



SENSEYE PREDICTIVE MAINTENANCE

Global Automotive Manufacturer: Senseye Predictive Maintenance Increases OEE



Customer

Global Automotive Manufacturer



Location

International



Timeframe

2016-current



Scope of delivery

Since 2016, over 10,000 of their machines have been supported by Senseye Predictive Maintenance

Customer Situation/Objectives

A major global manufacturer who produces vehicles in 20 countries and areas around the world, including Japan, USA, Russia, and the UK. In 2020, their global vehicle production volume exceeded 4.7 million, with products and services provided in more than 190 countries.

With an abundance of sensor data but insufficient skilled resources to perform manual analysis, they were keen to expand the benefits of using data and machine learning to influence maintenance. In 2016, they decided to embark on a Predictive Maintenance program to reduce production downtime by up to 50% across thousands of diverse machines.

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The solution

Through the implementation of Senseye Predictive Maintenance across multiple sites. The manufacturer have expanded their predictive maintenance capability across their global production sites where a range of models are produced.

Over time, they have become autonomous in their adoption and scaling of their predictive maintenance journey. Together with Senseye Knowledge Platform to upskill their users, their engineers can now on-board new machines and integrate with other enterprise software independent of Senseye Predictive Maintenance.

Currently, more than 10,000 machines and 100 different machine types are remotely monitored using Senseye Predictive Maintenance proprietary machine learning algorithms, including robots, conveyers, drop lifters, pumps, motor fans, and press/stamping machines.

Over 500 concurrent users are actively using Senseye Predictive Maintenance to optimize maintenance activities and make repairs months before machine failure.

The result

- Tens of millions in saved downtimes
- Rapid Return on Investment of less than 3 months
- Up to 6 months advance warning of machine failure
- Reduction in preventive maintenance and secondary activities
- Year-on-year OEE improvements

“Senseye is supporting our Predictive Maintenance program across multiple production facilities and has helped us lower overall downtime and increase OEE.”

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