

# Press release

Beijing, August 19, 2020

## Siemens Energy launches its first megawatt green hydrogen production project in China

- **First Siemens Energy electrolysis project in China**
- **Cooperation with SPIC on green hydrogen**
- **Lighthouse project for ongoing energy transition**

Siemens Energy and Beijing Green Hydrogen Technology Development Co., Ltd., a subsidiary of China Power International Development Ltd. (China Power), signed an agreement on providing a hydrogen production system for a hydrogen fueling station. Located in Yanqing District, Beijing, one of the three main competition areas for a major sporting event in 2022, the green hydrogen production solution provided by Siemens Energy will help guarantee the hydrogen supply for the public transportation during and after the event. The megawatt green hydrogen production solution is the first of its kind to be built by Siemens Energy in China. The project is expected to be delivered in May 2021.

In September 2019, Siemens signed a Memorandum of Understanding on cooperation in green hydrogen development and comprehensive utilization with State Power Investment Corporation Limited (SPIC), which is the ultimate controlling shareholder of China Power. The hydrogen production project is the result of a close partnership between the two companies. The two sides also plan to further expand their cooperation on green hydrogen projects.

“The decarbonization of the energy systems is a challenge that every country must face. Siemens Energy is the company that can provide its customers with significant support in this process – no matter if they are states or companies.

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Promoting the application and development of renewable hydrogen is of great significance for China to build a modern and cleaner energy system,” said Christian Bruch, CEO of Siemens Energy. “Together with our partner SPIC, we are making an important contribution to tackling climate change and reducing carbon emissions.”

“SPIC is committed to working together with Siemens Energy to continue our cooperation in the field of clean energy and to leverage the complementary advantages of both parties. Together we will contribute to the development of clean energy in order to cope with climate change together”, said Qian Zhimin, Chairman of SPIC.

Siemens Energy is helping its customers achieve their decarbonization goals by building infrastructure for Power-to-X and making a global contribution to cross-sector decarbonization. Siemens Energy offers all core technologies for a long-term CO<sub>2</sub>-free energy supply – from power and heat generation by renewable energies or gas-fired power plants, to power transmission and distribution, to efficient electrolyzer solutions for hydrogen production.

Electrolyzers use electricity to split water into its components oxygen and hydrogen. The hydrogen produced only in this way is called green if the electricity used comes exclusively from a renewable source, i.e. from wind farms, solar plants, hydro or geothermal power plants. As the core equipment of the hydrogen integrated energy station, Siemens Energy’s PEM (Proton Exchange Membrane) electrolyzer system Silyzer 200 can produce high-quality hydrogen at industrial scale. In addition, the hydrogen production system responds quickly, the start-up time under pressure is less than one minute, and it can be directly coupled with renewable energy. In order to meet customer needs of saving space and being flexible, Siemens Energy has adapted its hydrogen production system into a customized solution, which is also its first skid-mounted megawatt green hydrogen production system in China.

This press release and a press picture are available at

<https://sie.ag/2PZ44Bd>

For further information on Siemens Energy, please see

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It will offer broad expertise across the entire energy value chain, along with a comprehensive portfolio for utilities, independent power producers, transmission system operators, the oil and gas industry, and other energy-intensive industries. With its products, solutions, systems, and services, Siemens Energy will address the extraction, processing, and transport of oil and gas as well as power and heat generation in central and distributed thermal power plants, and power transmission and technologies for the energy transformation, including storage and sector-coupling solutions. The majority stake in Siemens Gamesa Renewable Energy will round out its future-oriented portfolio. With its commitment to leading the way in decarbonization of the global energy system, Siemens Energy will be a partner of choice for companies, governments, and customers on their path to a more sustainable future. With around 90,000 employees worldwide, Siemens Energy will help shape the energy systems of today and tomorrow.

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