

Press release

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Commanding circularity: Siemens Gamesa announces RecyclableBlade for onshore wind power projects

- World's first RecyclableBlade now available for onshore wind power projects
- Proven technology already installed and in full operation at offshore projects
- Onshore version to drive full circularity in Siemens Gamesa's wind turbines
- Milestone in Siemens Gamesa's path to produce fully recyclable wind turbines by 2040

Siemens Gamesa again takes strong command of circularity within wind turbine blades, launching its RecyclableBlade for onshore wind power projects. This milestone is set to propel the activities that make wind energy even more sustainable, creating a fully circular sector.

The Siemens Gamesa RecyclableBlade for offshore was brought to market in only 10 months: launched in September 2021 and installed at RWE's Kaskasi project in Germany in July 2022. The corresponding onshore solution is now ready for customers to employ at their onshore wind sites. Further development by Siemens Gamesa and partners ensure full compatibility with the product and process requirements for onshore blades.

"Launching our RecyclableBlade for onshore sites is another outstanding achievement from our dedicated professionals. The concept was always foreseen to encompass solutions for offshore and onshore, and we're pleased to now provide them commercially to our customers in both market segments," said Jochen Eickholt, CEO of Siemens Gamesa.

Both onshore and offshore markets around the world continue to set ambitious targets for installed wind power capacity, with the demands for ensuring recyclable solutions gaining more importance. Turbine sizes, and in turn their blades are growing rapidly, making it even more imperative to find solutions to ensuring their circularity. With the RecyclableBlade for onshore, Siemens Gamesa continues to put action behind its [Sustainability Vision towards 2040](#) where a core target is fully recyclable wind turbines by 2040 at the latest.

"We are driving the wind industry towards full circularity with our commitment to make wind power as sustainable as it can be at every stage of its lifetime. Together with our customers and our suppliers, we want wind power solutions from Siemens Gamesa to continue to help countries around the world meet their net zero carbon emission goals," said Tim Dawidowsky, Siemens Gamesa COO and Chief Sustainability Officer.

About the RecyclableBlade

Prior to the launch of Siemens Gamesa's RecyclableBlade in 2021, blade recyclability was a tricky issue for the wind industry. The complex production process for blades, involving composite materials including resin, glass and carbon fibers, made disposal at the end of the wind turbine's lifecycle challenging. While around 85% of a wind turbine can be fully recycled, regrettably many blades were sent to landfill upon decommissioning.

In addition to developing the world's first fully recyclable blade, Siemens Gamesa is working with industry body WindEurope and other major industry players in [calling for a Europe-wide ban on landfill for blades](#).

The RecyclableBlade recovery process uses a mild acidic solution to separate the materials at the end of the wind turbine's lifetime. Those materials can then be recycled for use in other industrial applications like construction, consumer goods, or the automotive industry.

About Siemens Gamesa Renewable Energy

Siemens Gamesa unlocks the power of wind. For more than 40 years, we have been a pioneer and leader of the wind industry, and today our team of more than 27,000 colleagues work at the center of the global energy revolution to tackle the most significant challenge of our generation – the climate crisis. With a leading position in onshore, offshore, and service, we engineer, build and deliver powerful and reliable wind energy solutions in strong partnership with our customers. A global business with local impact, we have installed more than 124 GW and provide access to clean, affordable and sustainable energy that keeps the lights on across the world. To find out more, visit www.siemensgamesa.com and connect with us on social media.

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