VIEZO

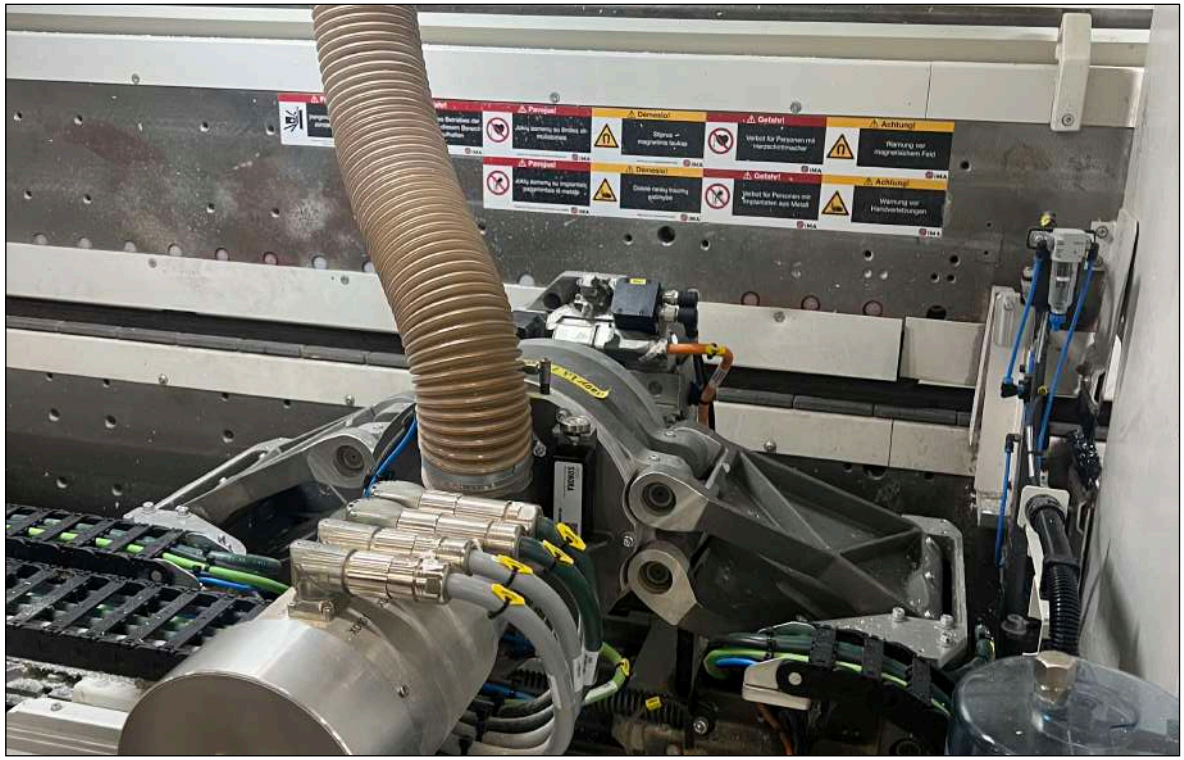
IMA SCHELLING GROUP

KFA CONTOUR MILLING MONITORING: HOW SONORA SAVED IMA SCHELLING'S CUSTOMER 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.

IMA Schelling Group develops and manufactures modular, customer-specific manufacturing systems and processing solutions for the wood, metal and plastics industries. With around 1,966 employees and a turnover of approximately €395 million in 2024, the group serves clients worldwide through its 18 sales, service and production companies.

On October 17, Sonora detected anomalies on the IMA KFA, indicating developing bearing wear. Maintenance checked the machine the same day and found no visible or audible abnormalities at that stage. The following day, the next shift received error notifications from the frequency converter, confirming the issue. The motor was subsequently replaced, with bearing wear identified as the root cause.

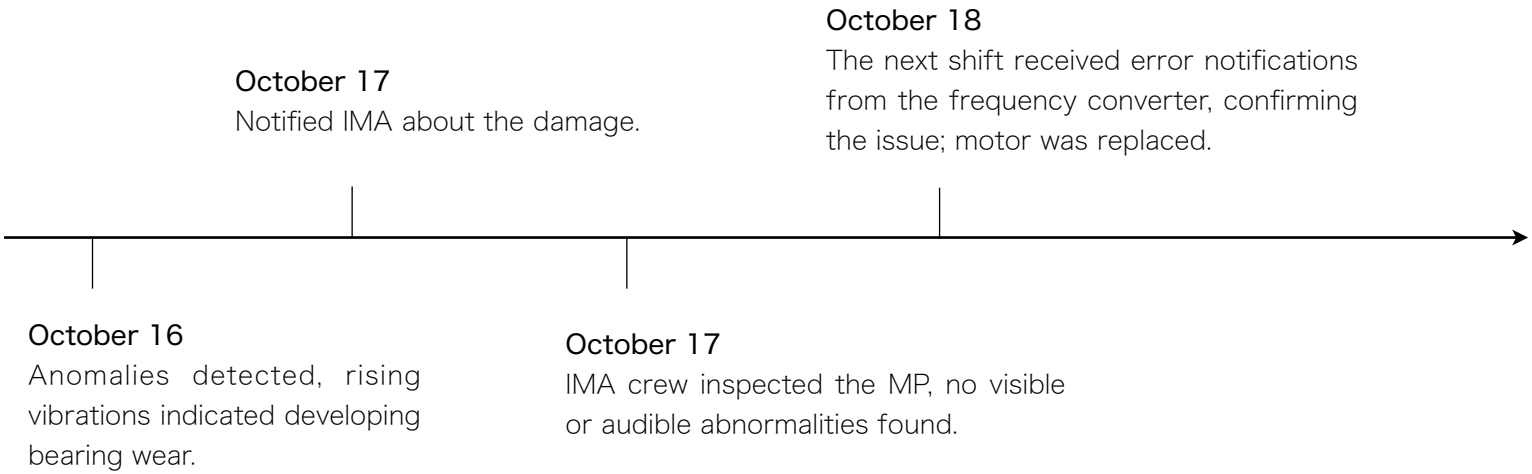


UAB Viezo
Lentvario str. 33, Vilnius 02241, Lithuania

+370 675 56 247
info@viezo.lt

WHAT HAPPENED?

Sonora detected early signs of bearing wear on an IMA KFA Corner Rounding Unit at FREDA, prompting an inspection. Although no issues were visible initially, the following day the machine triggered frequency converter errors, confirming the fault. The motor was replaced before the failure escalated.



RESULTS

- Detected bearing wear before visible symptoms appeared.
- Enabled timely motor replacement following system alerts.
- Prevented escalation into more severe mechanical failure.
- Supported fast decision-making across IMA and FREDA maintenance teams.

> “We have not expected such a great result so quickly.”
>
> Director of Technical Innovation, IMA Schelling

UAB Viezo
Lentvario str. 33, Vilnius 02241, Lithuania

+370 675 56 247
info@viezo.lt