

## Press Release

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# Dassault Systèmes and Verkor Sign MoU to Advance Next-Generation Low-Carbon Battery Development and Manufacturing

- Global leader in virtual technologies and European pioneer in electric vehicle and stationary batteries team up to accelerate the sustainable innovation of lithium-ion batteries
- Best practices for virtual, end-to-end product and process development will optimize collaboration, efficiency and agility at Verkor's first state-of-the-art gigafactory
- Dassault Systèmes' 3DEXPERIENCE platform catalyzes new advances in the development of batteries, from their chemistry to the gigafactory, using virtual twin technology

[Dassault Systèmes](#) (Euronext Paris: FR0014003TT8, DSY.PA) today announced it has signed a Memorandum of Understanding (MoU) with [Verkor](#), a European pioneer in electric vehicle and stationary batteries, to accelerate the development of next-generation lithium-ion batteries and the first gigafactory that will produce them. Together, the two companies aim to nurture a European battery ecosystem that supports Europe's efforts to achieve climate neutrality by 2050.



Under the MoU, the two companies will establish best practices for virtual, end-to-end development of products and manufacturing processes that improve innovation and efficiency, and mitigate technical risks throughout the product lifecycle. Dassault Systèmes' 3DEXPERIENCE platform and transformative knowledge and know-how across the high-tech, transportation and mobility, and energy and materials industries will be the catalysts for establishing new methodologies and ways to innovate sustainably in areas such as product, process and flow simulation, supplier collaboration and total quality management.

Verkor can benefit from long-term support from Dassault Systèmes' technical teams while developing its expertise on the 3DEXPERIENCE platform, to drive unprecedented levels of virtualization when it builds its first gigafactory in Dunkirk, France. Verkor will use the 3DEXPERIENCE platform to build the virtual twins of its batteries and the manufacturing process, including the gigafactory operations.

"Our collaboration with Dassault Systèmes will enable us to address the end-to-end product lifecycle process with the 3DEXPERIENCE platform," said Christopher Raj, Head of Digital, Verkor.

Once built, Verkor's first gigafactory will produce low-carbon battery cells designed to support Europe's net-zero goals, as well as create a European battery value chain of players and solutions. As part of this roadmap, Verkor is deploying Dassault Systèmes' "[High Performance Battery](#)" and "[High-Tech Smart Factory](#)" industry solution experiences based on the 3DEXPERIENCE platform for seamless collaboration, modeling and simulation in one virtual environment.

"Batteries are a cornerstone of a more sustainable Europe. Our 3DEXPERIENCE platform and our battery sector solutions empower battery innovation, from their chemistry definition to the design and engineering of the most advanced gigafactory," said Stéphane Sireau, Vice President, High-Tech Industry, Dassault Systèmes. "As Verkor leads the way in this sector with its ambitious gigafactory project, we can help them leverage virtual twin experiences to accelerate innovation in the development and production of sustainable and high performance battery cells."

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## FOR MORE INFORMATION

Dassault Systèmes' industry solution experiences for the high-tech industry: <https://www.3ds.com/industries/high-tech>

Dassault Systèmes' 3DEXPERIENCE platform, 3D design software, 3D Digital Mock Up and Product Lifecycle Management (PLM) solutions: <http://www.3ds.com>

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## ABOUT DASSAULT SYSTÈMES

Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative 3D virtual environments to imagine sustainable innovations. By creating virtual twin experiences of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production to achieve a more sustainable world for patients, citizens, and consumers. Dassault Systèmes brings value to more than 300,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com)

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