

INTELLIGENT EQUIPMENT MAINTENANCE & INSPECTION CONTROL FOR MINING

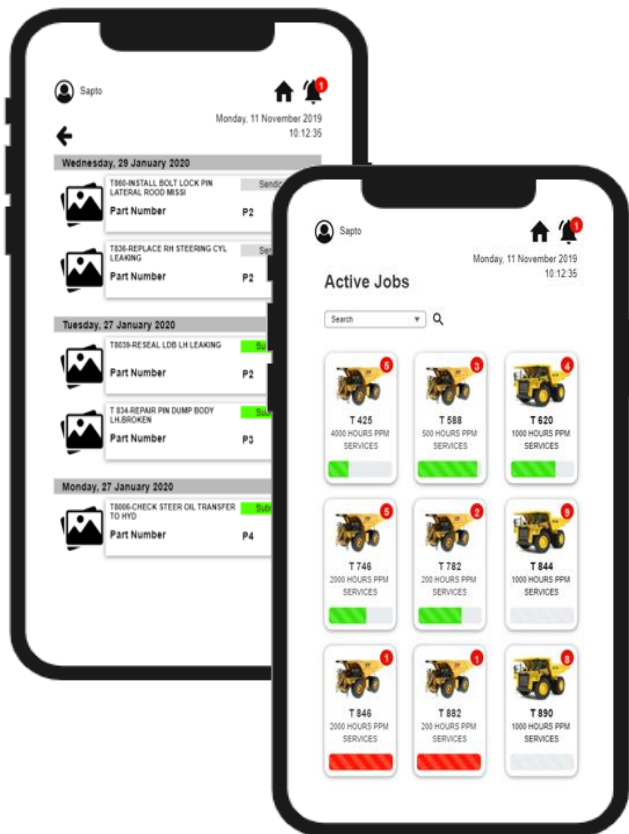
With Arcstone's solutions, a leading mining company successfully leverages operational data to improve preventive maintenance where its equipment can operate more efficiently around the clock with minimal downtime.

Challenges

Mining companies continuously face challenges to keep the equipment functioning, as unexpected downtime could be devastating to operations. Our Client, a leading coal mining company in Indonesia, faced the same hurdle in tracking and managing their heavy machinery. Their site spanning over 80,000 hectares with 10,000 trucks posed a significant maintenance planning and inspection headache. Often the equipment were out of action as the maintenance process was highly reactive.

Our Solutions

By understanding the situation, Arcstone deployed a bespoke mobile app enabling technicians to monitor the work orders in real time, which added additional efficiency to operators on the ground. With the application, the Client has seen improvement in their equipment reliability with trucks operating more effectively with little downtime.



Preventive Maintenance



Monitored the maintenance scheduling and execution against the target. Enabled technicians to know exactly when a unit should be scheduled for maintenance.

Inspection Digitalization & Optimization



Replaced manual checklist input with digital checklists on mobile app. Reduced inspection time while optimizing false indications through real-time view into unit conditions.

Resources Allocation & Production Visibility



Enabled the Client with real-time view of tasks progress and resources allocation allowing to monitor, compare and optimize individual performance.

Equipment Optimization



Using the historical data, miners can identify root causes of equipment failures to schedule proactive inspection and avoid surprise breakdown.