



Case Study

How Shoplogix **increased throughput by over 75%** of expected targets in one month



BUSINESS GOALS

A global automotive supplier wanted to eliminate the production inconsistencies in the electronic vehicle (EV) assembly operation. The company had a production goal of 110 parts per day.

BUSINESS CHALLENGES

The company's assembly operation is a complex, 10-step process that involves over 40 supporting component manufacturing areas. Taking the necessary steps to identify root causes would be a massive undertaking before any measures could be taken to resolve the issues. With limited visibility into the complex manufacturing process, the company struggled to achieve production targets and missed revenue opportunities.



Lack of Root Cause Analyses

The company needed to produce 106 parts per day to satisfy customer demands on the EV battery tray line. However, the company lacked the tools to isolate issues and averaged 60 parts per day with inconsistencies across all three shifts.



Lack of Real-Time Visibility

The automotive supplier lacked the real-time visibility required to resolve inconsistencies within each shift. As a consequence, operators were unable to discuss and escalate issues before making informed decisions and creating an action plan.

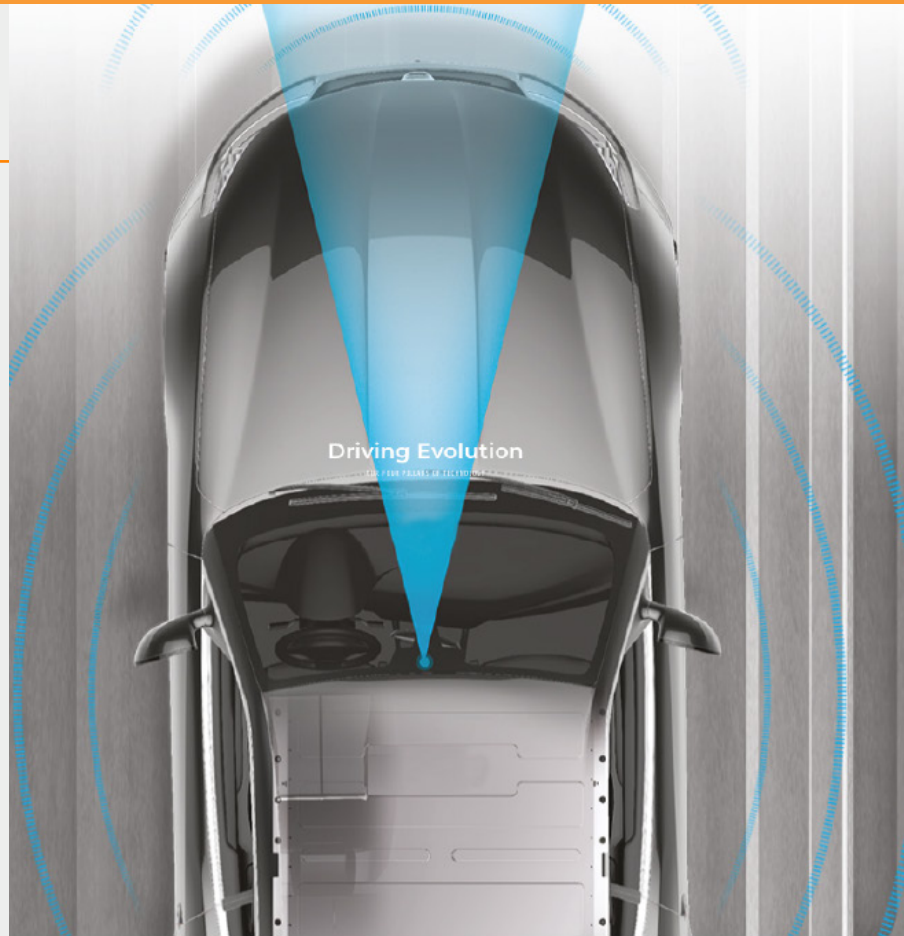


Lack of Reliable Data

Without reliable data, operators were unable to diagnose specific issues related to each machine and shift. A true representation of performance metrics was unavailable, resulting in the inability to drive improvements and address downtime issues.

SOLUTION

Shoplogix was implemented on the EV assembly operation within a day in support of the company's initiative for operational excellence. In one month, the improvements resulted in an increase in throughput by over 75% of expected targets. The company also reached its production goal of 110 parts per day, which exceeded the 106 parts per day required to satisfy customer demands.



Precise Loss Analyses

Shoplogix conducted machine downtime analyses to quickly identify which step in the assembly operation was causing inconsistency issues. It was determined that the milling department fed parts that were out of tolerance (OoT). The machines dropped the parts on the floor due to incorrect sizes.



Accessible Visual Feedback

With Shoplogix in place, operators had access to real-time visual feedback and digital screens that indicated production timelines. Operators were able to thoroughly evaluate issues before making informed decisions. This resulted in viable next steps and an action plan.



Accurate Performance Metrics

A true representation of performance metrics mitigated downtime issues, allowing the EV line to become more consistent and predictable. The company exceeded its production targets across all three shifts and demonstrated the ability to drive further improvements.

RESULTS

The company experienced significant improvements across all three shifts. Shoplogix's Smart Factory Suite offered precise loss analyses, accessible visual feedback and accurate performance metrics to address production inconsistencies, allow operators to make informed decisions and help the company reach the production goal of 110 parts per day. The automotive supplier had room to exceed the production target from 15 parts per hour (PPH) to approximately 19 PPH.



Increased Potential Revenue

As a result of the improvements, the potential revenue reached \$43,200 per day annualized at over \$12.9M.



Improved Production Targets

The company's main production line experienced an improvement of 40% overall equipment effectiveness (OEE).



Increased Overall Throughput

The company exceeded production targets in a month and increased throughput by over 75% of expected targets.

Let Shoplogix help achieve your company's vision. Contact us today.

www.shoplogix.com
info@shoplogix.com

NORTH AMERICA +1 905 469 9994
EUROPE +353 86 349 5638
LATIN AMERICA +52 55 5596 6060

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.