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Case Study

How the Smart Factory Suite increased run speed by 50%

A full-service manufacturer wanted to modernize the plant and its operations through automation. The company aimed to set new benchmarks for its optimal run speed, eliminate losses caused by microstops, reduce scrap and improve overall equipment effectiveness (OEE).

BUSINESS CHALLENGES

The manufacturing company lacked the reliable and accurate data required for a true representation of performance metrics. The company's manual system also did not have a reliable process for monitoring, documenting and measuring performance. While operators recorded downtime events on handwritten sheets, the production team spent hours in meetings to review multiple versions of reports. As a consequence, managers made decisions based on outdated information.

Lack of Reliable and Accurate Data

Manual tracking and reporting led to unreliable data and poor performance across the entire plant.

Lack of Analysis and Accountability

The absence of detailed tracking information and root cause analysis led to slow response times and stoppages.

Lack of Real-Time Information and Engagement

Outdated information between cycle times and zero visibility led to substandard OEE and throughput.

SOLUTION

Shoplogix provided the manufacturing company with real-time performance management tools, resulting in easy access to accurate, timely information. This allowed the company to run its plant more efficiently and make better, more informed decisions.

Accurate Performance Metrics

Shoplogix set new benchmarks for the plant's optimal run speed by switching from a manual system to a real-time performance management one. Within hours, Shoplogix identified the optimal run speed on the stamping presses as 20 spm rather than 10 spm.

Real-Time Visibility

With Shoplogix in place, the company gained visibility into frequent and predictable patterns of microstops during scrap bin changes. By adding a conveyor belt on the presses to transfer scrap from one bin to another automatically, the company improved its overall efficiency and eliminated all manual steps in the process.

In-Depth Analysis

The company believed they were producing more defective parts than usual. With the tools to conduct an in-depth analysis on scrap, the company discovered that parts were getting damaged at a point of transfer. Through Shoplogix, the company completely eliminated damaged parts by aligning the stamping press and the final conveyor.

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RESULTS

The manufacturing company experienced significant improvements across the entire plant. Shoplogix's Smart Factory Suite provided the company with the automation and performance management tools required for achieving optimal run speed, reducing scrap and eliminating losses caused by microstops.

Increased OEE

The increase in machine availability, performance and quality parts resulted in an 8% improvement in OEE.

Improved Run Speed

Switching from a manual system to an automated one resulted in an increase in run speed from 10 spm to 20 spm.

Continuous Improvement

The Smart Factory Suite allowed operators to make more informed decisions, resulting in better communication and production schedules.

Let Shoplogix help achieve your smart factory vision. Contact us today.

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ABOUT SHOPLOGIX

Shoplogix is redefining the manufacturing industry by making the Shoplogix Platform the cornerstone of digital production and performance transformation. By empowering manufacturers to visualize, integrate and act on production performance in real time, Shoplogix uncovers hidden shop floor potential and drives rapid time to value.

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