

# From Limited Insights to Real-Time Plant Performance

How ADAC Automotive Gained Real-Time Visibility Into the Root Cause of Machine Downtime and Production Performance.



ADAC Automotive designs and manufactures vehicle access systems such as door handles and liftgate handles. As a leading automotive supplier to several major vehicle manufacturers, ADAC goes beyond providing components and partners with their customers to reinvent automotive technology in mobility, automotive design, and user experience.

## The Problem

The reality manufacturers face is that equipment fails. Down machines mean lost production time and, therefore, lost profit.

In just-in-time industries like Automotive, lean supply chains have little time to fix product flow interruptions in order to prevent small shop floor issues from affecting the customer.

Historically, ADAC's process recording mechanisms were painstakingly manual. They relied on paper-based systems that wasted time and gave limited real-time visibility into their plant floor operations. They had a clearer picture of how their plant had been operating versus how their plant was operating at any given time. And when something broke, there was no connected way to notify, triage, and fix the issue.

**“** Machine downtime has a large impact on direct and indirect labor variance and lost production throughput, so it was essential ADAC make a shift to a Smart Factory concept to maximize machine availability.”

**Brent Warren**  
Director of Assembly Operations

**ADAC needed a system that would illuminate the hidden causes of downtime and production performance issues, as well as how to quickly fix and prevent it from happening again.**

**“** The move from paper-based production recording methods to an integrated cloud-based system ensured the right people were at the right place at the right time.”

**Rick Vande Kopple**  
Vice President of Quality

## The Solution

With this objective, ADAC Automotive implemented L2L's Reliability and Production system in four Michigan-based manufacturing facilities, where frontline personnel across Production and Maintenance leverage it daily.

**With L2L, ADAC captures and details hundreds of operational activities every day: from lab samples and first part checks to preventative and reactive equipment maintenance, calibrations, and beyond.**

“A lot of software solutions drive companies down a narrow path and solve a small set of issues. ADAC is using L2L to effectively execute 50+ business processes across our value streams.”

Rick Vande Kopple  
Vice President of Quality

## Results

By integrating 287 assembly assets and 58 molding machines to automatically report descriptive machine downtime events, ADAC now has a standard real-time process across all shifts, departments, and facilities for monitoring and responding to these issues quickly on over 200 production lines.

L2L has provided ADAC a method to reduce downtime and to easily notify, escalate, and resolve issues; it has transformed their approach to maintenance by enabling them to transition to cycle-based preventative maintenance. This ensures that equipment is regularly assessed and maintained based on usage or throughput instead of by time period, during which machine utilization can vary greatly.

“Prior to L2L everybody had their own isolated pockets of information. Now with L2L we have a single point of truth that all of us can use to problem solve.”

Brent Warren  
Director of Assembly Operations

“We have achieved real-time visibility of critical metrics and enabled fast and accurate responses, increasing efficiency throughout our plants. L2L will continue to be a strategic partner, and the system will continue to play a big role as we strive for operational excellence.”

Jorge Martell  
Vice President of Operations

↓ 26%

Reduction in number of preventative maintenance work orders

↑ 367%

Improvement in on-time preventative maintenance

↓ 62%

Reduction in major downtime events

