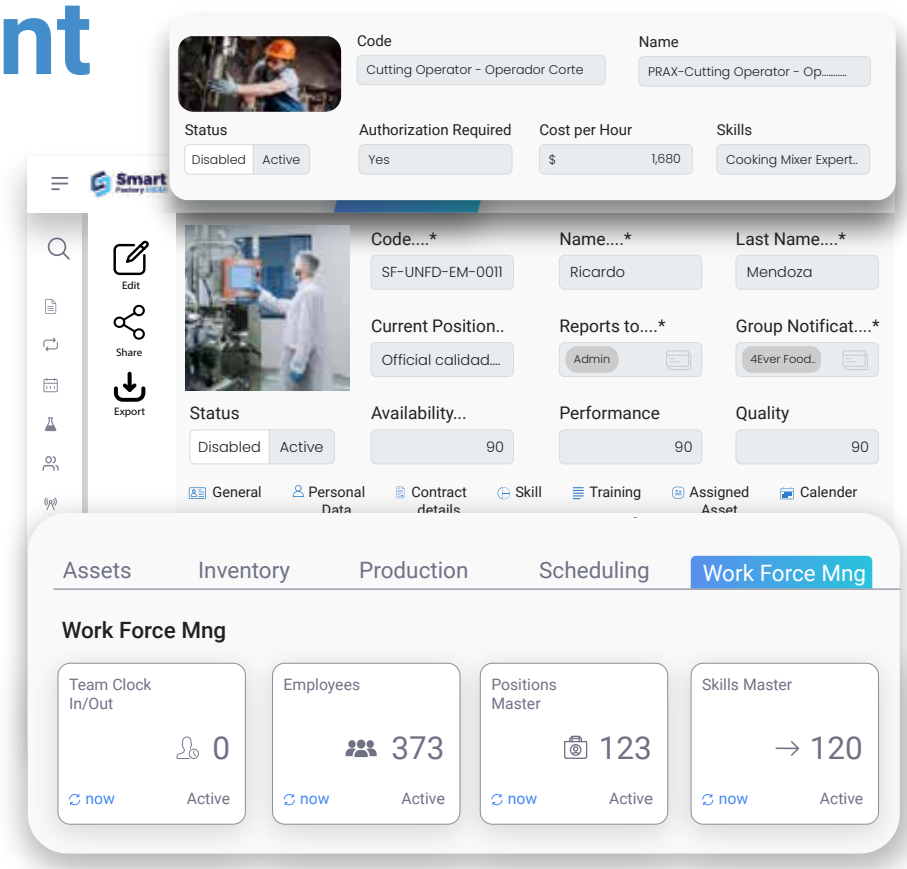
Smart Factory MOM
Workforce Management Module

Execute with Precision. Optimize Workforce Performance. Improve Productivity.



Overview

The Workforce Management module of Smart Factory MOM enables manufacturers to efficiently manage, monitor, and optimize workforce operations on the shop floor in real time.

It connects people, processes, and production systems, ensuring the right skills are aligned with the right tasks, improving productivity, accountability, and overall operational efficiency.

Key Challenges in Workforce Management

Modern manufacturers often struggle with:

- Limited visibility into workforce productivity and performance
- Manual tracking of labor activities and attendance
- Skill mismatches that impact production efficiency
- Lack of standardized work instructions and execution
- Inefficient workforce allocation across shifts and operations
- Difficulty in tracking operator performance and accountability

Smart Factory MOM Workforce Management Software

Smart Factory MOM Workforce Management module provides a digital framework that enables manufacturers to:

- Monitor workforce performance in real time
- Optimize workforce allocation based on skills and availability
- Digitize and standardize shop floor operations
- Track operator activities and productivity
- Improve coordination between the workforce and production systems

Key Features

1. Real-Time Workforce Tracking

Monitor operator activities, attendance, and task execution in real time to gain complete visibility into workforce performance.

2. Skill-Based Workforce Allocation

Assign the right operators to the right tasks based on their skills and qualifications, ensuring optimal productivity and reduced errors.

3. Digital Work Instructions (eSOPs)

Provide operators with step-by-step digital instructions to standardize processes, reduce reliance on manual training, and improve execution accuracy.

4. Operator Performance Monitoring

Track individual and team performance metrics to identify areas for improvement and drive accountability across the shop floor.

5. Shift & Workforce Planning

Plan and manage workforce allocation across shifts efficiently to ensure smooth production flow and eliminate resource gaps.

6. Task & Activity Tracking

Capture and monitor operator-level activities to improve transparency and ensure efficient execution of production tasks.

7. Integration with Production Systems

Align workforce operations with production, scheduling, and machine data to ensure coordinated and efficient operations.

8. Workforce Analytics & Reporting

Generate insights into workforce utilization, productivity trends, and performance that support continuous improvement.

Key Benefits

1. Improved Workforce Productivity

Optimize workforce utilization and ensure the right resources are deployed effectively across operations.

2. Enhanced Operational Efficiency

Streamline workforce processes and eliminate inefficiencies caused by manual tracking, poor coordination, and disconnected systems.

3. Better Execution Consistency

Standardize operations with digital instructions to reduce variability and improve product quality and process consistency.

4. Increased Visibility & Accountability

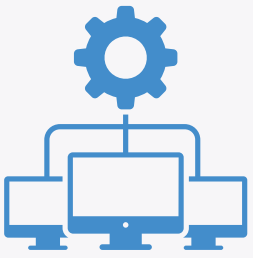
Gain real-time insights into workforce performance and ensure accountability at every level.

5. Reduced Skill Gaps & Errors

Align tasks with operator skills and provide guided execution to minimize errors and improve production quality.

Seamless Integration

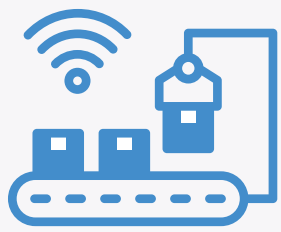
The Workforce Management module integrates seamlessly with the following to ensure complete synchronization between workforce, machines, and production processes for a fully connected manufacturing environment:



ERP systems



MES and Scheduling modules



IIoT-enabled shop floors



OEE and production monitoring systems

Build a Smarter, More Productive Workforce

Track operator performance, improve execution, and maximize workforce efficiency with Smart Factory MOM Workforce Management module.

Request a Demo

