

OPTIMIZE MAINTENANCE PLANNING WITH ARCSTONE'S MES SOLUTION

With Arcstone's smart toolsets, a leading semiconductor manufacturer successfully transformed its maintenance operations and asset management from a manual to a fully automated system.

Challenges

There was a significant need to simplify and automate the maintenance and asset management processes at the Client's semiconductor plant. The Client struggled to manage thousands of machines across several factory sites. The process of maintaining machines was manual, time consuming and paper-based, leading to data entry errors and inefficient practices.

Our Solutions

To increase the maintenance efficiency, the Client adopted Arcstone's Intelligent Equipment Maintenance mobile application that allowed technicians to record and track maintenance activities and machine performance in real time without leaving their workstation. As a result, the Client successfully cut down indirect workload by 14%, while increasing maintenance planning and efficiency.



Asset Digitization & Optimization



Fully digitized checklists, scheduling, operations and actions performed on tens of thousands of machines across multiple sites. Replaced all paperwork with direct machine data for continuous improvements.

Smart Equipment Maintenance System



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

Personnel Management & Optimization



Enabled real-time view of each task's progress and resources, while allocation of manpower provided visibility of performance for team members.

Real-Time Maintenance Dashboards



Empowered the Client with real-time visibility of all maintenance KPIs through Arcstone's Dashboard Designer module, which enabled paperless operations and data-driven decision making.