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Bombardier to digitally transform the aircraft engineering process from concept through to production with Siemens Xcelerator

- **Canadian aerospace company to replace legacy systems with Siemens' NX and Capital software to streamline engineering and reduce program cycle time**

Siemens Digital Industries Software announced today that Bombardier, a global leader in aviation, focused on designing, manufacturing and servicing business jets and specialized mission platforms, has expanded its adoption of the Siemens Xcelerator portfolio of industry software for aircraft development to streamline its product engineering processes to meet the challenges of modern aerospace design and push the boundaries of innovation.

[Bombardier](#) has selected Siemens' NX™ software for 3D modeling, simulation and manufacturing during aircraft development and Capital™ software for electronic/electrical systems design. Bombardier has been a user of Siemens' Teamcenter® software for product lifecycle management (PLM) since 2018. This expansion of Siemens Xcelerator will enable Bombardier to leverage the comprehensive digital twin across the full aircraft lifecycle to improve performance and shorten program cycles. Bombardier is replacing its legacy system so they can create a seamless, integrated digital thread, leveraging Teamcenter as the digital thread backbone, to bring mechanical and electrical design together in a PLM-based collaborative environment.

Bombardier has also adopted Siemens' Mendix™ low-code platform. The company's first Mendix app improves efficiency for end-users with search functionality to connect outside application data with Teamcenter. The Siemens Xcelerator solution improves the quality and security of Bombardier's data while saving time and effort for the internal IT team.

"Bombardier's selection of a wider set of software from the Siemens Xcelerator portfolio demonstrates the value the company has realized from using our software as well as the value of a cohesive and comprehensive digital thread to optimize the aircraft development process and accelerate delivery of innovation," said Todd Tuthill, vice president of Aerospace & Defense Industry, Siemens Digital Industries Software. "We look forward to continuing our collaboration with Bombardier as we explore the future of a sustainable aerospace industry together."

"We are pleased to be working closely with Siemens to enhance and optimize our digital aircraft development process," said Glenn Chapnik, Senior Director, Engineering, Projects, Processes and Tools, Project Planning, Bombardier. "With the Siemens Xcelerator portfolio, we can transform our processing capabilities and maximize all parts of the manufacturing process, seamlessly ensuring a solid pathway for further acceleration and innovation."

Collaborating on workforce development
Bombardier is also collaborating with Siemens to reshape the future of its workforce by working with universities and schools to provide students access to Siemens' software to develop the skills they will need to successfully enter the industry after graduation.

"Using Siemens Xcelerator provides an integrated solution spanning across engineering disciplines and downstream users, which could facilitate the use of consistent processes and leverage collaboration across the enterprise. Bombardier looks forward to what we can achieve from these capabilities," added Chapnik.

To learn more about how Siemens Xcelerator is bringing the power of digital transformation to the aerospace and defense industry, visit https://xcelerator.siemens.com/global/en/industries/aerospace.html

Siemens Digital Industries Software helps organizations of all sizes digitally transform using software, hardware and services from the Siemens Xcelerator business platform. Siemens' software and the comprehensive digital twin enable companies to optimize their design, engineering and manufacturing processes to turn today's ideas into the sustainable products of the future. From chips to entire systems, from product to process, across all industries. Siemens Digital Industries Software – Accelerating transformation.

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Siemens Digital Industries (DI) empowers companies of all sizes within the process and discrete manufacturing industries to accelerate their digital and sustainability transformation across the entire value chain. Siemens' cutting-edge automation and software portfolio revolutionizes the design, realization and optimization of products and production. And with Siemens Xcelerator – the open digital business platform – this process is made even easier, faster, and scalable. Together with our partners and ecosystem, Siemens Digital Industries enables customers to become a sustainable Digital Enterprise. Siemens Digital Industries has a workforce of around 70,000 people worldwide.

Siemens AG (Berlin and Munich) is a leading technology company focused on industry, infrastructure, mobility, and healthcare. The company's purpose is to create technology to transform the everyday, for everyone. By combining the real and the digital worlds, Siemens empowers customers to accelerate their digital and sustainability transformations, making factories more efficient, cities more livable, and transportation more sustainable. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a leading global medical technology provider pioneering breakthroughs in healthcare. For everyone. Everywhere. Sustainably.

In fiscal 2024, which ended on September 30, 2024, the Siemens Group generated revenue of €75.9 billion and net income of €9.0 billion. As of September 30, 2024, the company employed around 312,000 people worldwide on the basis of continuing operations. Further information is available on the Internet at www.siemens.com.

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