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Siemens introduces Solid Edge 2025 and Solid Edge X

* Solid Edge 2025 updated with improved data management and collaboration capabilities and enhancements across integrated mechanical and electrical design, simulation and machine tool programming
* New Solid Edge X brings Solid Edge to the cloud; new service delivers simplified IT admin, personalized experiences, collaboration, secure and trusted data management and AI-powered productivity assistance

Siemens Digital Industries Software announced today the 2025 release of Solid Edge® software, bringing new capabilities to its product development software. The latest release also introduces Solid Edge® X software, delivering Solid Edge in a cloud-enabled secure Software as a Service (SaaS) environment, enhanced with new AI-enabled tools to help users work smarter.

“The release of Solid Edge X delivers on Siemens’ strategic goal to bring our industry-leading software to customers as a service. This release delivers toolsets that are open, accessible and as scalable as our customers demand,” said John Miller, senior vice president, Mainstream Engineering, Siemens Digital Industries Software. “Solid Edge delivers transformative technologies that bring together the innate collaborative capabilities of the cloud combined with cutting-edge AI-based tools, allowing our customers to innovate at the accelerated pace that today’s manufacturing industry mandates.”

Solid Edge 2025 includes a range of enhancements to increase modeling speed, improved etch and bend features for sheet metal design, and simplified Model Based Definition (MBD) creation.

“Solid Edge 2025 is very intuitive to use. With simplified and refined workflows, we can design with less keystrokes, allowing us to be more productive, while saving additional time,” said Michael Orr, Design Drafter at Ariel Corporation. “It totally exceeded my expectations.”

**Introducing Solid Edge X**

Solid Edge X delivers the power of Solid Edge software in a secure SaaS environment, offering the easy-to-use features of Solid Edge in a flexible, accessible experience. Solid Edge X helps reduce IT complexity and costs, with automatic updates and secure access from any device. With cloud-based built-in data management, based on Siemens’ industry leading Teamcenter® software and infrastructure, customers can collaborate across engineering and manufacturing disciplines wherever and whenever it is needed.

Included in Solid Edge X, new Artificial Intelligence (AI) powered functionality offers real-time assistance and helps minimize disruptions to engineering workflows. This new capability, available next year, provides in-app product help, enabling engineers and designers to stay focused on the task and find the assistance they need, minimizing disruptions and tailoring help to solve issues immediately.

**Speed and simplify Model Based Definition (MBD) creation:** New hybrid annotation capability in Solid Edge 2025 allows engineers to insert dimensions and feature control frames into designs with an efficient, all-in-one workflow that supports Model Based Definition and provides the tools to quickly and accurately detail 3D models. New Feature control frames and updated Surface Texture symbols help users adhere to ever-changing standards, while automatic dimensioning helps to maintain consistency and minimizes errors.

**Adaptability & customization:** New customization options make it easier for users to tailor their Solid Edge experience and enjoy a personalized design environment. With features like redesigned vertical command bars and enhanced context toolbars, you can streamline your workflows and enjoy greater flexibility.

The new Discovery Center provides a centralized hub where users can access a wide range of resources, learning materials and free trials, accessible from directly within the product, for a seamless experience.

**Elevated sheet metal design:** Continual improvements to Solid Edge’s industry-leading sheet metal capabilities streamline workflows and improve precision. Updates for the Solid Edge 2025 release include support for complex geometries, offering improved bend calculation, making it easier to create accurate sheet metal parts. Bend deduction and bend allowance allow control of material conditions related to manufacturing and tooling. New etch features now support bends and curved faces, automatically placing etches on all relevant faces, while enhanced bend support shows detailed properties and calculation methods.

**Connect, collaborate, share – anytime, anywhere**

Solid Edge includes tools that support integrated collaboration with Teamcenter® Share app, Siemens’ collaboration service, included as part of the Siemens Xcelerator as a Service offering. Teamcenter Share allows users to collaborate on assemblies and track tasks seamlessly within Solid Edge, and create, edit and delete projects as needed. Data can be shared as needed using the service – which now supports datasets up to 500Gb.

For organizations looking to advance their digital transformation, the latest Solid Edge updates also streamline operations when using the integration with Siemens’ Teamcenter® software for Product Lifecycle Management (PLM). Managed data now opens up to 50% faster with accelerated download speeds to enable users to get to work more quickly with complex datasets.

Also enhanced for this update is the ability to define and manage material definitions using the [Integrated Material Management](https://www.youtube.com/watch?v=SdZGNGq_wUw) capability from Teamcenter. This enables customers to define managed material definitions, enabling the control of that critical data for accuracy, consistency, traceability and security – leading to optimized material usage, waste reduction and helping customers to achieve their sustainability targets through accurate, eco-friendly material selection.

**Electrical schematics with cloud-based Capital X**

Solid Edge 2025 integrates with Capital™ Electra™ X software, a new cloud-native electrical design tool from Siemens that allows designers and engineers to create electrical schematics quickly and efficiently. Available on any device, Capital Electra X delivers an intuitive and accessible platform to enhance electrical design capabilities -- improving workflows and reducing overhead costs.

**Smart and simplified machining:** [Solid Edge® CAM Pro software](https://solidedge.siemens.com/en/solutions/products/computer-aided-manufacturing-cam/solid-edge-cam/) brings enhancements to part programming and machining performance with new smart assistance that automatically recommends the best operations, streamlining toolpath creation and easing the programming process while advanced quick roughing and the zig zag milling features simplify offset roughing and face milling. Automatic hole machining also makes selecting prismatic features like slots, steps and holes effortless.

**Faster mesh generation, advanced flow and heat simulation**

Improved integration with [Simcenter™ FLOEFD™ for Solid Edge® software](https://solidedge.siemens.com/en/solutions/products/simulation/solid-edge-flow-simulation/) allows directly imports complex CAD models for analysis, saving time in the simulation setup process. Simplified fluid flow and heat transfer analysis make it easy to evaluate product performance under various conditions. Mesh generation for convergent, faceted and STL geometries is now even faster. With new templates and tools, setting up complex simulations is easier and more streamlined.

**Optimize design projects with NX interoperability and IFC file support**

Interoperability between Solid Edge and NX™ software allows engineers to reuse data and work seamlessly with the software that best meets their needs. Easily transfer section views, advanced PMI, kinematic data and more between Solid Edge and NX. New enhancements support the import and export of International Foundation Class (IFC) file types, a standard in the construction and building industry, allowing users to store and exchange information about construction projects without translation.

To learn more about Solid Edge, the newly announced Solid Edge X and how Siemens’ mainstream engineering software is helping companies of all sizes to innovate faster, visit: [www.siemens.com/solid-edge-2025](http://www.siemens.com/solid-edge-2025)

**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](http://www.siemens.com/software) – Accelerating transformation.

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