleets.

Using analytics, we linked certain process and maintenance delays to production and uncovered ways to identify, explain, and improve performance. We found, for instance, a relationship between supervisor absence, lower compliance to scheduled maintenance, and increased unscheduled maintenance.

We found evidence indicating that too much preventative maintenance on new equipment could negatively affect uptime and productivity.

Results

5%

Ability to forecast daily equipment production within 5%, 90% of the time