

Connecting the power of Acoem AI to digital factories with Nest i4.0 v.1.7

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Limonest, France, 17 June, 2021. Acoem's support for Industry 4.0 through its innovative maintenance and reliability solutions took another leap forward this week with the release of the Nest i4.0 version 1.7 – the next generation of monitoring software.

The primary purpose of Acoem's automated software analysis tools has always been to provide all vibration analysis and condition monitoring users, not just technical experts, with the best industry 4.0 has to offer – **accessible, easy and intuitive solutions** powered by Accurex™ Artificial Intelligence (AI).

Since its introduction in 2017, each update to Nest i4.0 has brought significant benefits to operators of two of Acoem's signature vibration measurement solutions – the Falcon portable analyser and the Eagle wireless solution. This latest version takes diagnostic capabilities to a whole new level with **full connectivity, improved performance, better management of risk** and **greater flexibility** with the same ease of use.



The AI diagnostic matrix is perhaps Nest's **most innovative and user-friendly tool**, and one that will change the way users manage their machinery's maintenance forever. The matrix provides instantaneous results – outlining where the fault is, which machine is affected and what the actual fault is – all in real time. This ground-breaking new feature lets users understand the **health and efficiency** of their entire network in a **single screen**, giving them the data they need to make immediate informed decisions and take action on maintenance priorities **without delay**.



Environment of possibility

The matrix can now be **automatically populated** from measurement data captured from both the Falcon portable analyser and the wireless Eagle, bringing **Acoem's IoT capabilities to a heightened level of Industry 4.0** and creating greater environments of possibility for maintenance strategies.

In this new era of total connectivity, businesses need to take **full advantage of shared insights** and data to improve performance and efficiency. Nest i4.0 version.1.7 gives customers the ability to share their data in **real time** with full connectivity and easy integration with existing data servers including OPC UA or by automatic export in CSV format. Configuration includes "TAG" fields which can be used to help connect with other third-party big data systems such as CMMS, ERP, SCADA, etc.

Nest i4.0 v.1.7 lessens the risk of unexpected machine failures and provides one open, automated platform for streamlined performance. Users can **customise** which machines' data is required, at which intervals, and where to publish that data. Being able to communicate in this open format is a huge **benefit** for Acoem customers with all data, alarms, raw signals and parameters produced by the Maintenance department able to be shared between different areas of the business in any digital factory system, smart manufacturing or big data program.

Nest software fully leverages AI, so whether users want to understand the resonance of a motor, detect a bearing defect or prevent a gearbox damage, the combination of a Falcon analyzer or Eagle sensor with superior diagnostics from Accurex™ guarantees a **holistic and actionable solution**.



Vincent Muller
Directeur Division Maintenance

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We are excited about the possibilities that Nest i4.0 v.1.7 will bring to our customers as they further explore the true capabilities of Artificial Intelligence.

As with all Acoem solutions, our focus is on the added value we can bring to data, empowering industries to take action sooner, extend the life of critical machinery and improve capabilities and productivity.

Vincent Muller, Acoem France

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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 150 distributors, our 800+ employees work across 27 offices, 5 manufacturing facilities and 3 R&D centres in 11 countries- to provide trusted, holistic data solutions for customers worldwide. **Acoem links possibilities with protection.** For more information visit acoem.com.

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