

Acoem adds the power of thermography to its Augmented Mechanics Ecosystem

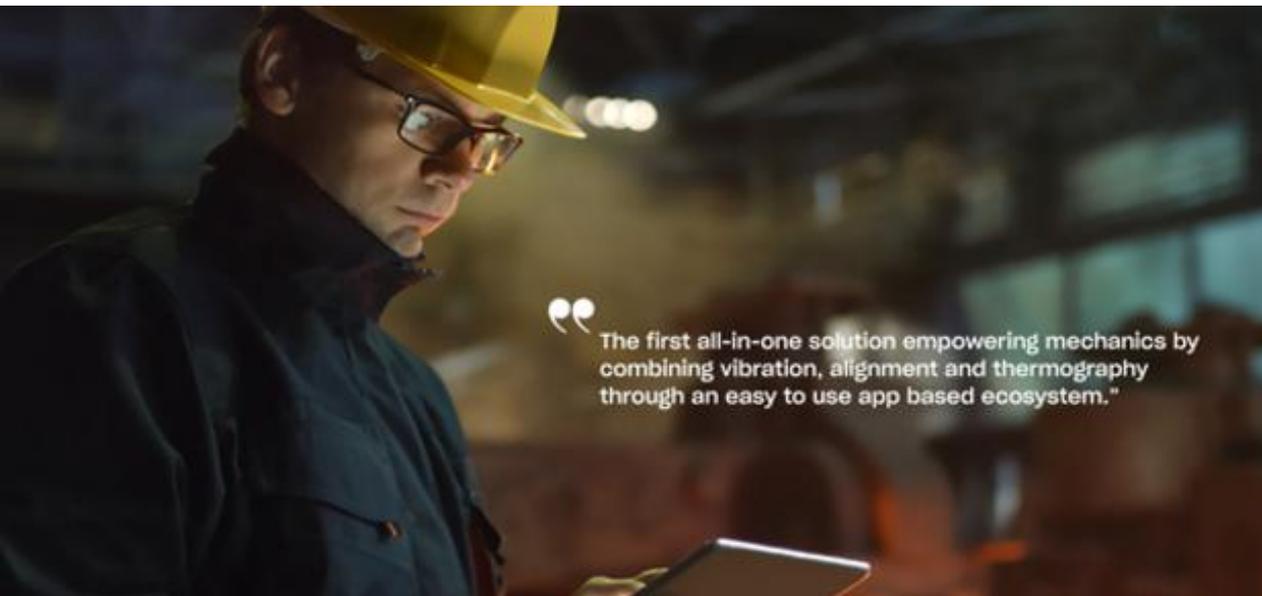
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Limonest, France, 28 September, 2021. As part of its commitment to continually upgrade the capabilities and technology of its [Augmented Mechanics Ecosystem](#), and make the process of monitoring and aligning critical machinery easier and more dynamic, Acoem has added the option of thermographic imaging to its laser shaft alignment solution.

The optional [FLIR One Pro camera](#) is a welcome addition to the Ecosystem and one that will enhance machinery's alignment process, making it more informative and transparent. Our decision to partner with FLIR was based on the camera's functionality, inter-connectivity and ease of use – all qualities aligned with Acoem's philosophy of doing more with less.



The benefits of thermography in the alignment process

Extra heat develops on the coupling when a machine is misaligned so the ability to capture thermographic images pre- and post-alignment provides an added layer of confidence that the alignment has been performed successfully.

Used in combination with the Acoem Ecosystem's [AT-200 shaft alignment app](#), the optional FLIR One Pro camera sends images via the FLIR app which communicates directly with the Ecosystem. Stored images can then be instantaneously and effortlessly incorporated into an automated laser alignment report completed on site using a tablet for enhanced productivity and a seamless user experience. Images can also be used to compare and contrast historical maintenance jobs.

The FLIR ONE Pro camera allows Acoem's shaft alignment app users to measure temperatures up to 400°C (752°F) – with a sensitivity that detects temperature differences down to 70 mK. It offers superior native 19,200-pixel resolution for sharper image clarity and is robust enough to withstand even the harshest industrial conditions. Its assimilation into the Acoem Ecosystem enhances the reliability of more complex alignment situations and helps maintenance teams better understand their machines' capabilities and potential fluctuations due to operational processes.

Enhanced connectivity, inter-operability and compatibility

The Acoem Augmented Mechanics Ecosystem was designed to give users the freedom and flexibility to choose which reliability tool(s) they need for both pro-active and predictive maintenance. With a focus on connectivity, inter-operability and compatibility, the Ecosystem encourages users to continually add to or upgrade as new technologies become available, or as specific needs change. The Ecosystem's individual apps task oriented apps – like the Horizontal Shaft Alignment with integrated thermography – allow operators to integrate new features and stay up to date with technological advances without having to worry about harmonisation between components.

Simplifying predictive maintenance

In addition to the mobile apps, the Ecosystem consists of Acoem's class-leading sensors, compatible equipment from our partner suppliers and our cloud-based software – all working together to form a virtual protective ring around your machinery's rotating equipment.

Offering unparalleled measurement performance and fast, precision alignment and vibration monitoring, the Ecosystem simplifies maintenance programs and helps extend the lifespan and efficiency of your critical machinery.



Vincent Muller
Maintenance Division CEO

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“Ease of use has always been part of our DNA and providing a holistic solution that delivers a seamless alignment experience is key.

This smart app-based ecosystem creates environments of possibility when it comes to integrating new technology, and ensures that our customers benefit from every update“

Vincent Muller, CEO, 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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