

Press Release

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Hexagon collaborates with NVIDIA to transform industrial digital twin solutions

Hexagon's platforms will integrate with NVIDIA Omniverse to enable businesses to become software-defined and realise the enormous potential of industrial automation

Hexagon AB, the global leader in digital reality solutions combining sensor, software and autonomous solutions technologies, announced a collaboration with NVIDIA to enable industrial digital twin solutions that unite reality capture, manufacturing twins, AI, simulation and visualisation to deliver real-time comparison to real-world models.

The collaboration will connect industry-leading technologies from Hexagon and NVIDIA to enable seamless, multi-user workflows through a unified view for factory planning and design, as well as process quality optimisation and operations.

As part of the collaboration, Hexagon's **HxDR** reality capture platform and **Nexus** manufacturing platform will be connected to **NVIDIA Omniverse**, a platform for developing and operating industrial metaverse applications, based on the **Universal Scene Description (USD)** framework. The connected platforms provide complementary technologies that enable customers to advance manufacturing for digital factories and accelerate the power of digital twins for intelligent cities, construction and infrastructure.

"Our Hexagon innovation team has been working with NVIDIA to develop opportunities that unite reality capture, AI, simulation, data analysis and visualisation with seamless collaborative planning platforms," said Paolo Guglielmini, President and CEO, Hexagon. "With NVIDIA technologies and Hexagon's Smart Digital Realities, our solutions will deliver real-time comparisons of real- and virtual-world models."

Through real-time data capture and analyses, Hexagon's Smart Digital Realities™ transform digital twins to provide customers with a 360-degree picture of the real world that helps improve productivity, quality, safety and profitability when used with simulated solutions.

"Every industry is racing to digitalise their physical processes for the next wave of advanced automation," said Rev Lebedian, vice president of Omniverse and simulation technology at NVIDIA. "In collaboration with Hexagon, we'll bridge the gap between the real and virtual worlds — a prerequisite for building digital twins — allowing us to train robots in virtual worlds and bring autonomy to everything that moves."

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Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,000 employees in 50 countries and net sales of approximately 5.2bn EUR. Learn more at [hexagon.com](https://www.hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).