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SWAY TURBINE UNVEILS DETAILS ABOUT THEIR 10MW OFFSHORE WIND TURBINE

The Norwegian technology company Sway Turbine has developed an eye-catching 10MW offshore wind turbine, named the ST10. The unique features of this turbine are now presented for the first time.

Sway Turbine's CTO Mr. Eystein Borgen has today presented the ST10 turbine at the 3rd International Conference on Drivetrain Concepts for Wind Turbines in Bremen, Germany.
In his presentation Borgen has for the first time shared information about the large diameter, direct drive permanent magnet generator, which has an ironless stator core and a unique generator and blade rotor integration.

"This is a very exciting event for us, and we are very pleased to be able to reveal more details about this technology, which we believe represents a very cost competitive turbine alternative to the offshore wind market. Obtaining a lower Cost of Energy is crucial for offshore wind to achieve the position this renewable energy source deserves in the total energy mix" says Sway Turbine's CEO Ms. Ingelise Arntsen.

In the development of the ST10 it has right from the start been the aim to create a cost-effective low-weight design. To obtain this goal, the basic challenge of turbine up-scaling had to be overcome through several unusual design solutions.
The ST10 offers an estimated 15-20% reduction in turbine cost compared to current state of the art, conventional design offshore wind turbines, and a considerable reduction in cost per kWh produced on wind park level.

"As a technology development company, we are proud to present the ST10 design which has been developed by our engineers together with some of the most competent partners in the industry. We are now in the process of identifying the best industrial partner to bring this product to the market", Arntsen concludes.

Sway Turbine is a technology development company located in Norway. The company has during the last seven years developed a unique 10MW offshore wind turbine, which will be the world's largest. The ST10 offers a lower Cost of Energy than currently available offshore turbine designs, due to several new technology solutions incorporated in its design.

More details about the unique ST10 design and solutions can be found at Sway Turbine's home page www.swayturbine.com

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