

# Press release

Shanghai, November 5-10, 2021, China National Convention & Exhibition Center, Low-carbon Energy and Environmental Technology Subsection, 3B3-002

## Siemens Energy to present a number of low-carbon technology products at the 4th CIIE

- Attend the CIIE as an independent exhibitor for the first time with theme of "Let's Energize Society"
- To Exhibit innovative low-carbon technology such as green hydrogen for the first time to support China's development of a roadmap for carbon-peak technology
- To sign dozens of agreements with Chinese partners to deepen comprehensive cooperation along energy industry chain

Siemens Energy will present at the 4th China International Import Expo (CIIE) with an exhibition theme of "Let's Energize Society". As a global energy technology company, Siemens Energy will exhibit its innovative low-carbon technologies and products along the energy industry chain in the "Low-carbon Energy and Environmental Technology Subsection" which will be set up for the first time at the Fair. During the exhibition, Siemens Energy will also sign numerous cooperation agreements with Chinese partners to deepen international collaboration, proactively promote China's carbon neutrality process and accelerate energy transition.

"Facing challenges of climate change, this year's CIIE is of special significance. To achieve the goal of carbon peak and carbon neutrality, energy transition is the way to go and energy companies will definitely make a difference in this transformation. We will showcase Siemens Energy products, technology, solutions and services in the global low-carbon development and exchange information in this regard to provide references for China to identify a practical technological path for low-carbon development and build a new sustainable energy ecosystem together with our Chinese partners," said Yao Zhenguo, Senior Vice President of Siemens Energy AG and Head of Siemens Energy Hub China.

Siemens Energy has been operating independently worldwide in 2020. This year's CIIE will be the first time for the company to participate as an independent exhibitor, presenting a wide range of technology and products covering industrial applications, power generation, transmission and new

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energy business. Items on display for the first time globally include a multimedia interactive model which presents the entire energy industry value chain and the prospect of a low-carbon transition through virtual reality technology.

In addition, Siemens Energy will also present its green hydrogen solution. Against the backdrop of the current global energy transition, hydrogen is recognized as the best carbon-neutral integrated energy carrier and is seen as the key to explore energy future. Siemens Energy will showcase the first megawatt-scale green hydrogen production solution which is jointly implemented by Siemens Energy and State Power Investment Corporation in the Yanqing district of Beijing. The project is now in the final stage of commissioning and will be the first comprehensive integrated-energy station featuring green hydrogen production and fueling based on PEM (Proton Exchange Membrane) technology.

Siemens Energy will also exhibit its zero-carbon underground substation solution and its Blue GIS technology, the most environmental-friendly SF6-free high-voltage switchgear for the first time. Gas-insulated switchgear is one of the core components of substations. Currently, SF6 is commonly used as the insulating gas in high-voltage switchgear in China, which causes 25,200 times more greenhouse gas effect than carbon dioxide and takes 3,400 years to dissipate into the atmosphere. The innovative Blue GIS technology on display can make contributions equaling to CO2 emission cuts of more than 300 tons over its entire life cycle. Siemens Energy plans to produce this product locally in China and expects to complete the assembly and delivery of the first Blue GIS in the first half of 2022.

In wind power sector, Siemens Gamesa, a global leader in renewable energy, whose holding company is Siemens Energy, will also present a model of the proven SG 11.0-200 DD 11 MW offshore wind turbine for the first time during CIIE. Since its launch 10 years ago, Siemens Gamesa's direct-drive offshore wind turbine technology platform has seen more than 1,400 offshore wind turbine installations. Its onshore and offshore wind turbines around the world help customers reduce their carbon emissions by more than 260 million metric tons per year.

Siemens Energy took the lead in signing up with the next CIIE in August this year, and has participated in the preparations of the next CIIE and joined in the Low-carbon Energy and Environmental Protection Technology Professional Committee set up by the CIIE Bureau. By doing so, Siemens Energy aims to support the CIIE in creating a more open platform so as to promote exchanges and cooperation in the field of low carbon and environmental protection technology.

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**Siemens Energy** is one of the world’s leading energy technology companies. The company works with its customers and partners on energy systems for the future, thus supporting the transition to a more sustainable world. With its portfolio of products, solutions and services, Siemens Energy covers almost the entire energy value chain – from industrial applications to power generation and transmission and to storage. The portfolio includes conventional and renewable energy technology, such as gas and steam turbines, hybrid power plants operated with hydrogen, and power generators and transformers. Currently, Siemens Energy has decarbonized more than 50 percent of its portfolio and has been committed to the application of new energy technology such as green hydrogen and Power-to-X. [www.siemens-energy.com](http://www.siemens-energy.com).

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