

Siemens planning to build one of Europe's most powerful battery storage facilities

- **Letter of intent signed for the construction of one of Europe's largest energy storage facilities in Wunsiedel, Germany**
- **Zukunftsenergie Nordostbayern GmbH aims to store locally-generated electricity from renewable energy and reduce CO₂ emissions**
- **Siemens to supply 100 megawatt turnkey plant**
- **Partners to examine implementation, develop suitable financing concept**

Siemens Smart Infrastructure and Zukunftsenergie Nordostbayern GmbH (ZENOB) signed a letter of intent in Wunsiedel for the turnkey construction of a 100 megawatt battery storage facility in the German town. The plant, with a storage capacity of 200 megawatt hours, is intended to use surplus renewable energy and cover demand peaks in the power grid. The 5,000 square meter energy storage facility is capable of supplying 20,000 average households with electricity. The lithium-ion battery storage system will be provided by Fluence, a joint venture between Siemens and AES. Siemens will handle project management, including a technical implementation concept, as well as the construction of a medium-voltage switchgear system and connection to the high-voltage grid. Among other things, the letter of intent also includes the development of a financing concept.

“Electricity storage facilities are an important building block for shaping the future of energy,” said Marco Krasser, Managing Director of SWW Wunsiedel GmbH, one of the partners in Zukunftsenergie Nordostbayern GmbH. “They can help stabilize the grid and make better use of energy generated from renewable sources. They draw surplus power from the grid and feed it back when electricity demand is higher. Smart storage technology will increase the local and national supply of green power. That is why we are gradually expanding the capacity.”

The planned storage system from Fluence will be able to store and release large amounts of green power. This will allow the more flexible use of clean energy beyond the hours of production, including during periods of expensive peak load.

“This also benefits the upstream grid operator because it gives them more flexibility to compensate for voltage fluctuations, which are increasingly common because of the expansion of renewable energy generation,” said Bernd Koch, Head of Technology Performance Services at Siemens Smart Infrastructure Germany. For the network operator, the solution promises significant relief. “Switching on and off large industrial plants in the grid area requires a lot of electricity,” said Siemens’ project manager Andreas Schmuderer. “Up to now, the network operator has had to maintain considerable reserves. If these can be eliminated in the future, there will be great potential for reducing CO₂ emissions in the local energy market.”

Last week saw the official groundbreaking for the construction of a hydrogen generation plant with a capacity of 8.75 megawatts in Wunsiedel. Once operational in 2022, the facility will produce up to 1,350 tons of hydrogen per year using only renewable energy, for example from solar or wind power.

This press release and a press picture are available at

<https://sie.ag/2VOI9CS>

For more information about Siemens Smart Infrastructure, please see

www.siemens.com/smartinfrastructure

For further information on Wunsiedel, please see

www.siemens.com/wunsiedel

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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. SI creates environments that care. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2020, the business had around 69,600 employees worldwide.

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. Active around the world, the company focuses on intelligent infrastructure for buildings and distributed energy systems and on automation and digitalization in the process and manufacturing industries. Siemens brings together the digital and physical worlds to benefit customers and society. Through Mobility, a leading supplier of intelligent mobility solutions for rail and road transport, Siemens is helping to shape the world market for passenger and freight services. Via its majority stake in the publicly listed company Siemens Healthineers, Siemens is also a world-leading supplier of medical technology and digital health services. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power that has been listed on the stock exchange since September 28, 2020.

In fiscal 2020, which ended on September 30, 2020, the Siemens Group generated revenue of €55.3 billion and net income of €4.2 billion. As of September 30, 2020, the company had around 293,000 employees worldwide. Further information is available on the Internet at www.siemens.com.