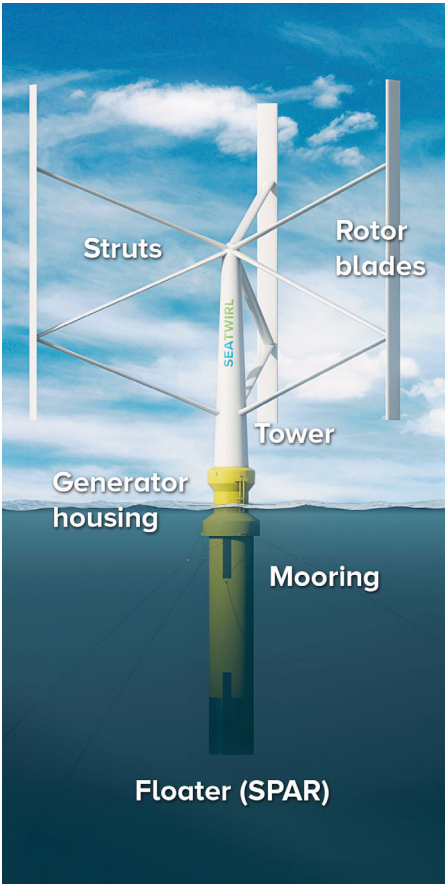
SeaTwirl enables floating wind power wherever it is needed!

SEATWIRL

01 About SeaTwirl

SeaTwirl was founded in 2012 with a pure focus to develop a wind turbine specifically for the deep waters. SeaTwirl has a unique and patented floating wind turbine technology, based on vertical-axis turbine on a rotating SPAR foundation. The simplicity of the design, with standardized components, low center of gravity, and easy access for maintenance are the main big advantages. SeaTwirl installed its first prototype in the sea in 2015 and has been listed on Nasdaq First North Growth Market since 2016.



02 The concept

Reduction of the number of moving parts, sturdiness and ease of maintenance are the designdrivers behind SeaTwirl's concept. The wind turbine consists of three main parts: the SPAR which provides buoyancy and stability, the Generator house containing all systems where the rotation motion is converted to electricity, and the Turbine transforming the kinetic energy from the wind into rotating motion. The Generator house is connected to the mooring which restrain the unit's motion both in displacement and rotation. The power is exported from the wind turbine via a power cable connected to the bottom of the lower part of Generator house.

03 The technology

SeaTwirl's unique floating vertical-axis wind turbine is a robust solution designed for the deep-water offshore environment from the start. A low center of gravity, enabled by integrating the tower and the SPAR into one rotating unit, provides many beneficial qualities. It means the Floater can use less steel than conventional floating solutions, the Turbine enables easier access for service and maintenance which results in lower maintenance costs and the possibility of using locally available vessels. SeaTwirl's turbines can be anchored at greater depths than conventional wind turbines which enables installations further out to sea where winds are stronger.

Benefits of SeaTwirl technology

ROBUSTNESS

SeaTwirl's design is robust and withstands strong wind and waves.

EASY ACCESS

Parts requiring maintenance and service are inside the Generator housing, which is easily accessible, right above water level and below the wind turbine.

FLEXIBILITY

SeaTwirl offers a solution that is flexible and scalable for different types of applications and sites.

04 Contact us

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