

The winds of change
have never
been stronger



The SG 14-222

The SG 14-222: Powering change



Safely producing clean energy has been our mission since the very beginning. Now, with a growing need to meet climate challenges, the winds of change power us more than ever. The new SG 14-222 is the next step towards this goal. With an unprecedented 14 megawatts of capacity, and up to 15 megawatts with Power Boost, we offer proven technology to deliver sustainable energy.

A future powered by clean energy needs safe and reliable technology. Since first creating our offshore Direct Drive technology, we have developed our turbines to fit the needs of our customers. We believe that, together, we can contribute to a more sustainable world.

We went bigger – for the better

We have enhanced and upgraded our proven Direct Drive technology. Raising the rating of our newest turbine to 14 megawatts has been made possible by increasing the rotor diameter to 222 meters – using the 108-meter-long B108 blades. This enables the SG 14-222 to offer an increase in Annual Energy Production (AEP) of more than 25% compared to its predecessor in similar conditions.

Offshore is in our DNA

Developing offshore technology is not just what we do, it is part of who we are. We strive to make a difference, and we are committed to safely maximizing operational performance while minimizing technological risks. Our focus on development and extensive testing leads us to the goal of reducing the Levelized Cost of Energy (LCoE). From both an environmental and a financial point of view, we're committed to driving the offshore wind industry to levels where clean energy becomes the indisputable global choice for power generation.

Trusted technology

Our components – Direct Drive technology, IntegralBlade® technology, tower concepts, as well as maintenance and safety systems – have evolved over generations of Siemens Gamesa offshore wind turbines. Features such as High Wind Ride Through and the Power Boost function enable our turbines to produce even more energy while maintaining an industry-leading availability.

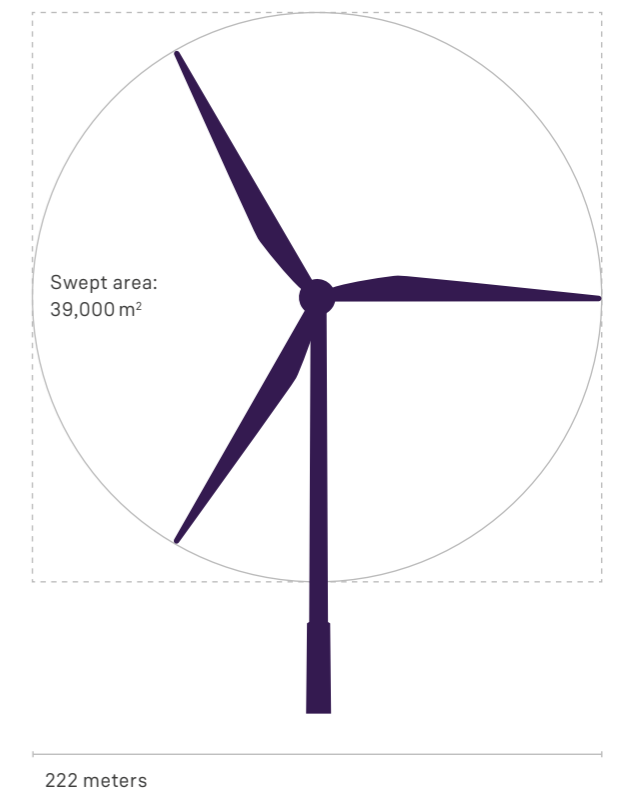
We ensure unmatched reliability through extensive testing in one of the world's largest dedicated wind turbine test centers. With every new generation of our offshore Direct Drive technology, component improvements allow for greater performance while maintaining the proven dependability of the technology.

Well-established value chain

When introducing a new product to our offshore Direct Drive platform, we are able to reduce time to market: standardized processes and a fully-developed and industrialized supply chain make this possible. Tested parts and components from trusted suppliers provide Siemens Gamesa with a strong, well-established value chain. Thanks to extensive experience, our processes run seamlessly and our employees have the skills to deliver great results.

Sustainability is the obvious choice

With our newest turbine, cutting-edge industry technology, and almost three decades of offshore experience, we believe we have everything it takes to make a difference. By providing our customers with trusted technology to deliver cost-efficient and sustainable energy, we have the unique opportunity to power and be powered by the winds of change.



SG 14-222	
IEC class	I, S
Nominal power	14 MW
Rotor diameter	222 m
Blade length	108 m
Swept area	39,000 m ²
Hub height	Site-specific
Power regulation	Pitch-regulated, variable speed

Siemens Gamesa Renewable Energy, S.A.
Parque Tecnológico de Bizkaia, edificio 222
48170, Zamudio, Vizcaya, Spain

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