



# SPARROW

WIRELESS DIAGNOSTIC  
SOLUTION FOR BALANCE OF PLANT

Smart   
**Condition**

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**acoem**  
CREATING ENVIRONMENTS OF POSSIBILITY



*Say hello to*  
**Sparrow**





## Every asset counts, Every insight matters

In today's fast-paced industrial landscape, striking the balance between operational efficiency and cost-effectiveness is crucial. Managing a vast array of Balance of Plant (BoP) assets demands time, energy, and financial resources. Manual inspections often prioritize critical assets, leaving BoP assets overlooked.

Introducing Sparrow, an innovative solution empowering you to monitor every BoP asset with unwavering confidence.

Sparrow's compact size, real-time diagnostics, and seamless integration make it the ideal choice for comprehensive BoP management.

Sparrow creates a world where every asset counts, every decision is informed, and every stride leads to efficiency.



## Sparrow sets you free

Sparrow empowers industries by eliminating limited visibility and the need for reactive maintenance practices. With Sparrow's wireless monitoring, you get real-time insights into your BoP assets, helping you make proactive decisions and improve operational efficiency.

No more worries about unexpected breakdowns or manual interventions. Sparrow's smart chirp guides you toward a reliable and sustainable investment.

Let's move beyond the past's limitations and embrace a world where monitoring is seamless, efficient, and accessible to all. As we add an advanced sensor into our ecosystem for **Total Plant Reliability** through Sparrow, we pave the way for a brighter, smarter, and more connected future.



### Assess and monitor a large number of auxiliary assets

- Detect Bearing faults with anticipation thanks to high frequency characteristics
- Affordable with excellent meteorological performance

### Durable solution

- Materials resistant to dust, water and common solvents
- Powered by replaceable standard battery
- Operating Ambient temperature  $-40$  to  $80^{\circ}\text{C}$

### High software flexibility

- Cloud and/or on premise software solution available (Nesti4.0)
- 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



## Integrated with NESTi4.0 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 Nesti4.0 equips maintenance professionals with a comprehensive array of diagnostic tools, leading to significant time and resource savings.



“Manage all your machines through a single platform, enhancing efficiency with customizable reports through the web portal”

- 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



**Sparrow's monitoring capabilities make it the ideal choice for ensuring remote monitoring and diagnostics of:**

- Fixed Speed Machines
- Machines without or with small gearboxes
- Replacement for 4-20mA sensors
- Low/medium criticality assets
- Machines  $\geq 200$ rpm (recommended)

**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.

With a unified and user-friendly interface, you can easily identify maintenance requirements, empowering you to make smarter, more confident collective decisions.

Our integrated ecosystem streamlines asset monitoring, allowing you to adjust strategies based on priorities, ultimately saving time and increasing efficiency.



**Advisor diagnostic services**  
An individually tailored, custom-designed condition-based maintenance program



## About Acoem

At Acoem, we **create environments of possibility** – helping organisations find the right balance between progress and preservation – safeguarding businesses and assets, and maximising opportunities while conserving the planet's resources. We deliver unrivalled, interoperable AI-powered sensors and ecosystems that empower our customers to make enlightened decisions based on accurate information.

Together with 220 distributors, our 850+ employees work across 28 offices, 6 manufacturing facilities and 5 R&D centres in 9 countries, to provide trusted, holistic data solutions for customers worldwide.

**Acoem links possibilities with protection.**

For more information visit [acoem.com](https://acoem.com)

