

# Manufacturing Execution System in IFS Cloud



Enables manufacturers to digitally transform shop floor processes; use real-time data to improve machine uptime and product quality.

There's never been a greater opportunity for manufacturers to leverage the production shopfloor as a true business differentiator. Machine throughput and efficiency, in combination with product quality and meeting customer SLAs, are all critical measures of success that tie directly back to optimized shopfloor processes.

To drive these metrics forward and create competitive advantage, leading manufacturers are turning to solutions that are industry-focused and have a real depth of capability.

Manufacturing Execution System (MES) in IFS Cloud provides the technology foundation to enable smart factories. As one part of a total solution includes Manufacturing Operations Management, MES in IFS Cloud lets manufacturers connect and capture shopfloor data quickly, enabling automated production reporting and quality control. The solution converts real-time data into business-focused insights from all connected machinery and equipment, regardless of manufacturing process or mode.

## Benefits

MES in IFS Cloud offers tangible benefits as part of a total manufacturing solution. Reduce IT complexity through MES in IFS Cloud, or simply integrate IFS Cloud with your existing third-party MES system.



### Accelerate decision making

Use real-time insights and analytics from the shop floor, such as the root cause of machine downtime, to enhance asset utilization and improve production processes.



### Improve throughput and quality

Adjust machine settings based on real-time feedback to drive continuous improvement, such as optimizing the production plan.



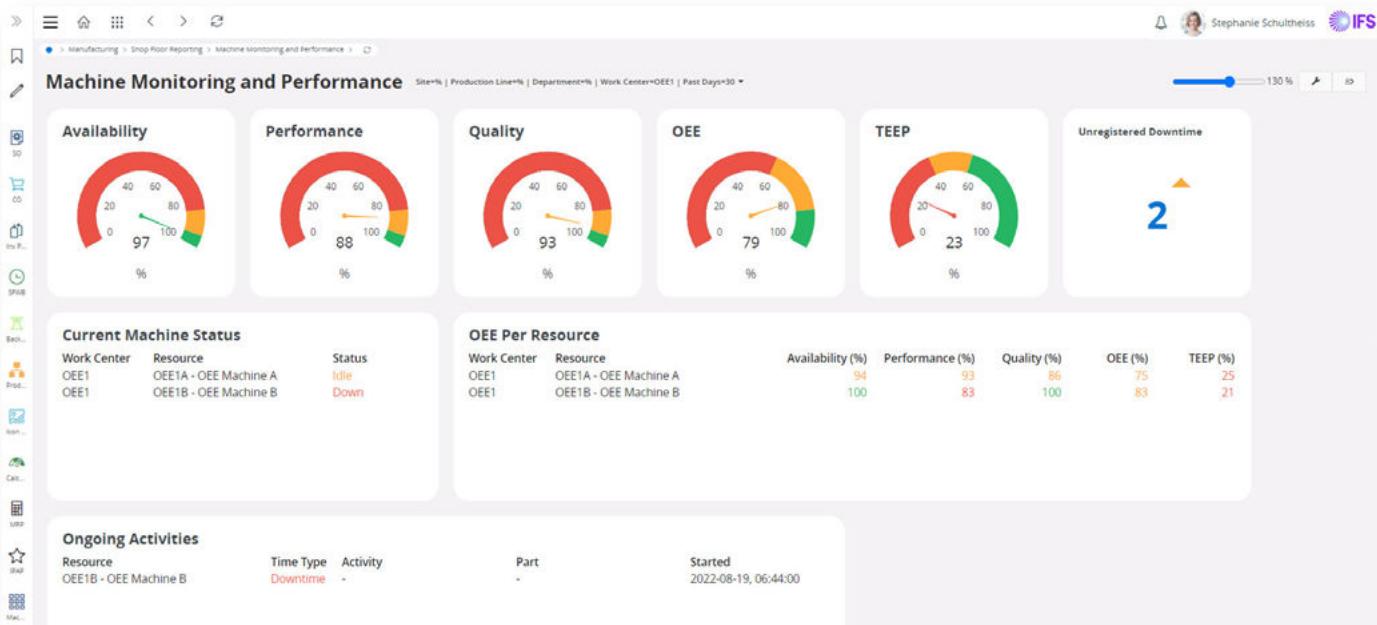
### Quickly identify patterns from comparative data and take preventive actions

Analyze comparative data to discover and predict future issues before they happen, helping to move from scheduled to predictive maintenance plans.



### Accurately measure Overall Equipment Effectiveness (OEE)

Connect directly with machines to capture shop-floor data to accurately reveal what percentage of planned production time is truly productive.



## Key capabilities

### Data collection & integration

Provides two-way machine integration and automated data collection, including both production and quality data. Use MES in IFS Cloud or integrate IFS Cloud with your existing MES system – the choice is yours.

### Quality and assurance

Quality management is fully integrated into the manufacturing process. Capture, track and resolve production issues as they arise.

### Resource management

Easily manage assets and employees. MES in IFS Cloud integrates real-time data captured from machinery that's fed into the scheduling and planning process.

### Reporting & KPIs

Access real-time reporting with built-in Statistical Process Control (SPC) and Operational Equipment Effectiveness (OEE) calculations. Lobbies and advanced analytics helps surface key information and visualize KPIs; identify issues quickly to actively manage by exception.

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