Press Release

Stockholm, Sweden, 17 March 2020

Hexagon enhances its simulation solutions for Smart Factories and Smart Industrial Facilities with the acquisition of CAEfatigue

Hexagon AB, a global leader in sensor, software and autonomous solutions, today announced the acquisition of CAEfatigue Limited, a provider of mechanical fatigue simulation solutions used to improve manufacturing product design, quality, and reliability.

Manufactured products face a multitude of stresses over their lifetime that can cause fatigue and result in everything from safety problems to structural failure. For example, a vehicle’s chassis needs to be able to withstand a variety of dynamic forces – such as road roughness, vehicle speed and movement type – over hundreds of thousands of kilometres of operation. Similarly, piping systems in industrial facilities need to endure dynamic changes in temperature, pressure, weight and other forces over long operational lives. Fatigue analysis of a digital twin enables manufacturers and engineers to predict in-service durability and improve quality before production starts.

CAEfatigue’s software suite, including its flagship product, CAEfatigue Vibration, provides industry-leading performance and accuracy using frequency-domain response, which provides faster, more accurate and more intuitive analysis of the qualitative behavior of systems than the time-domain alternative. Its solutions are used by global manufacturers across multiple industries, including automotive and aerospace and are interoperable with leading computer-aided engineering (CAE) packages.

“CAEfatigue offers solutions for validating design and manufacturing methods – from choice of material to fabrication – enabling decisions during the design phase that improve quality and product life, while saving time, reducing costs and eliminating waste,” says Hexagon President and CEO Ola Rollén. “Not only do these technologies provide a valuable addition to our Smart Factory solutions portfolio, but they also enhance our portfolio of Smart Industrial Facility solutions, which already include a leading suite of analysis tools for pipe stress used by customers in both the design and operation of process plants.”

Founded in 2012 and based in the United Kingdom, CAEfatigue’s team of internationally recognised experts in fatigue research will operate as part of Hexagon’s Manufacturing Intelligence division. The acquisition has no significant impact on Hexagon’s earnings.

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Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.
Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.9bn EUR. Learn more at hexagon.com and follow us @HexagonAB.