

Siemens at Hannover Messe: from Physical AI to pop-up factories

- **Siemens brings Industrial AI to the entire industrial value chain**
- **AI-enabled humanoid robot as part of a flexible shoe production line**
- **Digital Enterprise & pop-up factories: end-to-end showcase for consumer-packaged goods manufacturers**
- **Siemens in Hall 27, AI in Manufacturing, Booth A48**

Siemens at Hannover Messe 2026 demonstrates how Industrial AI improves the full lifecycle of products and **production systems** – from development and engineering to commissioning, operations, and continuous optimization. The focus is on applications that do not treat AI as a stand-alone analytics tool, but connect it with digital twins, software-defined automation, and a consistent data foundation.

Industrial AI for orchestration and closed-loop optimization

Siemens showcases Industrial AI where it matters in day-to-day operations: as intelligent orchestration across planning, production, and intralogistics. Rather than relying on experts to re-plan manually with every change, AI can align workflows across multiple steps – from planning and simulation to production and intralogistics. In doing so, AI does not replace human experts; it augments them and helps enable non-experts to coordinate complex processes with confidence, supported by AI-driven guidance and recommendations. Processes can also be adjusted using natural language, for example when priorities shift or disruptions require rapid re-scheduling.

Physical AI: humanoid robot in shoe production

One highlight is a Physical AI use case – AI systems that not only provide recommendations but act safely at the shop floor level. At the Siemens booth, visitors can see a flexible, adaptive shoe production setup with additive manufacturing and

high product variability. Siemens presents a dedicated Physical AI cell in which a robot packs manufactured shoes into bags. Integrated into the production process, the robot performs complex, repetitive handling tasks in an AI-enabled and autonomous way.

In combination with a packaging machine, Siemens demonstrates how Physical AI-based automation can be run as a closed loop: sensor data and process states flow back into control and optimization to evolve operations step by step – from adaptive behavior toward self-optimizing, more autonomous operations.

Digital Enterprise: end-to-end from product to supply chain

Another key focus is the Digital Enterprise for Consumer-Packaged Goods (CPG). The end-to-end showcase illustrates how CPG manufacturers can innovate faster and with greater confidence despite increasing product variability, sustainability requirements, volatile demand, and stringent regulation—by breaking down data silos across product development, recipe management, production, infrastructure, and the supply chain.

Using examples from chips, cosmetics, and soft drink production, Siemens demonstrates how a contextualized data foundation connects information and makes Industrial AI actionable at every stage—from idea and specification management to enterprise recipe management (developing recipes, scaling them, and transferring them into production), through manufacturing with digital twins and virtual commissioning. In production and packaging, Industrial AI supports inline quality inspection, changeover optimization, predictive maintenance, and the optimization of plant and building infrastructure. In the supply chain, track & trace and data-driven logistics deliver end-to-end transparency.

Pop-up factories: producing closer to the consumer

Siemens presents modular pop-up factories based on real CPG customer examples. Small, agile facilities bring product, production, and supply chain closer to demand—and therefore closer to the end consumer. This is illustrated with the example of a new beverage whose recipe, sensory profile, and packaging were developed and tested entirely virtually using immersive digital twins and simulations.

Additional demos: energy and distribution infrastructure

Siemens also showcases applications for energy and distribution grids to address rising electrification demand and the modernization of aging infrastructure. Virtualized

protection and control as well as Industrial AI help customers prioritize operational alarms, assess OT vulnerabilities, and turn large, complex datasets into actionable recommendations which improves safety, reliability, and sustainability while reducing operating and total lifecycle costs.



Siemens booth at Hannover Messe: Hall 27, AI in Manufacturing, Booth A48

For more information about Siemens' Industrial AI solutions, please visit:

<https://www.siemens.com/en-us/company/artificial-intelligence/>

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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.