





## Every asset counts, Every insight matters

In a rapidly digitalizing industry, predictive maintenance is evolving. Safety, profitability, energy efficiency: requirements are intensifying. Conventional vibration monitoring methods are no longer sufficient.

#### **Introducing Sparrow**

Designed by Acoem, Sparrow automates the collection of vibration and temperature data on your rotating machinery. Thanks to wireless IoT technology, it offers you continuous, reliable and secure monitoring. Sparrow's compact size, continuous diagnostics capability and integration with the Nest platform make it the most powerful remote diagnostic solution for efficient asset management.

Sparrow is the missing cornerstone that completes your monitoring strategy, ensuring full coverage across your entire plant.



### Sparrow sets you free

Fully integrated with Nest predictive maintenance platform, Sparrow delivers real-time wireless monitoring of your assets, eliminating limited visibility and the need for reactive maintenance.

Integrated with Nest predictive maintenance software platform. The integration of Sparrow with the Nest platform delivers immediate and tangible results, enabling you to:

- · Obtain reliable and automatic measurements
- · Increase Safety
- · Focus maintenance resources on key actions
- · Detect failures as soon as they appear
- · Increase profitability

## Assess and monitor a large number of rotating assets

- Detect all types of defects (including bearing and high frequency defects).
- Affordable with excellent metrological performance
- The most powerful IoT sensor for remote diagnostic coupled to NEST post processing capabilities

#### **Durable solution**

- Materials resistant to dust, water and common solvents
- · Powered by replaceable standard battery
- · Operating Ambient temperature -40 to 80°C"



#### High software flexibility

- Cloud and/or on premise software solution available (Nest)
- You can easily connect our solution to your data lake: OPC UA (NESTI4), Modbus TCP (Gateway), MQTT (Gateway)
- All-in-one software : Connect all your data collecting tool in one and same place
- Access to in-house data analysis or reports from Acoem experts

#### AI Powered IoT with Accurex SE

- · Smart Anomaly detection
- · Automatic ON/OFF evaluation



# Integrated with Nest predictive maintenance software platform

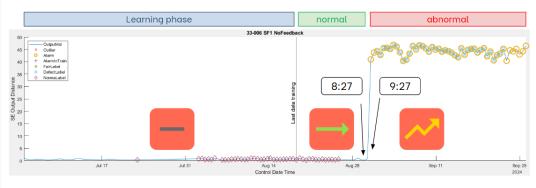
Sparrow provides expert diagnostic information to industrial machinery maintenance staff in a clear, concise, and user-friendly format. The integration with Nest equips maintenance professionals with a comprehensive array of diagnostic tools, leading to significant time and resource savings.





- Equips maintenance teams with comprehensive diagnostic tools, saving time and resources.
- Simplifies the decision-making process by presenting all machine information in one place.
- · 24/7 Access to Actionable Data
- Easy Machine Setup: Sparrow offers straightforward machine setup for hassle-free implementation
- Machine Health Matrix: Quickly assess the health of your machines using a single screen
- Shock Finder™ Filter: Automatically and display the shocks in the time waveform
- Seamless Big Data Integration: Easily link your machine health information with your Big Data ecosystem





# Smart synergies for reliable monitoring

Sparrow can also be used in combination with our portable vibration analyzer-Falcon to offer optimized data collection and create new possibilities in your condition monitoring strategies

Pair Sparrow with Acoem Advisor diagnostic services for seamless access to remote support and advanced diagnostics, precisely tailored to your unique condition-based maintenance needs.





# Keeping an eye on every asset with Acoem's reliability ecosystem

Our ecosystem, featuring various diagnostic tools such as portable, wireless, real-time devices, alignment solutions, multiple sensors, and more, consolidates all your asset information into a centralized platform.

Our integrated ecosystem streamlines asset monitoring, allowing you to adjust strategies based on priorities, ultimately saving time and increasing efficiency. With a unified and user-friendly interface, you can easily identify maintenance requirements, empowering you to make smarter, more confident collective decisions.

