CUSTOMER SUCCESS STORY

# PREDICTIVE MAINTENANCE PROGRAM DELIVERS ROI

**INDUSTRY** | Automotive

STATS

**30%**
Increase in Asset Health

**>1000**
Hours Downtime Avoided

## OVERVIEW

Allied worked closely with this client to design and deliver a proactive maintenance strategy utilizing the proper combination of preventive and predictive maintenance (PdM) across four US facilities.

The approach required the application of route-based PdM maintenance to >85% of all plant equipment. Vibration, infrared, ultrasound, motor circuit analysis, and oil analysis technologies were deployed according to criticality ranking and failure modes. Identified equipment defects are automatically pushed into the client's computerized maintenance management system (CMMS) as work notifications to be planned and scheduled by the client's planners.

## VALUE DELIVERED

In the first two years, the client realized a 30% increase in overall asset health. The first five years resulted in a significant decrease in mean time to implement (MTTI) and greater than 1,000 hours of additional product output from avoided downtime.

Currently the team is working to replace all route-based vibration data collection with permanent-mount sensors. The sensors include temperature readings and collect data once a day.

## ENABLING TOOLS, TECHNOLOGY, AND PEOPLE

**Condition Based Maintenance (CBM) Personnel**
Allied provides 14+ CBM professionals to four US locations to conduct all necessary data collection, analysis, and reporting. Allied personnel are located on site and execute work to the established standards.

**Allied's SmartCBM™ Connected Solution**
Wireless sensor vibration and temperature data capture with first pass analysis by software algorithm and advanced analysis by Allied SME.