

## Reinventing the edge: Siemens, Cadolto and Legrand introduce new modular data center

- **Fast, scalable and sustainable: game changing “all-in-one” modular data center solution to power next wave of digital transformation**
- **Siemens acting as exclusive technology partner – providing and integrating energy and building automation systems with flexible financing**
- **Optimized for evolving IT demands – from standard data processing to high-performance AI applications**

Siemens Smart Infrastructure, Cadolto Datacenter GmbH (Munich, Germany), and Legrand Data Center Solutions (Baiersdorf, Germany) are jointly unveiling a next-generation modular edge data center – a turnkey solution engineered for speed, scalability, and sustainability. The innovative system will debut at Data Center World Frankfurt, taking place on June 4–5, 2025.

As demand for reliable, high-performance computing accelerates – driven by AI, edge processing, and data-intensive applications – businesses need more than just capacity. They need agile, efficient, and rapidly deployable infrastructure that scales as fast as their ambitions. This new modular solution delivers just that: a fully integrated, plug-and-play data center that can be configured, installed, expanded, and relocated with unprecedented ease.

Unlike containerized data centers, this solution offers customizable, prefabricated modules that can be tailored to unique operational needs and deployed in a fraction of the time – with planning cycles from six to 12 months. The data center supports everything from basic workloads to high-density, AI-powered computing.

Acting as an exclusive technology partner, Siemens integrates its full suite of Smart Infrastructure technologies – from medium- and low-voltage power distribution, to building automation, fire safety, and physical security systems. Optional maintenance contracts and connection to a 24/7 emergency and service control center complete the solution. As both product provider and integrator, Siemens ensures seamless system interaction, minimizes interface complexity, and accelerates deployment. With Siemens Financial Services providing flexible financing and rental models, businesses can scale up infrastructure without upfront capital investment. Cadolto Datacenter acts as manufacturer and general contractor of the modular edge data center, delivering the prefabricated modular building with integrated climate control. Legrand Data Center Solutions brings its expertise in IT white space infrastructure – from racks and structured cabling to intelligent Power Distribution Units (PDUs) and Uninterruptible Power Supply (UPS) systems.

“With digital transformation accelerating across every industry, our customers need infrastructure that moves as fast as they do,” said Ciaran Flanagan, Global Head of Data Center Solutions & Services at Siemens AG. “This solution offers all the performance of a traditional data center, but with the agility to scale quickly, tailored to our customers’ specific needs. When ramping up capacity, it’s just a case of plugging it in.”

The fully equipped, energy-efficient data centers are suitable for both permanent operation and interim use. They can be deployed wherever needed – from secure high-performance computing in pharmaceutical environments to temporary applications such as test setups in the automotive sector, space-constrained office locations, or even disaster recovery scenarios. “IT-ready” rental models enable fast deployment without upfront investment, making them ideal for temporary IT hubs, lab environments, or other short-term infrastructure needs.

Each unit of the modular edge data center is factory-built with precision engineering and delivered ready-to-operate, minimizing on-site disruption and enabling live upgrades without downtime. With approximately 30 percent fewer CO<sub>2</sub> emissions during construction, a 90 percent recycling rate, and fully reusable components, it’s a future-forward approach to sustainable digital infrastructure.

Visitors can experience the new solution first-hand at Data Center World Frankfurt, Hall 8, Catering Area CA4 – where a full-scale demo unit will be on display.

This press release as well as press pictures are available [here](#).

For more information on Siemens Smart Infrastructure, please see [Siemens Smart Infrastructure](#).

For more information on Siemens solutions for data centers, please see [here](#).

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**Siemens Smart Infrastructure (SI)** is shaping the market for intelligent, adaptive infrastructure for today and the future. It addresses the pressing challenges of urbanization and climate change by connecting energy systems, buildings, and industries. SI provides customers with a comprehensive end-to-end portfolio from a single source – with products, systems, solutions, and services from the point of power generation all the way to consumption. With an increasingly digitalized ecosystem, it helps customers thrive and communities progress while contributing toward protecting the planet. To protect this journey, we foster holistic cybersecurity to ensure secure and reliable operations. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2024, the business had around 78,500 employees 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. 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 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](http://www.siemens.com).