

Siemens partners with Alliander to accelerate flexible grid management in the Netherlands

- **Siemens chosen as technology partner of Alliander, a major Dutch network company, for flexibility management**
- **Strategic partnership to tackle critical challenges of energy transition, especially reducing capacity restraints**
- **Implementation of Siemens' Gridscale X platform to extend grid utilization in the Netherlands by up to 30 percent, serving 3.5 million energy customers**

Siemens and Alliander, a major Dutch network company, with its daughter company Liander, the biggest Dutch distribution system operator (DSO) in the Netherlands, have entered a strategic partnership to accelerate the energy transition and tackle key challenges in distribution grid management. Siemens' Gridscale X platform will be used by Alliander to reduce grid congestion and increase grid utilization. It is estimated that this partnership could extend the grid usage in the Netherlands by 10 to 30 percent.

Alliander is an energy utility company that distributes gas and electricity in the Netherlands, serving approximately 3.5 million customers. With more than half of Dutch energy now coming from renewable sources and increasing customer demand (with waiting lists up to 10 years), ensuring reliable energy supply and grid stability is essential. Flexibility is crucial to address these challenges, as it can help identify which grid segments require capacity upgrades, and which can be managed by flexibility, optimizing resource allocation, and reducing unnecessary costs, to connect customers faster.

"Flexibility management is vital for a sustainable and resilient grid, making it possible to efficiently integrate renewable energy sources and meet the evolving demands of our modern energy system. That is why we are delighted to combine forces with a key ecosystem partner such as Alliander. Using our Gridscale X platform, they will be able to increase their flexibility management capabilities, and scale their customer satisfaction," said Sabine Erlinghagen, CEO of Siemens Grid Software.

Daan Schut, Chief Transition Officer and Member of the Board of Alliander, added "Alliander faces immense challenges with the energy transition, resulting in customers awaiting grid connections. To tackle this, over the past few years we have been developing and building solutions that enable Alliander to increase grid utilization. We follow an open strategy and are willing to cooperate with other DSOs and industry partners. The vision is to create an ecosystem of organizations building and operating solutions fit to handle the challenges of the energy transition. Partnering and sharing knowledge of software with Siemens allows us to leverage their open and interoperable software to develop solutions that will help us ensure a more stable, sustainable grid for our customers."

About Gridscale X

Gridscale X is a software platform that paves the way for autonomous grid management. It is part of Siemens Xcelerator, an open digital business platform that enables customers to accelerate their digital transformation easier, faster, and at scale. Gridscale X LV Insights (which will be used by Alliander) supports DSOs to create a valid, ready-to-use digital representation (digital twin) of the physical grid, serving as a single source of truth. This digital twin supports the continuous and automated steps of detecting, assessing, and acting, enabling DSOs to prioritize investments effectively and quickly leverage untapped grid capacity while maintaining reliability.

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, 2023, the business had around 75,000 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 shaping the future of healthcare.

In fiscal 2023, which ended on September 30, 2023, the Siemens Group generated revenue of €74.9 billion and net income of €8.5 billion. As of September 30, 2023, the company employed around 305,000 people worldwide on the basis of continuing operations. Further information is available on the Internet at www.siemens.com.