SENSEYE PREDICTIVE MAINTENANCE

BlueScope: **Increased operational efficiency**

BlueScope, an Australian steel company, required a transformative solution to enhance its operational efficiency. Faced with the challenge of managing a diverse range of machines across its global footprint, BlueScope sought to harness the power of predictive maintenance to mitigate potential system issues, reduce downtime, and lower maintenance costs.

Customer
BlueScope

Location
Australia

Timeframe
2021- current day

Scope of delivery
Platform has been scaled across multiple countries and sites

The task

BlueScope strived for reduced downtime, increased operating time, improved throughput, and lower costs.

This challenge of achieving efficiency was shared by all the plants in their industry. Given the highly competitive nature of their industry, they needed to maintain competitiveness on a global scale.

Each plant faced the same level of difficulty due to several competing concerns such as environmental impact, energy efficiency, sustainability, and skill shortages. The importance of minimizing downtime was highlighted as a particular issue as it was an area where all manufacturers sought improvement.

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The solution

BlueScope operates as a line organization, meaning that if one part of the plant experienced delays, it can have a substantial impact on the entire business operation. There had been various instances where enhancing the plant's throughput had been a priority for BlueScope.

This was especially crucial in past years when the business was performing highly, and all the plants had been operating at near capacity. Therefore, any downtime had a significant impact on their previous business operations.

This led BlueScope to integrate Senseye Predictive Maintenances platform into its operations. The platforms report feature offered an overarching view of cases generated across the company, while its customization allowed reliability engineers to focus solely on their individual lines.

The result

High-level statistical reports and key performance indicators (KPIs) extracted from Senseye Predictive Maintenance were particularly beneficial to management, specifically the 'downtime avoided' KPI, which served as a pivotal metric for demonstrating the value of the pilot project to BlueScope's executive team.

The introduction of Senseye Predictive Maintenance ushered in innovative practices at BlueScope, notably the integration of IoT devices for machine vibration monitoring. Filling a critical gap in BlueScope's preventive maintenance routine, the synergy between the platform and IoT sensors allowed for the early detection of vibration anomalies indicating potential equipment damage, resulting in substantial resource savings.

Senseye Predictive Maintenances' flexibility allowed it to be customized to cater to BlueScope's unique business needs, playing a key role during the platform's selection process and ensuring alignment with its ambitious digital transformation strategy. As the platform continued its rollout across different countries and plants, it contributed to a cultural shift within BlueScope, driving the shift towards predictive maintenance and paving the way for a more efficient, cost-effective future.

> "With successful use cases, predictive failure capabilities, simplified tasks, and reduced maintenance costs, Senseye Predictive Maintenance has been not just a tool but a catalyst for change in our organization.
>
> **Spokesperson for BlueScope**

Highlights

- Cultural shift achieved
- Critical gap filled in preventive maintenance routine
- Substantial resource savings

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