

Press release

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Siemens Gamesa blazes a trail in Sweden securing first order for industry leading 170-meter rotor onshore turbine

- It has now sealed Scandinavian deals for the two variants of the Siemens Gamesa 5.X platform highlighting its strong fit with northern Europe markets
- The company will supply eight SG 5.8-170 to Danish developer Eurowind Energy A/S. The turbines will operate at up to 6.2 MW delivering unmatched annual energy production
- Wind turbines to be covered by 25-year full-service agreement

Siemens Gamesa continues to push the boundaries of onshore wind power following the first order for industry leading 170-meter rotor wind turbine. The company will deliver eight units of the SG 5.8-170 to Danish developer and wind turbine operator Eurowind Energy A/S for the Knöstad project (46 MW) located near Karlstad, in Sweden.

The landmark order will mark the debut of the onshore wind turbine with the largest rotor in the industry, capable of capturing more wind in medium and low wind sites. Additionally, the turbines will operate at a capacity of up to 6.2 MW, resulting in record high annual energy production (AEP). Siemens Gamesa has also secured a 25-year full-service agreement.

This will be the second project to feature the Siemens Gamesa 5.X platform in Sweden. In December, the company reached an agreement to supply 35 SG 5.8-155 to Arise AB and Foresight for the Skaftåsen project. In less than a year since its launch, the company has secured orders for the turbine's two variants, which have rotors of 155 and 170 meters respectively.

"We are delighted to see how fast this platform is penetrating the Scandinavian market, one of the most sophisticated in the world when it comes to wind power. This deal also marks an extension of our strong partnership with Eurowind Energy A/S having worked together in the Thorup Sletten project. It is always rewarding to see customers committed to strengthening our collaboration," said Alfonso Faubel, Siemens Gamesa's Onshore CEO.

"After a successful integration of the Thorup Sletten project in Denmark, the country's largest onshore wind farm in operation, we are happy to further strengthen our relationship with Siemens Gamesa with the Knöstad project. We are looking forward to start building with the largest onshore turbine available at present," said Jens Rasmussen, CEO of Eurowind Energy A/S and added: "At Eurowind Energy A/S, we believe that a continuous improvement of LCoE is evident for the industry and we consider the SG 5.8-170 as a step in this direction".

As one of the largest consumers of electricity per capita in the world, Sweden has pioneered the adoption of new technologies to bring down both the cost of the electricity and CO₂ emissions. According to WindEurope, the country is expected to double its wind capacity from 7.4 GW to 14.9 GW by 2023 and the government has set a target of 100% renewable electricity production by 2040. One single SG 5.8-170 turbine is capable of providing enough power for close to 5,000

European homes a year, while avoiding the emission of 15,000 tons of CO₂ over the same period, the equivalent to planting 200,000 trees.

The wind turbines will be installed during the second half of 2021 in an area of forest. They will have a 115-meter hub height tower, meeting the maximum height permitted even with the turbine's large rotor size. The SG 5.8-170 is ideally suited to optimize energy production from the low to medium high wind speeds found on site.

Siemens Gamesa 5.X: low innovation risk

The Siemens Gamesa 5.X combines the best of the company's engineering schools, producing a technologically superior wind turbine built on proven solutions to reduce risks. The platform introduces the largest unit capacity in the Siemens Gamesa onshore portfolio and the largest rotor diameters, 155 and 170 meters, which optimize performance in high-, medium- and low-wind conditions.

With a highly flexible design that enhances the entire value chain, from manufacturing through logistics to construction and service, the platform's versatility makes it suitable for a broad range of sites. The platform also integrates advanced control technologies and strategies to offer flexible power ratings depending on noise requirements, ambient temperature and electrical performance, further expanding its suitability for all kind of sites.

About Siemens Gamesa Renewable Energy

Siemens Gamesa is a global leader in the wind power industry, with a strong presence in all facets of the business: offshore, onshore and services. The company's advanced digital capabilities enable it to offer one of the broadest product portfolios in the sector as well as industry-leading service solutions, helping to make clean energy more affordable and reliable. With more than 100 GW installed worldwide, Siemens Gamesa manufactures, installs and maintains wind turbines, both onshore and offshore. The company's orders backlog stands at €28 billion. The company is headquartered in Spain and listed on the Spanish stock exchange (trading on the Ibex-35 index).

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