

Siemens supplies DB Energie with software to modernize their transmission grid operations

- **Siemens to deliver grid control software to DB Energie**
- **Spectrum Power 7 software system supports a safe and efficient power supply for the German railway network**
- **Improves handling of increasing network complexity, anomalies and security threats, whilst enabling optimized ease of use for operators**

Siemens Smart Infrastructure will supply DB Energie with software for modernizing network operations. DB Energie, responsible for supplying energy to trains, railroad facilities and real estate across Germany, will replace its existing grid management system Spectrum Power 4 with the upgraded Spectrum Power 7 – part of Siemens Xcelerator.

Besides Spectrum Power 7, the scope includes a range of applications and optimization functions, a fully integrated data warehouse for long-term archiving, necessary hardware such as server and network components, dedicated training systems, as well as the planning software PSS@SINCAL as part of Siemens Gridscale X. Meeting the latest security requirements will be ensured through continuous system updates. The comprehensive solution will allow DB Energie to efficiently operate its complex private transmission grid consisting of approximately 16,000 km of traction power lines, 200 high-voltage switchgear and around 50 generator units. The new control system is expected to be operational in 2028.

Sabine Erlinghagen, CEO of Siemens Grid Software, said: “We are delighted to strengthen our partnership with DB Energie, supporting them to address the complexities of grid management with our technology. Ensuring a resilient and safe power supply is essential for the German railway network.”

The project is based on a long-term partnership with DB Energie. In January 2025, Siemens replaced the grid controller at DB Energie to enhance reliability and secure grid operations. The controller ensures that all grid generator units are used optimally to keep the voltage and frequency on a constant level and to guarantee cost-efficient energy supply.

The deployment also aligns with Deutsche Bahn's ambitious target to become climate neutral by 2040 through initiatives such as expanding green electricity, phasing out diesel and transitioning heating.

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

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

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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. 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. 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.

