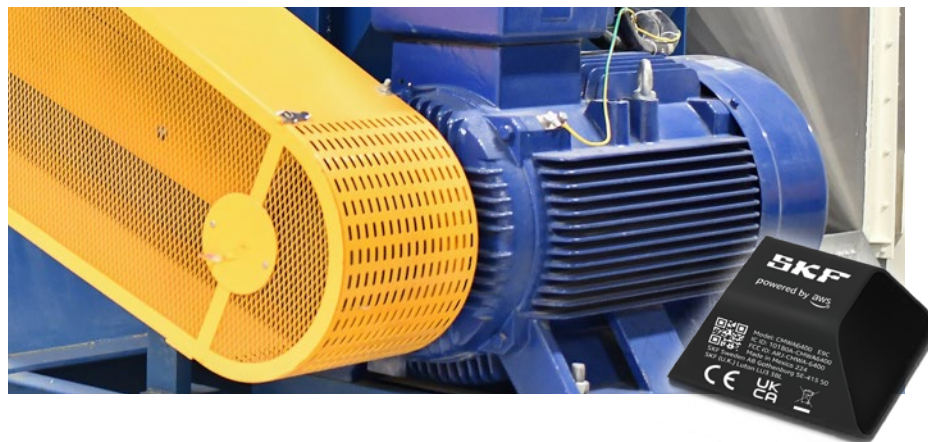


# SKF wireless monitoring in Chemical Plant leads to early detection and \$85,000 in savings

## The situation

A leading chemical plant in Brazil chose to deploy SKF Axios for monitoring vibration levels on critical fans in their facility.

The plant wanted to align with industry-leading best practices for monitoring and measurement – turning to SKF Axios to detect anomalies in their operations.



## The assessment

Within weeks of installing SKF Axios, the facility was alerted to check one of the fans which had experienced an abnormal increase in vibration levels. A secondary check was completed with an SKF Microlog portable analyzer, which confirmed an issue with one of the fan bearings.

The problem bearing was removed and reported to have corrosion marks on the outer raceway due to lack of contact on the tapered bushing. The bearing was replaced, and vibration levels returned to normal.

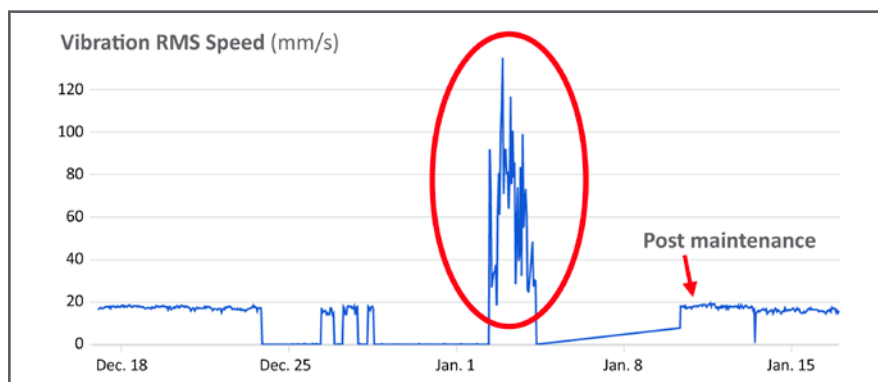
## The result, \$85,000 savings

SKF Axios helped the maintenance team act early when they were alerted to the anomaly in the fan. Had this vibration gone undetected, this section of the plant could have been shut down for 8.5 hours, with \$85,000 in lost production time.

The Plant Manager found significant value in SKF Axios' ability to detect equipment anomalies, allowing his team to act quickly to take corrective action. As a result, the company will expand the use of SKF Axios plus additional SKF monitoring capabilities to the rest of their operations.

## What is SKF Axios?

SKF Axios, a collaboration with Amazon Web Services (AWS), is a wireless, scalable, predictive maintenance solution that collects and analyzes vibration and temperature data to detect equipment anomalies and provide alert notifications on the health of the machinery. The more data collected, the smarter the machine learning becomes.



*Corrosion marks on the outer raceway*



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This reference case is based on the operating conditions, equipment and maintenance routines for a specific customer and is not intended to represent or guarantee that anyone will achieve the same or similar results. Results are meant to showcase what is possible with SKF products but should not be taken as average or typical results.

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