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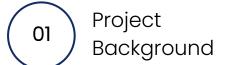
PM (Preventive Maintenance)

Powered by Df-OS (Digital Factory Operating System)





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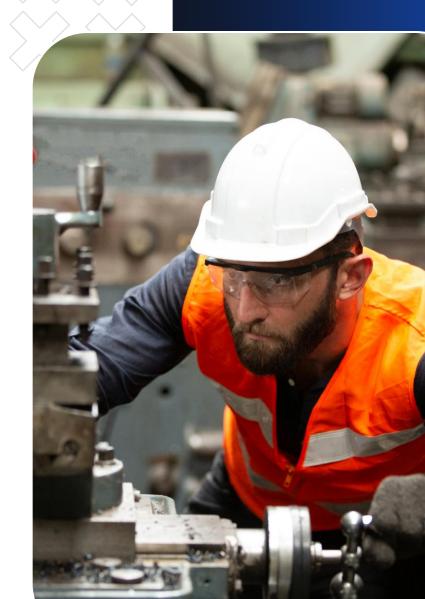


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Problem Statement

Before the implementation of Df-OS, the paper-based Preventive Maintenance system suffered from multiple inefficiencies, including delayed task execution, missed maintenance schedules, and challenges in tracking equipment history.

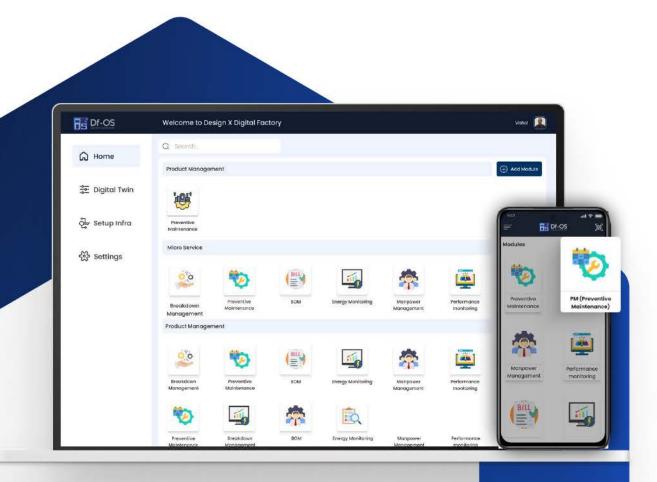
These issues led to **increased downtime**, higher equipment failure rates, and elevated operational costs. The absence of a centralized monitoring system hindered timely interventions and data-driven decisions regarding equipment health. With Df-OS, these challenges have been addressed, providing real-time visibility into maintenance activities.





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Proposed Solution

- Digital Workflows: Replace paper-based forms with digital checklists and procedures.
- Automated Scheduling: Set up predefined schedules for PM tasks based on their monitoring frequencies.
- Real-Time Monitoring: Integrate machine sensors for real-time health monitoring, automatically flagging potential issues.
- Centralized Data Management: Store maintenance history, logs, and reports centrally for quick access and analysis.
- Automated Alerts & Notifications: Notify teams of upcoming maintenance tasks or when specific thresholds are exceeded.
- KPI Tracking & Reporting: Track key metrics like Mean Time Between Failures (MTBF) and generate reports for performance analysis.

Process Flow











PM Deployment

Digital PM Execution

Task Allocation & Follow-up Actions

Action Reviewal and PM Approval

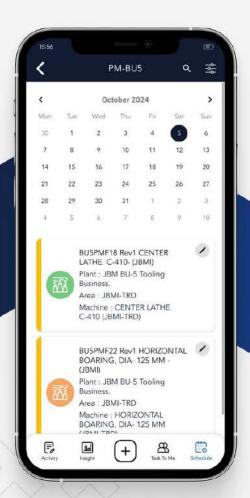
Real Time Monitoring

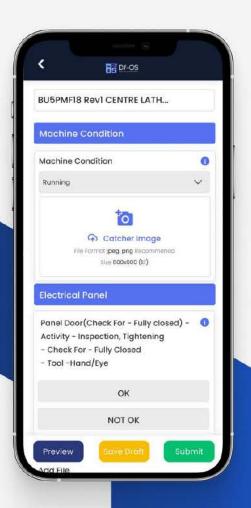




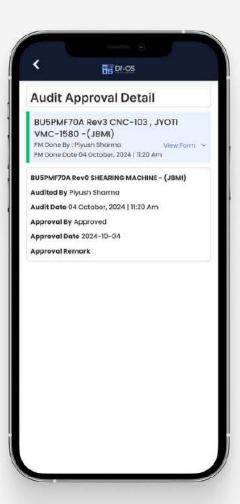


User Interface









Key Results



Reduction in equipment downtime: Improved tracking and timely interventions through Df-OS have led to fewer equipment breakdowns.



Improvement in maintenance task completion: Automated scheduling and reminders via Df-OS have significantly increased the percentage of on-time task completions.



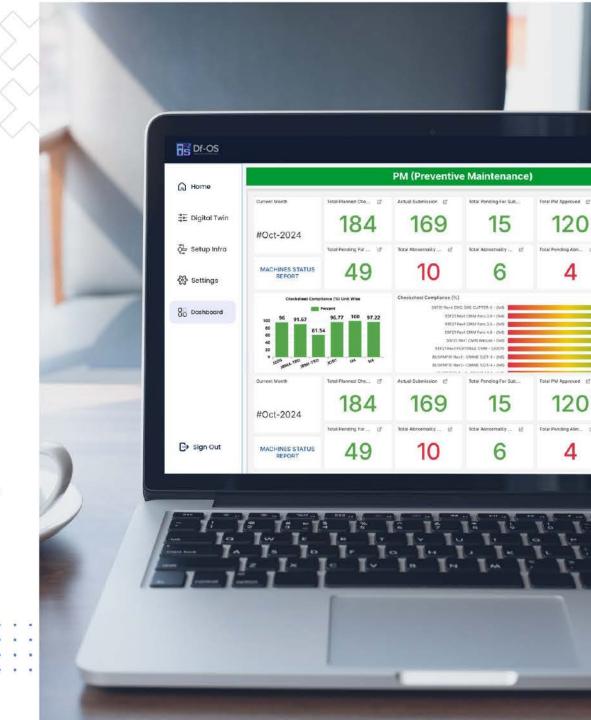
Real-time visibility: Maintenance managers now gain real-time insights into ongoing activities, enhancing accountability and reducing delays.



Enhanced equipment lifespan: Regular and timely maintenance facilitated by Df-OS has extended equipment life, reducing the need for costly replacements.



Data accuracy improved: Digital logging of maintenance activities within Df-OS has eliminated manual entry errors, ensuring accurate historical records.



° ° ° Benefits





Improved operational efficiency



Reduced unplanned downtime



Real-time data monitoring



Better decision-making



Increased equipment reliability



Seamless remote platform accessibility

Contact Us

Unlock the transformative potential of Df-OS for your factories and operations. Connect with us today via phone, email, or LinkedIn to learn more!



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