

# Better Condition Monitoring Techniques

## SKF Axios Platform Improves Reliability of Rotating Equipment

SKF recently launched SKF Axios, a solution that reinvents the fields of industrial machine reliability and predictive maintenance based on a collaboration between SKF and Amazon Web Services, Inc. (AWS). SKF showcased Axios during Hannover Messe 2022.

SKF Axios is a fully automated condition monitoring solution which fulfills this need. It is comprised of sensors, gateways and a machine learning service that is easy to install, commission, and scale with no experience necessary, allowing sensors and apps to be operational within minutes. It detects anomalies and pushes notifications allowing for quick action to avoid unexpected machine failures.

SKF's team of vibration analysts and engineers will continue to be an integral part of helping customers improve the reliability of their equipment. SKF Axios complements SKF's current portfolio of sophisticated condition monitoring products and now provides industrial companies with a simple solution to broaden their rotating asset predictive maintenance programs.

"With SKF Axios, we can provide a larger portion of the industrial market with actionable insights leading to improved decision making and more efficient maintenance planning and scheduling. Through leveraging these insights and SKF's knowledge of rotating equipment, customers can improve machine performance and overall reliability of their operations," said John Schmidt, president, Industrial Region Americas of SKF.

"SKF Axios represents a tremendous opportunity for industrial customers of all sizes to benefit from scalable, data-driven, machine-learning technologies offered by AWS. These solutions enable industrial customers to make better decisions faster, increasing operational efficiency, and reducing the costs associated with unplanned equipment downtime. We remain committed to offering our expertise in cloud solutions, IoT systems, and machine learning to enable SKF to constantly innovate and enhance their industrial products and services," added Vasi Philomin, vice president of AI Services at AWS.

SKF Axios collects and analyzes vibration and temperature data to detect equipment anomalies and provide notifications on the health of your machinery. When abnormal machine conditions are detected, users are alerted so they can respond with proper maintenance.



Start small and scale up as needed with this cost-effective, end-to-end predictive maintenance system from SKF and AWS. SKF Axios is simple to use right out of the box. Many sensors can be added.

When SKF Axios detects abnormal machine conditions, users are alerted so they can respond with proper maintenance. Historical trend data is the basis for machine learning. The more data collected, the smarter and more accurate the machine anomaly detection becomes.

The predictive maintenance solution requires no previous vibration experience or expertise and will continue to provide new monitoring technologies for power transmission components.

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