

**Press release**

10 November, 2021

**Siemens Gamesa's groundbreaking pilot project hits key milestone as first green hydrogen is delivered to zero emission vehicles**

- Siemens Gamesa has developed the world's first project capable of producing green hydrogen directly from wind, in "island mode". It can also operate connected to the grid.
- The Brande Hydrogen pilot project in Denmark celebrates a new milestone, producing its first green hydrogen as part of the testing and commissioning phase. Project partner Everfuel now distributes it to hydrogen stations in Denmark, enabling a growing number of zero emission vehicles, such as fuel cell taxis, to operate on a 100% green fuel supply.
- By delivering low-cost, green hydrogen, wind can accelerate a carbon-free future and halt climate change. Siemens Gamesa continues to play a pivotal role in making this ambition a reality.

Without the production of green hydrogen on an industrial scale, the world will not achieve carbon neutrality by 2050 and the earth's temperature will continue to rise. Green hydrogen, derived from low-cost, competitive wind power, is a 100% sustainable and versatile fuel which can be stored and transported for use on demand. It represents a massive opportunity for the green energy transition by driving the transformation of the energy system: green hydrogen can be produced anywhere and used in sectors that are very difficult to decarbonize, such as aviation and shipping, as well as heavy industry, such as iron and steel, chemicals and glass. Hydrogen made from wind can be used to cut emissions from nations and industries that are struggling to limit their impact on the climate.

"There is no way around green hydrogen. It is a game changer in the quest to decarbonize the power supply and solve the climate crisis. Our hydrogen-producing wind turbine is an example of the innovative projects that will help shape the emerging clean-fuel market and accelerate the green energy transition as we integrate unprecedented amounts of renewable energy into the energy system. We are very proud to have reached yet another milestone in making this vision a reality – getting our first 100% green hydrogen out to the consumers," says Poul Skjærbæk, Chief Innovation Officer, Service, at Siemens Gamesa.

"We are pleased to showcase the entire hydrogen value chain, from renewable energy production to the distribution, with our own high-capacity hydrogen trailers and delivery to our fueling stations. Distributing 100% green hydrogen fuel from Brande is a significant milestone for Everfuel, and we are proud to be the first to offtake green hydrogen in island mode from wind energy. The project in Brande is more than just the production of green hydrogen. It symbolizes the beginning of the Danish hydrogen adventure, which will help decarbonize our society and fight climate change," says Jacob Krogsgaard, CEO for Everfuel.

**Brande Hydrogen test site as use case for large-scale production**

Earlier this summer, the Danish authorities granted Siemens Gamesa's Brande Hydrogen test site status as official regulatory test zone, allowing activities here to operate outside the existing electricity regulations and enabling research into how to develop an island-mode capable system of offshore hydrogen production at turbine level.

The pilot project celebrates now a new milestone, producing its first green hydrogen as part of the testing and commissioning phase. Project partner Everfuel is distributing this to hydrogen stations in Denmark, enabling a growing number of zero emission vehicles, such as fuel cell taxis, to operate on a 100% green fuel supply.

The Brande Hydrogen setup couples an existing onshore Siemens Gamesa SWT 3.0-113 DD wind turbine with an electrolyzer stack from electrolysis partner Green Hydrogen Systems. Siemens Gamesa is also using the Brande Hydrogen site to explore whether integrating new battery technology as an upgrade to the co-located turbine and electrolyzer can contribute to grid stability and help address issues around the variability of wind.

This combination also has the potential to expand the output of existing wind projects. Batteries can store energy in a way that allows electrolyzers to run for longer and produce more green hydrogen. If there is a grid connection, the batteries can distribute the renewable energy to the grid rather than the electrolyzer when conditions allow, easing bottlenecks and providing flexibility.

The battery, turbine and electrolyzer setup has the potential to enable the production of industrial-scale volumes of green hydrogen in the near term. Innovations and learnings from the Brande Hydrogen test site will be shared with partners to build use cases for larger-scale green hydrogen production.

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**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 25,000 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 close to 115 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](http://www.siemensgamesa.com) and connect with us on social media.

**About Everfuel**

Everfuel is making green hydrogen for zero emission mobility commercially available across Europe, offering competitive all-inclusive hydrogen supply- and fueling solutions. We own and operate green hydrogen infrastructure and partner with vehicle OEMs to connect the entire hydrogen value chain and seamlessly provide hydrogen fuel to enterprise customers under long-term contracts. Green hydrogen is a 100% clean fuel made from renewable energy and key to electrification of the transportation sector in Europe and a sustainable future. We are a young ambitious company, headquartered in Herning, Denmark, and with activities in Norway, Denmark, Sweden, The Netherlands, Germany and Belgium, and a plan to grow across Europe. Everfuel is listed on Euronext Growth Oslo (EFUEL).