Smart Factory MOM

OEE Module

Maximize Equipment Efficiency. Minimize Downtime.
Drive Continuous Improvement.



Overview

The OEE module of Smart Factory MOM enables manufacturers to monitor, measure, and optimize overall equipment effectiveness in real time across the shop floor.

It transforms raw machine data into actionable insights, helping organizations identify losses, improve availability, enhance performance, and ensure consistent product quality.

Key Challenges in OEE Monitoring

Modern manufacturers often struggle with:

- Manual data collection and inaccurate reporting
- Lack of real-time visibility into machine performance
- Untracked production losses across shifts and machines
- Delayed decision-making due to fragmented data
- Inconsistent OEE calculations across plants
- Inability to identify root causes of downtime

Smart Factory MOM OEE Monitoring Software

Smart Factory MOM OEE module provides a comprehensive, real-time monitoring system that enables manufacturers to:

- Track availability, performance, and quality in real time
- Automatically capture production and machine data
- Identify downtime losses with root cause analysis
- Improve production efficiency with actionable insights
- Standardize OEE measurement across the organization

Key Features

1. Real-Time OEE Monitoring

Track OEE metrics across machines, lines, and plants in real time with live dashboards, enabling immediate visibility into production performance.

2. Performance & Quality Tracking

Monitor cycle times, speed losses, and quality metrics to ensure optimal machine performance and consistent output quality.

3. Automatic Data Collection

Capture machine signals and production data automatically, eliminating manual entry errors and ensuring accurate and reliable data.

4. Loss Visualization

Visualize the six big losses and other production inefficiencies through intuitive dashboards for better decision-making.

5. Downtime Tracking & Analysis

Identify planned and unplanned downtime with detailed categorization, helping teams understand losses and take corrective action.

6. Customizable Dashboards & Reports

Access role-based dashboards and detailed reports tailored to operators, supervisors, and management for better insights.

7. Root Cause Analysis

Analyze the underlying causes of performance losses and breakdowns to enable continuous improvement and reduce recurring issues.

8. Alerts & Notifications

Receive real-time alerts for downtime, performance drops, or quality issues, enabling immediate response and minimizing impact.

Key Benefits

1. Improved Equipment Availability

Minimize downtime with real-time monitoring and faster response to machine issues.

2. Data-Driven Decision Making

Leverage accurate, real-time data to make informed operational decisions.

3. Enhanced Production Efficiency

Identify and eliminate performance losses to maximize throughput and operational efficiency.

4. Standardized OEE Measurement

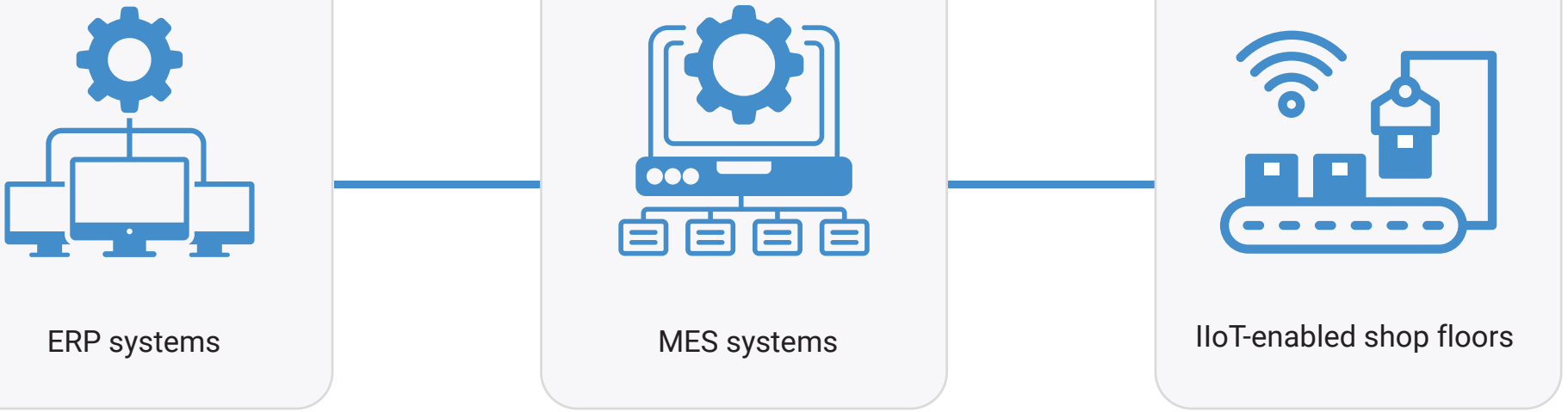
Ensure consistent OEE tracking across multiple plants and production lines.

5. Better Quality Output

Track and control quality losses to reduce defects and improve consistency.

Seamless Integration

The Smart Factory MOM OEE module integrates effortlessly with the following, ensuring end-to-end visibility from machine-level data to enterprise-level insights:



Take Control of Your Manufacturing Performance

Unlock the full potential of your shop floor with real-time OEE monitoring and continuous improvement.

Request a Demo

