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Press

Siemens tech protects cultural assets at Berlin State Library and cuts costs and emissions

- **Extension of decarbonization program with German Federal Government saw 'Staatsbibliothek zu Berlin' (Berlin State Library) retrofitted, without using own financial resources**
- **Services as well as building technology support national climate goals to reduce CO_2 emissions of government-owned assets by 65 percent by 2030**
- **Guaranteed energy cost savings of €19.8m within 10 years and yearly CO_2 emissions reduction of 3,745 tons**
- **Siemens has already successfully implemented retrofits to seven cultural buildings, resulting in nearly €25m gross energy savings**

Siemens Smart Infrastructure implemented smart building technology at the 'House Potsdamer Strasse' of the 'Staatsbibliothek zu Berlin' (Berlin State Library), Germany, and since then has continued with its services to enhance sustainability and energy efficiency at the site. The project ensures a constant indoor climate at the library to preserve its valuable cultural assets even better. The contract is an extension of a larger decarbonization program with the German Federal Government, which already saw seven cultural properties, including museums, galleries and libraries, retrofitted by Siemens since 2007. The contract supports the national climate protection program to reduce CO_2 emissions of government-owned assets by 65 percent by 2030 compared to 1990 levels.

The extension of the program for the Berlin State Library includes energy consumption analysis and reduction planning as well as technology implementation, operations and services. To help the library to reach its decarbonization targets, Siemens deployed advanced building technology. This includes the company's comprehensive building automation system Desigo, room operator units, sensors

and detectors, as well as a cloud-based energy and asset management platform, powered by Siemens' digital building platform, Building X. In addition, Siemens ensures optimized process control through Heating, Ventilation and Air Conditioning (HVAC) products, including flexible supply air control and a connection to district cooling with a total output of 2.5 megawatts. Furthermore, 5,300 LED lights have been installed.

"The Berlin State Library has a rich history spanning more than 360 years. To preserve its valuable, high-diversity assets even better, it requires consistent environmental parameters. Siemens is delighted to supply the technology that enables it to sustain these conditions, while also reducing energy consumption by 52 percent," said Constantin Ginet, Executive Vice President, Sustainability, Siemens Smart Infrastructure Buildings. "The latest contract, focused on services, builds on the success of the initial phase of the project. With guaranteed energy cost savings fully financing all project costs, this cooperation serves as a blueprint for reaching sustainability targets for millions of cultural facilities around the globe."

"Siemens' holistic approach, deep expertise, and innovative financing model make it a perfect match to help us – and the national program – to achieve substantial energy savings and sustainability improvements, while still maintaining the optimal conditions required to safeguard our priceless cultural heritage through continuous monitoring," Reinhard Altenhöner, Deputy General Director at Staatsbibliothek zu Berlin, added.

Since 2007 Siemens has supported seven of Berlin's cultural institutions to achieve remarkable sustainability results, including an outcome of nearly €25m gross energy savings, and eliminating around 3,745 tons of annual CO_2 emissions. With the completion of the tech implementation at the eighth facility, the Berlin State Library, the collaboration results in a total of around €45m gross energy savings and eliminating around 11,745 tons of annual CO_2 emissions, while continuing with constant energy monitoring and data-based advisory services for all eight buildings.

Building X is a digital building platform that supports customers to digitalize, manage, and optimize their building operations, paving the way for sustainable, autonomous, and profitable assets. It is part of Siemens Xcelerator, an open digital business platform that enables customers to accelerate their digital transformation easier, faster and at scale.

This press release as well as a press picture 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. 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.