

Nuremberg, January 16, 2025

Siemens scales up private 5G infrastructure with expanded coverage and availability in more countries

- **Siemens enhanced its private 5G infrastructure to cover larger industrial areas**
- **Solution now available in six European countries and Brazil, with more countries to follow in 2025**
- **New compact 5G router, part of Siemens Xcelerator portfolio, launched for cabinet use**

The technology company Siemens announced a significant update to its industrial-grade private 5G infrastructure solution, that will enable manufacturers to cover larger industrial areas with enhanced connectivity capabilities. The expanded solution now supports up to 24 radio units, with each unit capable of covering approximately 5,000 m².

The updated private 5G infrastructure is now available in multiple countries including Germany, Sweden, Netherlands, Switzerland, Denmark, Austria, and Brazil, and there are plans to expand to additional countries throughout 2025. When the initial version of Siemens' private 5G infrastructure was launched in 2023, it was exclusively available in Germany. To complement the infrastructure expansion, Siemens is also introducing the new compact Scalance MUB852-1, an entry-level 5G router for cabinet use with IP20 protection class, part of the Siemens Xcelerator portfolio. The router matches the Siemens Simatic ET200 I/O footprint and integrates seamlessly into Siemens' Totally Integrated Automation (TIA) landscape.

"Our enhanced private 5G infrastructure solution represents another milestone in connected production," said Axel Lorenz, CEO of Process Automation at Siemens.

"By enabling coverage of larger industrial areas while maintaining the same reliable connectivity, we're meeting the growing demands of modern manufacturing environments."

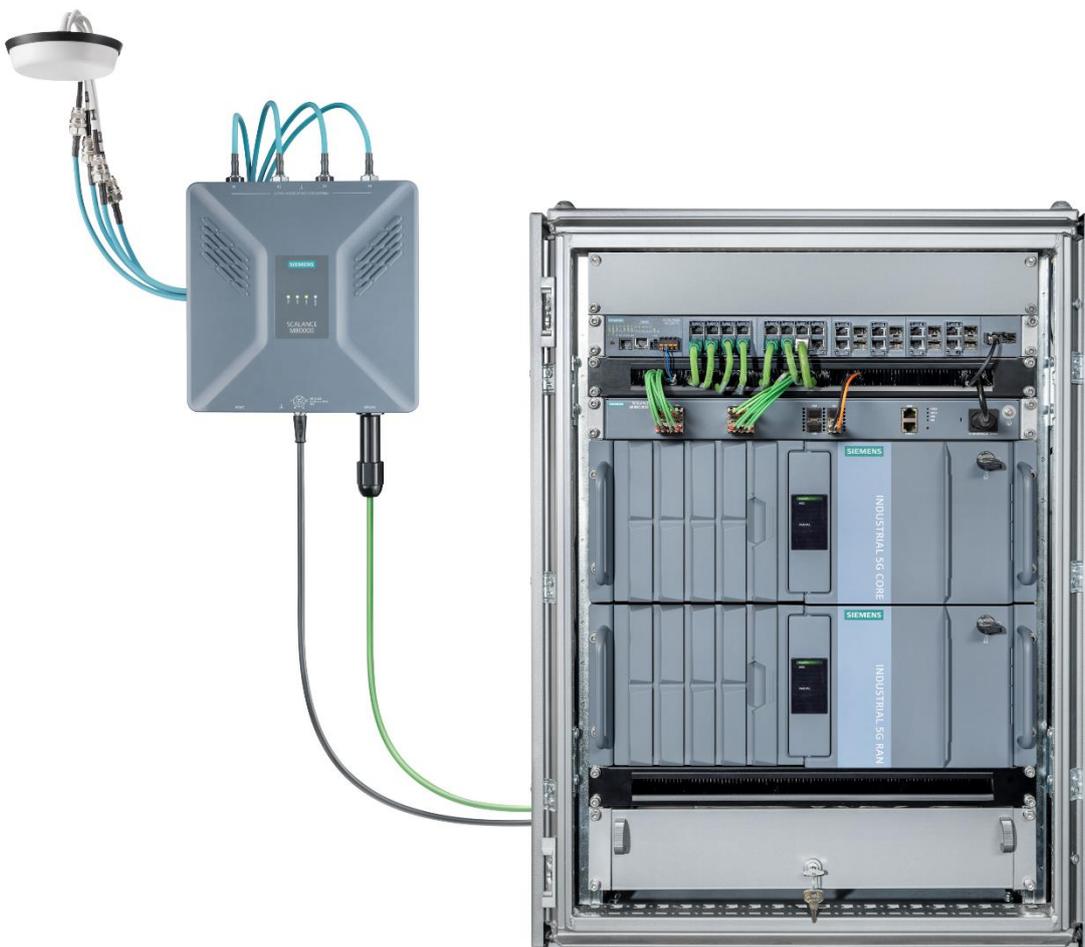
The enhanced solution comes at a crucial time, when reliable wireless connectivity in factory environments is facing increasing challenges. The traditional unlicensed Wi-Fi spectrum often becomes overloaded in crowded settings, leading to communication outages and potential production shutdowns. Siemens' private 5G infrastructure directly addresses these challenges by providing a dedicated, network solution for mission-critical applications. Private 5G networks also create the flexible communication infrastructure needed to easily integrate smart sensors and edge devices, enabling data-driven decisions on the shop floor through artificial intelligence applications.

User-friendly design meets industrial requirements

Building on these capabilities, Siemens has developed this solution specifically for industrial use cases and requirements. The system features an innovative, user-friendly approach with a straightforward configuration process that only requires about 20 variables in a single comprehensive Web user interface. A clearly arranged dashboard offers a comprehensive overview of the network status making it accessible even for non-IT users. While many industry solutions require specialized expertise, Siemens' approach prioritizes user-friendly operation and simple implementation to support mission- and business-critical applications.

This private 5G infrastructure will be extremely valuable across a variety of industrial sectors, including manufacturing, food and beverage, pharmaceuticals, intralogistics, heavy industries, and mining. The system allows companies to operate their networks independently without relying on third-party providers, which ensures enhanced cybersecurity and data privacy thanks to on-site installation. Users can flexibly modify their networks to meet changing demands and perform fast troubleshooting when necessary.

"The industrial world is moving away from the 'one-size-fits-all' approach to wireless connectivity. With our private industrial 5G infrastructure, we're giving manufacturers the tools to design their digital backbone exactly the way they need to, whether they're running a single production line or an entire smart factory complex," Lorenz said.



Siemens' private industrial 5G infrastructure now supports up to 24 radio units

For more information about Siemens' industrial wireless and private 5G offering for industry, please visit: <https://www.siemens.com/5G>

This press release can be found at: <https://sie.ag/2TecTq>

Contact for journalists:

Christoph Krösmann

Phone: +49 162 7436402; E-mail: christoph.kroesmann@siemens.com

Follow us on social media

Blog: blog.siemens.com

LinkedIn: linkedin.com/siemens-industry

X: x.com/SiemensIndustry

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.