Activa™ Overall Equipment Effectiveness

Monitor overall equipment effectiveness in real-time to provide manufacturers with the visibility needed to enhance OEE and take proactive measures on the shop floor. Manually collected production data often leads to errors, causing delays and necessitating reactive measures to address bottlenecks that may have occurred hours or days prior. Standard off-the-shelf software frequently fails to align with the specific realities of the shop floor and adds complexity, especially when reconfiguring OEE for different machine lines or during product changeovers. i4TECH's adaptable OEE application enables end-users to rapidly scale across production lines and sites, simplifying complex processes and enhancing operational efficiency.

KEY FEATURES:

OEE MONITORING

- Monitoring OEE in real time to identify production bottlenecks around cycle time, quality ond availabilty
- Auto Capturing of unplanned downtime directly from Line PLCs
- Creating shift plan and production schedule for different lines and products.

ACCESSIBLE INFORMATION

- Make data available for analyses by different stakeholders, using real time communication channels.

REPORTING AND TRACKING

- OEE Dashboards by Plant and Equipment
- Shift Logs to log shift events and notes by operators
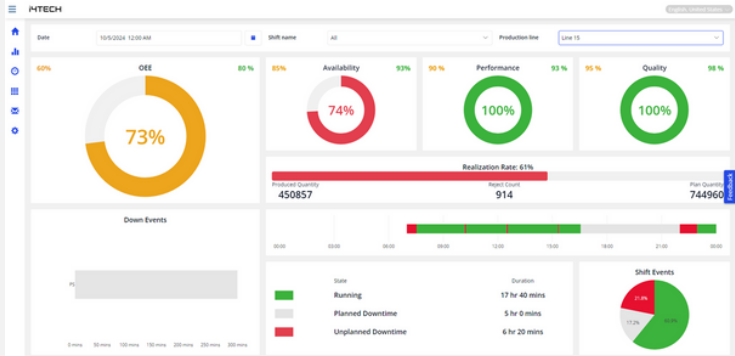- Pareto Charts for granular downtime analyses on frequnetly occuring downtimes reasons

Figure 1: Activa™ OEE makes it easy for Plant opeartional staff to track and monitor production performance
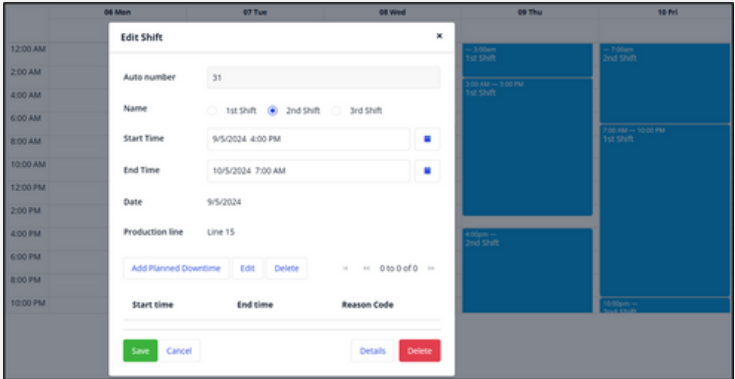

Figure 2. Activa™ OEE provides shift planning functionality to accurately plan shifts and calculate planned productime time

INTEGRATION POSSIBILITIES WITH MENDIX CONNECT

SEAMLESS INTEGRATION

Ability to integrate with various data sources and IoT devices, consolidating information for real-time insights into manufacturing operations.

INFORMATION TECHNOLOGY

Connects various enterprise software, such as ERP and PLM, used in an organization and apps on Mendix.

CENTRAL HUB FOR METADATA

Acts as a central data hub to find data information.

DATA CONSISTENCY

Ensures uniformity in data usage across the organization.

REAL-TIME DATA INTEGRATION

Unlock and integrate real-time data from PLC, IoT devices, OPC-UA, and MQTT Broker.

MULTI-EXPERIENCE APPLICATIONS

Applications for all forms of interaction: Web, Native Mobile/Tablet, and Handheld

AVAILABLE ON CLOUD | ON-PREMISE

Adapt and scale to specific plant and enterprise needs.

Find out more: info@i4-tech.io