ARCSTONE

EQUIPMENT MAINTENANCE SYSTEM

Maximize production efficiency by reducing unplanned downtime and increasing equipment reliability

Arcstone's Equipment Maintenance System allows mining companies to easily manage their on-site equipment and vehicles, providing visibility to execute preventative and predictive maintenance. Arcstone's solution will enable you to maximize machinery availability, while improving equipment safety.

Key Features

Equipment Maintenance System

Comprehensive, preventive & predictive maintenance toolset, provides the ability to manage, schedule and execute on maintenance programs for thousands of machines
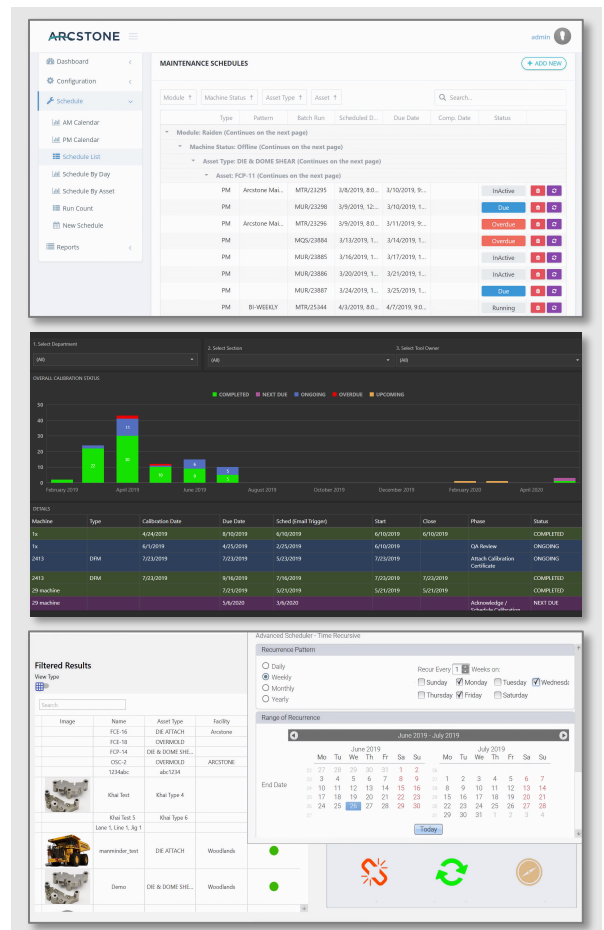
Integrated Asset Management

Provides factory wide visibility into equipment details and allows users to manage the full asset lifecycle in order to guide intelligent strategic planning

Real-time Alerts

Customizable tiered alarms and triggers for email, onscreen and SMS notifications allow maintenance alerts based on meter readings, hours used, fuel used, specific dates and more

Why Arcstone?

Arcstone is at the forefront of helping manufacturers gain better visibility and optimization of their production processes through digitization. We are committed to continuously improving our Equipment Maintenance System, giving our customers confidence operations will not be halted unexpectedly due to faulty equipment

INTELLIGENT EQUIPMENT MAINTENANCE & INSPECTION CONTROL FOR MINING

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

Challenge

Mining companies face constant challenges to maintain the equipment function without fail, unexpected downtime could be devastating. The Client, one of the leading coal mining companies in Indonesia, wanted a solution to track and manage their heavy machinery. The site spanned over 80,000 hectares, with over 400 vehicles. This posed a significant headache for maintenance planning and inspection. Due to the reactive nature, very often the equipment were out of action.

Solution

By understanding the situation, Arcstone developed a bespoke mobile app, enabling the technicians to monitor work orders in real-time. This increased efficiency to operators on the ground. Our client has seen the improvement in their equipment reliability, trucks can now operate more effectively with reduced downtime.

Preventive Maintenance

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

Inspection Digitalization & Optimization

Replacing manual checklist with digital checklists, utilizing the mobile app. Reducing inspection time while optimizing false indications, through real-time view

Resources Allocation & Production Visibility

Enables real-time view of tasks progress and resources, while allocation of manpower can provide visibility of performance for team members

Equipment Optimization

Using historical data, operators can identify root causes of equipment failures, leading to proactive inspection and a reduction of surprise breakdowns

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