SENSEYE PREDICTIVE MAINTENANCE

Aluminium manufacturer: **20% reduction in unplanned downtime**

This global leader in bauxite, alumina, and aluminium products, built on a foundation of strong values and operational excellence, dates back more than 130 years to the world changing discovery that made aluminium an affordable and vital part of modern life.

Customer
Leading global manufacturer

Location
Europe

Timeframe
2018

Scope of delivery
Achieved increased ROI within 4-6 months

The task

With difficult margins in the global aluminium market and increasing operational and production efficiency targets, they established a global corporate initiative to tackle these challenges and focus on adopting the best maintenance practices including moving from “Planned Maintenance” to “Predictive Maintenance”.

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The solution

They were looking for a robust leading specialized solution delivering Predictive Maintenance as a product capable of easily leveraging existing machine and maintenance data feeds and without installing thousands of new sensors. Also, this product had to be used by machine operators without requiring complex and long setup or extensive training and be rolled out to different sites around the world whilst providing a rapid return on investment.

The result

Through the deployment of Senseye Predictive Maintenance across their east Icelandic plant, they were able to achieve the following KPIs:

- Reduced unplanned downtime by 20%.
- Improved operating efficiencies and reduced maintenance costs.
- Achieved ROI within 4 to 6 months.
- Roll out of Senseye Predictive Maintenance at additional sites.

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

Highlights

- Reduced unplanned downtime by 20%
- Improved operating efficiencies and reduced maintenance costs.
- Achieved ROI within 4 to 6 months.
- Roll out of Senseye Predictive Maintenance at additional sites.

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