VIEZO

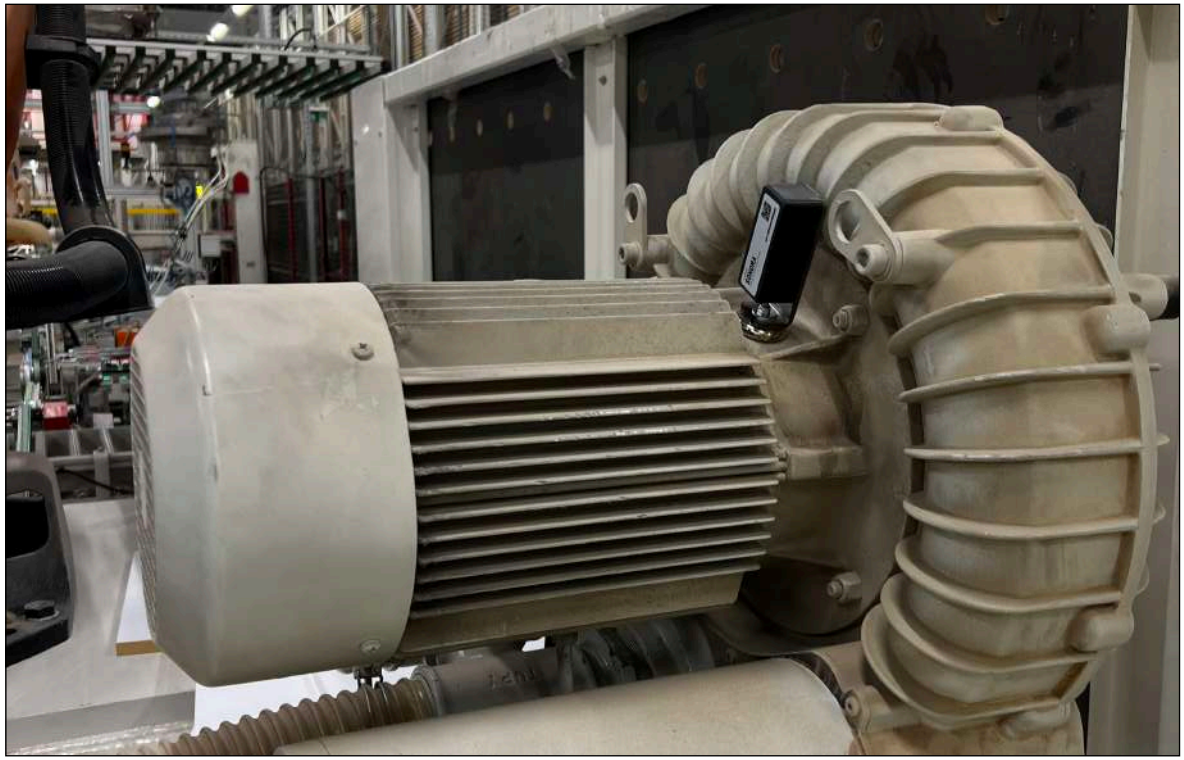
FREDA

FAN MONITORING:
HOW SONORA SAVED FREDA FROM COSTLY DOWNTIME

Sonora is Viezo's advanced predictive maintenance system that uses vibration sensors to monitor industrial equipment like pumps and motors in real-time, detecting faults through recurring patterns via AI analysis. Data is collected hourly, and displayed on a web platform for timely alerts, enabling proactive repairs to avoid downtime.

FREDA, UAB, founded in Lithuania in 1880 as a sawmill and now headquartered in Kaunas, is one of the country's longest-running furniture manufacturing companies. Specialising in production and export of high-quality furniture and wood-based interiors, the company employs approximately 745 staff and achieved sales revenue of nearly €300 million in 2024.

In August 2025, Sonora detected rising vibration levels on a production blower, indicating a developing impeller fault. Based on the alert, the impeller was proactively replaced, reducing vibration from 1.45 mm/s to 0.55 mm/s and preventing the issue from escalating into a production-impacting failure.



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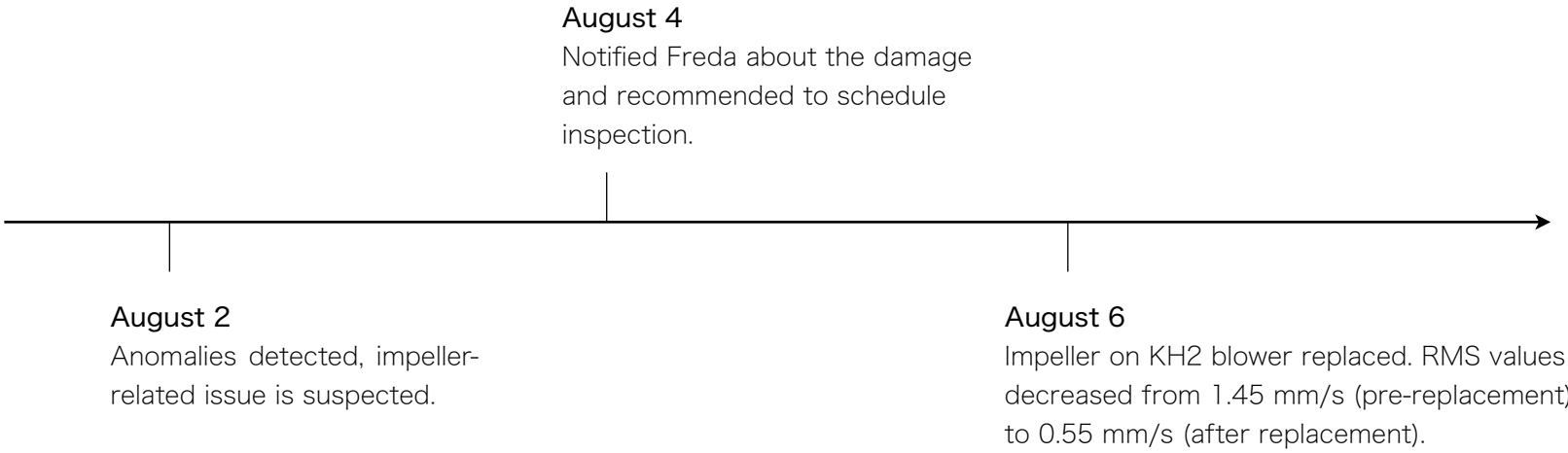
WHAT HAPPENED?

Sonora's early detection of the developing impeller fault enabled Freda to replace the component proactively, preventing a potential failure and avoiding costly production downtime.



RESULTS

- Prevented a potential failure of the production blower;
- Avoided downtime and production losses;
- Enabled timely impeller replacement during planned maintenance;
- Maintained stable operation without disrupting production.

"Sonora's notification allowed us to replace the fan perfectly on time."

Head of Maintenance, Freda II

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