PFISTERER

PFISTERER provides connection technology for offshore wind farm off the coast of New York

Winterbach, Germany – October 1, 2024 – As a leading technology company for insulating and connecting electrical conductors, PFISTERER is providing connection technology for Empire Wind, the offshore wind farm being developed by Equinor, which will enter operation in 2026 off the northeastern coast of the USA. The products of the company, which has its headquarters in Winterbach, near Stuttgart, are used in the turbines and on the offshore platform, and will ensure a safe and reliable flow of electricity to the mainland for decades. Empire Wind 1 and 2 have a total output of more than 2 gigawatts and should generate enough electricity from wind power to supply more than one million New York households with renewable energy.

PFISTERER connects turbines and offshore platform

Connection technology from PFISTERER is being installed in the wind turbines of Empire Wind 1: The 236-15.0 MW™ series is one of the currently most powerful systems. Each of the turbines is connected using PFISTERER cable accessories, which have been developed specifically for offshore applications. PFISTERER's pluggable connection system allows the entire array cable infrastructure to be tested prior to turbine installation. Connections are made quickly and easily based on the plug-and-play principle. This speeds up project execution, saves time and costs and at the same time provides a permanently reliable connection.

PFISTERER technology, including SEANEX, was the choice for the cabling of the offshore platform as well. Universal connection systems from PFISTERER have been tried and tested in the offshore industry and in numerous wind farms around the globe for more than 25 years.

First order for the new PFISTERER plant in Rochester, NY

At Empire Wind 1, PFISTERER is also partnering with DEME. The internationalspecialist in offshore wind farm engineering, transport and installation uses cables that come pre-assembled with PFISTERER connectors. These so-called "dropper cables" allow a quick and efficient electrical connection to be established between switchgear (GIS) and connection joint to the submarine cable at the base of the turbine. The dropper cables are assembled in the new PFISTERER plant in Rochester, New York State. Rochester is the latest location in the global factory network and supplies the American continent with PFISTERER technology. In addition, fitters in Rochester are being trained in the installation of PFISTERER cable accessories "Our products are used in many large offshore wind farms, but Empire Wind 1 is a special project for us. This is the first order in which our new plant in Rochester is directly involved." says Marcus Horn, President of PFISTERER North America.

Contact for questions

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Example of a V236-15.0 MW turbine in Østerild, Denmark, which will be used in the Empire Wind offshore project on the American northeast coast. (Source: Vestas Wind Systems A/S)

Just outside New York City, connectivity technology by PFISTERER is being used in a wind farm that will supply more than one million households in the city with renewable energy. (Source: PFISTERER)

Offshore connection technology

Member of the Executive Board of PFISTERER Holding SE, Dr. Konstantin Kurfiss: "Our mission is to actively participate in the change to a sustainable world. Electricity generation in offshore wind farms plays a key role towards achieving the global CO2 goals."

"With the extreme conditions at sea, reliable connection technology is critical. This interface competence makes us a reliable partner for planners, designers and operators of offshore wind farms," adds Dana Felberg, Team Lead Renewables Projects at PFISTERER.

The high-voltage connection system developed by PFISTERER is used in the construction of offshore wind farms. It reduces the assembly time and guarantees a reliable connection of electrical systems. (Source: PFISTERER)

ABOUT PFISTERER:

PFISTERER is one of the world's leading specialists and system suppliers for energy infrastructure – with a complete range of cable accessories, overhead line technology and components along the entire transmission and distribution chain from power generation to consumption. With state-of-the-art manufacturing processes and 1,200 employees at 19 international locations and 5 factories, PFISTERER not only connects the power grids of today and tomorrow, but is also making an important contribution to the sustainability and security of energy infrastructure. In 1921, Karl Pfisterer founded his factory for special electrical products in Stuttgart with the goal of improving the world of power transmission. Until today, the PFISTERER Group has pursued this goal of quality and technology leadership.