





UNIQUE MEASUREMENT CAPABILITIES

EAGLEautomaticallyacquiresvibrationsignals (including time waveforms and FFTs) on one or threevibrationaxes, together with temperature data.

Yourmachinesarekeptunderclosewatch:Smart enough,EAGLEautomaticallytrigsmeasurements ifthevibrationlevelsexceedpredefinedthreshold limits.

Signalsofupto16K-samplesaretransmitted wirelessly,foraccurateandtargeteddiagnosisof allkindsoffaultsonalltypesofrotatingmachinery.

DESIGNED FOR HARSH **ENVIRONMENTS**

Rightfromthedesignphase, the material sused wereselectedtomeetdetailedanddemanding specifications.

WithATEXZoneOcertification, EAGLE offers appropriatesolutionsinplaceswherewiringis costly or too complex.

Atruealternativetomanualdatacollection, EAGLE **enablesautomaticmeasurementstobetaken** safely in extreme conditions!

UNRIVALLED EASE OF DEPLOYMENT

WIRELESS ANYWHERE

EAGLE is a self-powered wireless sensor. No cables are needed.

- Autonomous: the sensor acquires data with no external intervention
- Up to five years of unattended operation
- Data is transferred wirelessly to the ONEPRODNEST condition-based maintenance software
- •Expandboundaries:UseofWirelessExpanders to reach the most isolated machines



ATTACH AND GO!

Attach the sensor to the machine.

Positionyourgatewayatanappropriatedistance depending on your environment (up to 100 m).

Add wireless Expanders to increase the range and turn around obstacles.

Startacquisitionfromyour ONEPROD software interface.

Your data is there, ready for processing!

MOVE AND MONITOR!

Itis not always feasible to monitor all critical production facilities continuously.

The solution: temporary monitoring

EAGLE's ease of deployment means that it is particularly suitable for such cases. Doubt sabout amachine that is n't monitored? Nothing could be easier: simply move sensors and start monitoring it!

Thatshouldgiveyousomenewideasforimproving the reliability of your facilities!



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BENEFIT FROM ALL THAT ONEPROD HAS TO OFFER

A CENTRALIZED SYSTEM

EAGLEistotallyintegratedwiththeONEPROD system.

ProcessdatafromEAGLEusingthepowerful range of analysis and post-processing tools available in ONEPROD NEST software: advanced vibration indicators, calculations covering all historical data, concatenated spectra, 3D spectra, Shock Finder filter, and more.

Regardless of how many machines you have, your entire installed base equipped with EAGLE sensors can be supervised remotely from any Internet browser using the NEST SUPERVISION module.



"Doubts about a machine that isn't monitored? Nothing could be easier: simply move sensors and start monitoring it!"

TAILORED SUPPORT

EAGLE eliminates implementation constraints and enable sy out oben efit from targeted support on a particular machine from ONEPROD experts.

Avoidaproductionshut-downthatcouldhave disastrous financial consequences!

MONITORING OF COMPLEX MACHINES

Monitor machines with varying operating conditions using EAGLE.

ONEPROD's expertise is embodied in this new wireless solution form on it or in geven the most complex machines!

Information about the operation of your equipment is used to direct the monitoring system. Therepeatability of measurements ensures that diagnosis are even more pertinent and analyses are even more effective.



AHIGH-PERFORMANCEINDUSTRIALSOLUTION

EASY INSTALLATION

- Cable-free installation
- UseofwirelessExpanderstoreachthe most isolated machines
- Up to 50 sensors per gateway

UNIQUE PERFORMANCES

- 1 or 3 vibration axes + temperature
- FFT up to 20kHz analysis
- Measurement on alarm
- Monitoring of machines starting from **100RPM**

EASY MAINTENANCE

- Upto5yearsofunattendedoperationwith several measurements per day
- Standardlowcostbatteryreplaceableby the end user

ONEPROD METHODOLOGY

- Repeatablemeasurements:management of operating conditions
- No false alarms

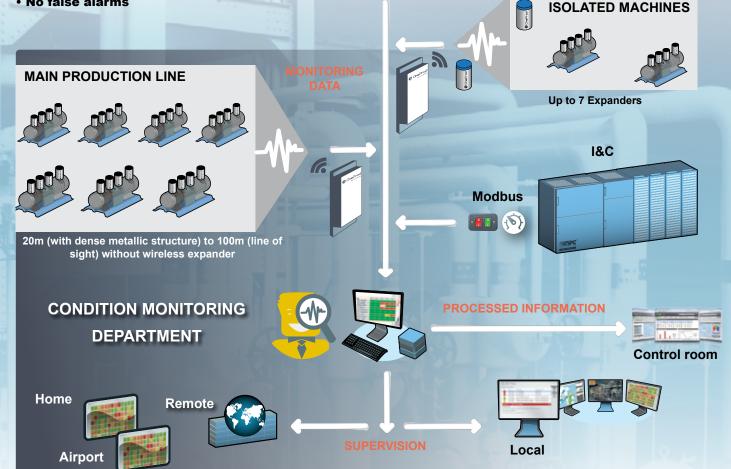
RELIABLE WIRELESS COMMUNICATION

- Immunitytointerferencewithotherwireless networks (WiFi, Bluetooth, Wireless HART, proprietary protocols)
- Secure data
- Very low power transmissions to ensure safe conditions for people and facilities

SUITABLE FOR HARSH ENVIRONMENTS

- ATEX Zone 0 certification (Class I Div I) for both the EAGLE sensor and the Expander
- Withstands corrosive environments
- withstandsa120°Ccontacttemperature
- IP67







In today's fast-moving world, the environment is increasingly impacted. The Acoem Group is committed to sustainable development and help companies and public authorities limit their environmental impact by offering products and services that:

- Prevent and control air, noise and vibration pollution;
- Increase the productivity and reliability of industrial machinery;
- Contribute to the development of effective, robust & noiseless products;
- Protect soldiers, sites and vehicles in military theaters of operation.

The Acoem Group is based in Limonest, France, and has 17 subsidiaries and offices around the world. The Group generates an annual turnover over €100 million and currently employs 750+ people globally.

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