



NEW OFFICE: GRS IN CHINA

GRS sets sail for success in China's offshore renewable energy market, with new Xiamen office leading the charge. We are looking forward to be part of the developing offshore renewable energy industry in china. Our passion for innovation and expertise will drive industry growth and pave the way for a sustainable future.

SOUTH KOREA: NEW LOCATION

We are thrilled to announce the relocation of our South Korea office to the renowned Seoul Finance Center. Nestled in the heart of Seoul's bustling financial district, this prime location sets the stage for GRS to make a significant impact in the region's dynamic business landscape.

This exciting expansion into Seoul Finance Center underscores our commitment to driving growth, fostering strategic partnerships, and being at the forefront of industry advancements.





FIRST TURBINE STANDS AT SAINT-BRIEUC OFFSHORE WIND FARM

The first of 62 Siemens Gamesa SG 8.0-167DD wind turbines has been installed on the 496 MW Saint-Brieuc offshore wind farm site in the Bay of Saint-Brieuc in Brittany, some 16.3 kilometres from the Breton coast.

The operation was carried out from the jack-up vessel Brave Tern of the Norwegian company Fred. Olsen Windcarrier.

The first Siemens Gamesa 8 MW turbine of the Saint-Brieuc offshore wind farm was installed on position

number SB44, located in the northern part of the site. According to Iberdrola, thanks to this, Brittany acquires its first offshore wind turbine.

The turbine has 209 metres at the tip of the blade and the rotor is 167 metres in diameter.

The installation vessel Brave Tern will carry out several iterations in the coming months from Siemens Gamesa's factory in Le Havre, each time with the constituent elements of four wind turbines on board.

CHINA'S FIRST DEEP-SEA FLOATING WIND PLATFORM IS COMPLETE

The construction of China's first deep-sea floating wind power platform is ready to come online.

This floating wind platform is known as Haiyou Guanlan, and Chinese oil giant China National Offshore Oil Corporation (CNOOC) announced on Saturday that it has completed installation of its 5,000-meter (16,404-foot) undersea cable.

Haiyou Guanlan's subsea cable is designed to operate at a depth of 120 meters (394 feet), and it has an expected life of 25 years in harsh subsea conditions.

The cable connects the floating wind platform to the Wenchang offshore oil and gas platforms, off the coast of Hainan Province, in southern China.

The 7.25 megawatt (MW) Haiyou Guanlan wind turbine is expected to generate around 22 million kWh annually.

It will save nearly 10 million cubic meters of fuel gas each year and can meet the equivalent annual electricity demand of 30,000 people. It will also reduce CO₂ emissions by 22,000 tons.



WORLD'S FIRST UNMANNED HVDC OFFSHORE PLATFORM INSTALLED AT WORLD'S LARGEST OFFSHORE WIND FARM

- Dogger Bank Wind Farm will be first UK High Voltage Direct Current (HVDC) connected offshore wind farm

- 70% reduction in topside weight per MW for offshore platforms

Construction of what will be the world's largest offshore wind farm, Dogger Bank, has reached another milestone with the installation of the world's first unmanned High Voltage Direct Current (HVDC) offshore substation.

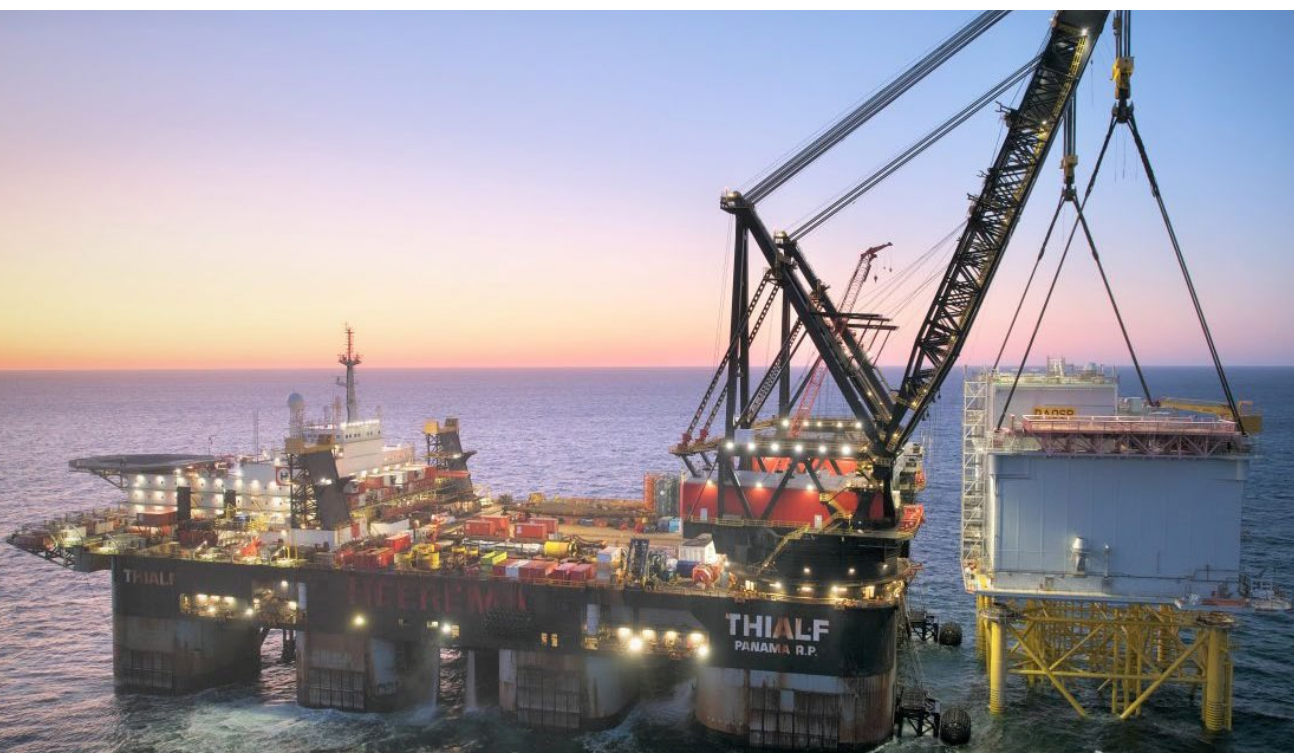
The substation is the first of three platforms, supplied by Aibel, to be installed at Dogger Bank, which is being constructed in three 1.2GW phases known as A, B and C.

The Dogger Bank A platform measures 65 x 36 metres across and 39 metres high and sits on a four-legged steel jacket foundation structure which is fixed to the seabed, at a water depth of around 28m.

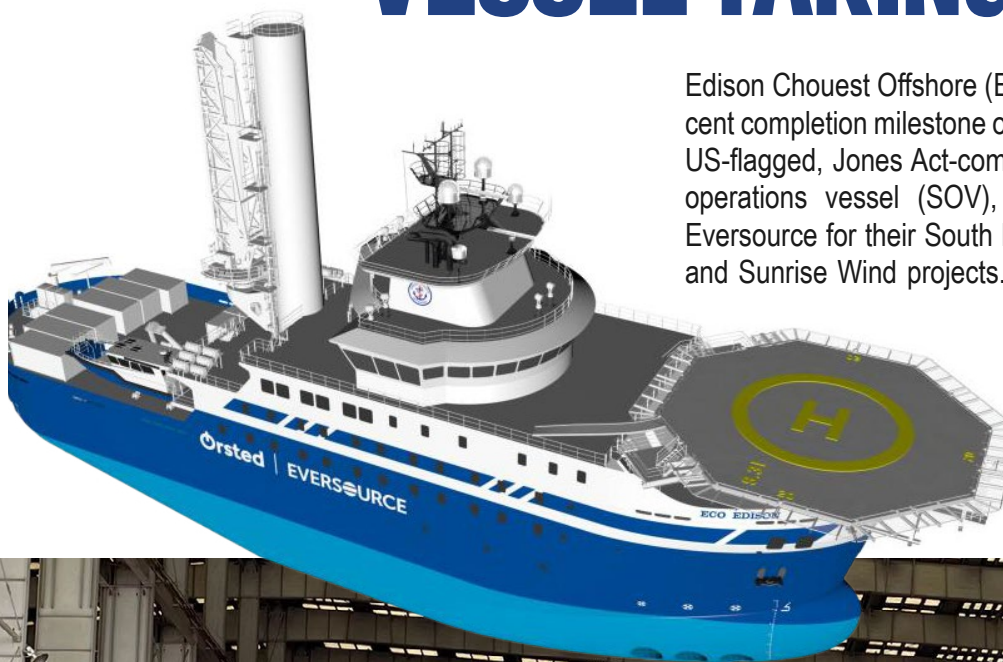
Approximately 146km from the nearest point of land at Flamborough Head, near Bridlington in East Riding of Yorkshire, the platform installation was delivered by principal contractor Sapiem.

The innovative offshore platform has a lean design and is the first unmanned HVDC platform which will be operated from shore and accessed only by a Service Operations Vessel. The platform will receive 1.2GW of AC power from Dogger Bank A's 95 offshore wind turbines and convert it to DC, which will then be sent ashore to an onshore converter station near Beverley in East Riding of Yorkshire.

Fitted with Hitachi Energy's latest generation HVDC converter technology, Dogger Bank will be the first offshore wind project in the UK to use this technology to transmit the electricity produced back to shore, ensuring that the electricity is transmitted efficiently over long distances while minimising losses.



FIRST US-FLAGGED OFFSHORE WIND SERVICE OPERATIONS VESSEL TAKING SHAPE



Edison Chouest Offshore (ECO) has marked the 50-per cent completion milestone on ECO Edison, the first-ever US-flagged, Jones Act-compliant offshore wind service operations vessel (SOV), chartered by Ørsted and Eversource for their South Fork Wind, Revolution Wind and Sunrise Wind projects.



WORLD'S DEEPEST WIND TURBINE FOUNDATION INSTALLED IN SCOTTISH WATERS

THE world's deepest wind turbine foundation has been installed 16 miles off the coast of Angus at the site of the £3 billion Seagreen wind farm.

Transported to the project site on a barge operated by main contractor, Seaway 7, the foundation was met by the Saipem 7000, a semisubmersible crane vessel, which lifted the 2,000 tonne turbine foundation into place.

The installation of the jacket means Seagreen has now topped its own record from October 2022, when a previous foundation was installed at a depth of 57.4 metres (approximately 188 feet). The deepest foundation has been installed at a depth of 58.6 metres.





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