

Siemens at SPS 2026: Bringing Industrial AI to Real-World Automation

- **New: TIA Portal Version 21.1, the next generation of Sinamics G frequency drives, Simatic AX Motion Control Engineering and further development of the Eigen Engineering Agent**
- **Siemens' portfolio will be ready for the EU Cyber Resilience Act (CRA) by December 2027**
- **AI-powered autonomous production: Innovation Hub shows Industrial AI in the consumer goods industry and Physical AI in logistics**

At SPS 2026, Siemens showcases its path toward automating automation by bringing Industrial AI to its portfolio. The vision is to realize AI-powered autonomous production for customers across all industries. Moving from hard-coded tasks to goal-oriented workflows will empower industrial companies to automate tasks that they were not able to automate before – they will be able to automate the unknown. This accelerates innovation, increases flexibility and productivity and enables more efficient use of resources.

This requires expertise and innovation across key technology areas: **Connected Automation, Software-Defined Automation and Industrial AI.**

Key innovations at SPS 2026

Connected Automation brings Industrial AI to the shopfloor. It provides a powerful foundation that facilitates horizontal integration across automation systems as well as vertical integration between the shop floor and the digital world, allowing data and insights to flow seamlessly and drive action in real production environments.

- Siemens introduces **TIA Portal V21.1**, a major and future-proof update to its automation engineering framework that for the first time decouples installed software from licensing. For customers that switch to the new version, time-consuming project upgrades are no longer necessary. From now on, they buy features, not versions. The new approach simplifies lifecycle management and reduces engineering effort while ensuring continuous access to software updates and security improvements. New functionalities of TIA Portal include expanded SIMATIC Source Documents for easier version control and continuous integration workflows, responsive design for device independent HMI applications and improved data block handling for more engineering efficiency. Siemens' AI-powered Eigen Engineering Agent is connected to TIA Portal V21.1.
- The Sinamics drives family is expanded with the **next generation of Sinamics G variable frequency drives**. The portfolio evolves from individual drive products toward connected motion that helps machine builders master growing complexity and future challenges. It includes the general-purpose Sinamics G200, the compact Sinamics G210C for targeted machine requirements, the advanced Sinamics G210X specialized for pumps, fans and compressors and the versatile Sinamics G210 all-round drive for diverse continuous motion requirements. For greater efficiency the portfolio simplifies engineering and streamlines integration. Scalable solutions that cover diverse continuous motion applications and machine concepts ensure versatile motion. Integrated safety, cybersecurity and digital capabilities prepare customers for tomorrow's requirements, including the EU Cyber Resilience Act (CRA). All products share a common engineering framework and fit seamlessly into modern automation environments, enabling greater standardization and a consistent user experience.

Software-Defined Automation enables the scale-up of Industrial AI. Siemens plays a pioneering role in this field and continues to drive it forward, for example through IT-like engineering.

- Simatic AX is the engineering environment that brings Software-Defined Automation into practice for PLC and Motion Control Engineering. Unlike traditional automation engineering, it natively relies on software-development methods. This reduces complexity, accelerates development and supports the

growing number of IT-skilled automation engineers. At SPS, Siemens announces the worldwide release of **Simatic AX Logic Control Engineering**.

- Siemens is also launching **Simatic AX Motion Control Engineering**. For the first time, technology objects can be engineered in SIMATIC AX so the workflow works entirely in an IT-like environment. A complete project including motion control can be managed using practices found in software development – with document-based configuration of technology objects with PLCopen support and direct Git integration.
- Both SIMATIC AX Engineering solutions use a consistent text-based approach with standard formats, plain text, CLI and scripting – helping to ensure structured project data and transparent processes. These provide ideal conditions for the deployment and training of AI technologies.

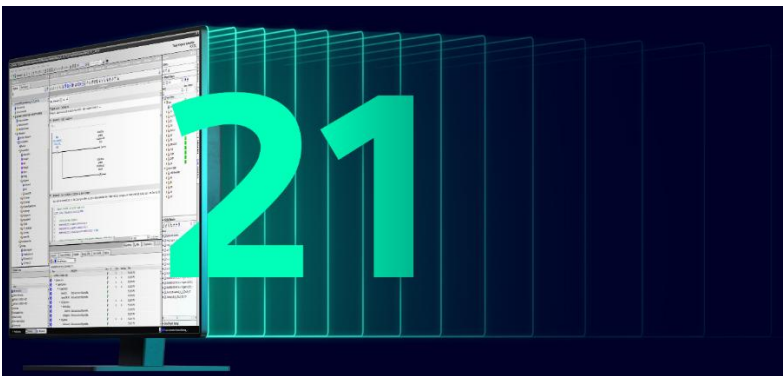
Industrial AI connects everything and takes it to the next level. It makes sense of the data from the real and digital worlds, enabling systems to operate at their fullest potential. It reduces iteration loops and empowers people to make informed, data-based decisions, built on engineering truth and rooted in reality.

- In April this year, Siemens presented its generative AI-powered **Eigen Engineering Agent**. Connected to the TIA Portal engineering framework, it can execute automation engineering tasks such as PLC coding, Human-Machine-Interface (HMI) visualization and device configuration. The capabilities of the agent have expanded with new use cases aimed at increasing efficiency in automation engineering. At SPS 2026, Siemens will showcase several new use cases, including ECAD integration and standards-compliant project generation to support its automation framework. As manufacturers face a growing shortage of skilled engineering talent, AI-assisted engineering is a key lever for faster innovation, improved productivity and greater competitiveness.

Cybersecurity: With regulation for Operational Technology tightening across the EU and the UK, cybersecurity has become the foundation for trustworthy Industrial AI. Siemens brings decades of expertise to this challenge: first and foremost, a defense-in-depth architecture spanning plant, network and system integrity, built on the IEC 62443 standard. This expertise also underpins Siemens' own portfolio, which will be fully ready for the EU Cyber Resilience Act by December 2027.

Innovation Hub: How Industrial AI is shaping the automation of tomorrow

In the Innovation Hub at Siemens' SPS booth visitors can see what can be achieved today as well as the automation of tomorrow – what is possible when Industrial AI is integrated within key technologies, such as Connected Automation, Software-Defined Automation and Comprehensive Digital Twin. To illustrate this, Siemens brings two future scenarios to life: First, a pop-up factory demonstrates how contextualized data can be utilized by Industrial AI solutions and Digital Twin Composer to transform the consumer goods industry. The pop-up factory connects product, production, and supply chains into an adaptive system that brings to life the Digital Enterprise. Second, Siemens demonstrates how the use of advanced Industrial AI approaches such as Agentic AI and Physical AI create the basis for autonomous production of the future. This is illustrated by an intralogistics operations flow.



Caption: Siemens introduces TIA Portal V21.1, a major and future-proof update to its automation engineering framework.



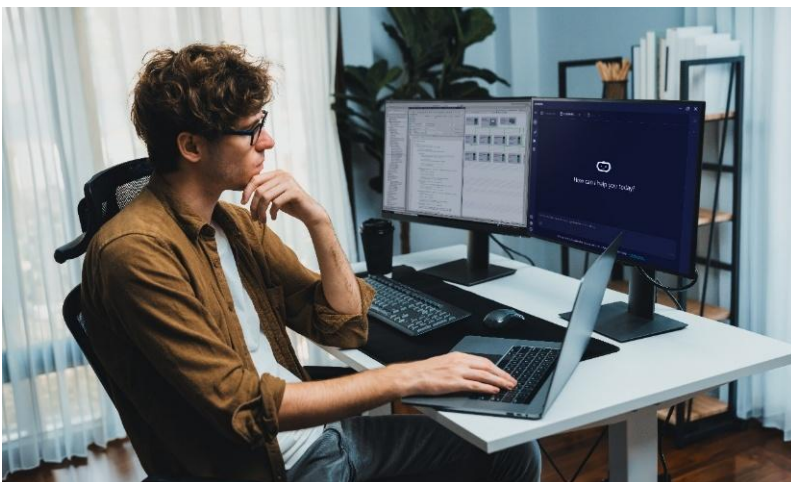
Caption: With the next generation, the Sinamics G variable frequency drives portfolio evolves toward connected motion that helps machine builders master growing complexity and future challenges.



Caption: At SPS, Siemens announces the worldwide release of Simatic AX Logic Control Engineering, the engineering environment that brings Software-Defined Automation into practice for PLC and Motion Control Engineering.



Caption: Siemens launches Simatic AX Motion Control Engineering, which enables the engineering of technology objects.



Caption: The generative AI-powered Eigen Engineering Agent is able to execute automation engineering tasks such as PLC coding, Human-Machine-Interface (HMI) visualization, and device configuration.

This Topic Overview, all pictures as well as further material for journalists around Siemens at SPS can be found here: www.siemens.com/press/sps26



For more information about Siemens at SPS in Nuremberg, Germany, please visit:
<https://www.siemens.com/de-ch/events/sps-fair/>

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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. A leader in industrial AI, Siemens leverages its deep domain know-how to apply AI – including generative AI – to real-world applications, making AI accessible and impactful for customers across diverse industries. 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 2025, which ended on September 30, 2025, the Siemens Group generated revenue of €78.9 billion and net income of €10.4 billion. As of September 30, 2025, the company employed around 318,000 people worldwide on the basis of continuing operations. Further information is available on the Internet at www.siemens.com.