

NEXANS SUPPLIES 320 KV CABLES FOR “DOLWIN6” OFF-SHORE DC LINK TO TENNET

Major order: Two 90-km-long high-voltage direct-current cables from Nexans will transport up to 900 MW of wind power from North Sea Cluster 3 to the Emden/Ost converter station

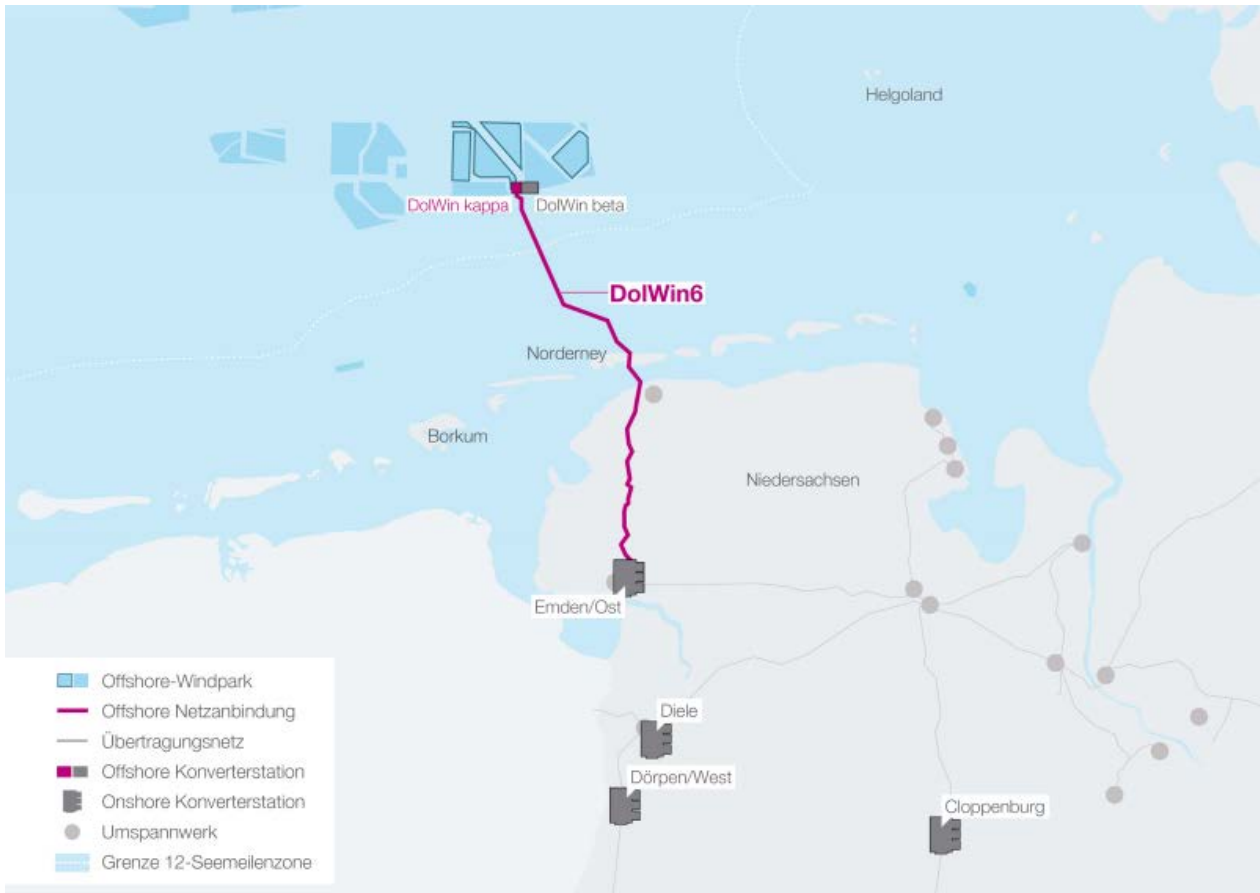
Paris La Défense, July 17 2017 – In July 2017, transmission system operator TenneT awarded Nexans the contract to supply and install the cables for the DoWin6 direct-current link. These cables will transport the electricity from the offshore wind farms of North Sea Cluster 3 from the DoWin Kappa HVDC converter station to the Emden/Ost onshore HVDC converter and transformer station. Two parallel, XLPE-insulated 320 kV DC cables, each measuring 90 km in length, will be able to carry a maximum output of 900 MW. The Nexans contract, worth around 100 million euros, comprises the cables, accessories and installation. In addition to the DC cables, Nexans will be installing a fibre-optic cable for data transfer. The project – Nexans Deutschland’s biggest to date – is scheduled for completion in 2023. *“We are delighted to be working alongside Nexans, another strong service provider in the field of plastic-insulated direct-current cables for our latest offshore project,”* said Lex Hartman, who sits on the Executive Board of TenneT.

Efficient electricity transmission and careful installation in the Wadden Sea

The geographical location of the offshore wind farm to be connected means that the offshore grid connections run via the ecologically sensitive Wadden Sea. This is also the case with the DoWin6. On the way from the DoWin Kappa converter station, where the three-phase current generated at sea is converted to direct current, to Hilgenriedersiel on the mainland, around 45 kilometres away, the cables will cross the island of Norderney. To help protect the Wadden Sea and the flora and fauna on Norderney, horizontal drilling will enable the cables to pass under the island. TenneT is beginning work on this part of the project this year, as in order for the dykes and natural features to be protected, it can be carried out only between mid-July and the end of September. Nexans will also install the cables carefully and within suitable time frames. The submarine cables, manufactured in Norway, are scheduled for delivery and installation in summer 2020 and 2021. Installation of the land cables, produced in Belgium, between Hilgenriedersiel and Emden – a distance of roughly 45 kilometres – is planned to take place from 2020 as well.

Cable technology for the infrastructure of tomorrow

Dr Dirk Steinbrink, Managing Director of Nexans Deutschland and Senior Executive Vice-President of the Nexans Group, commented: *“I am delighted that TenneT has awarded us the contract for this important link. With DoWin6, we are responsible for all stages of the project relating to the cable system, including design, manufacture, logistics and installation, and after previous projects such as Beatrice, Italy-Montenegro and NordLink, we once again have the chance to demonstrate our expertise in high-voltage direct-current transmission.”* Low-loss high-voltage and ultra-high-voltage cables from Nexans enable grid operators to expand their grids in a way that achieves the best possible results in terms of efficiency and conservation of resources, and thereby to lay the groundwork for the energy supply of the future.



(Graphic: TenneT)



Dr. Dirk Steinbrink, Senior Executive Vice-President of Nexans, responsible for high-voltage and submarine cables (image: Nexans)



Lex Hartman, Executive Board member of TenneT (image: TenneT)

About Nexans

Nexans brings energy to life through an extensive range of cables and cabling solutions that deliver increased performance for our customers worldwide. Nexans' teams are committed to a partnership approach that supports customers in four main business areas: Power transmission and distribution (submarine and land), Energy resources (Oil & Gas, Mining and Renewables), Transportation (Road, Rail, Air, Sea) and Building (Commercial, Residential and Data Centers). Nexans' strategy is founded on continuous innovation in products, solutions and services, employee development, customer training and the introduction of safe, low-environmental-impact industrial processes.

In 2013, Nexans became the first cable player to create a Foundation to introduce sustained initiatives for access to energy for disadvantaged communities worldwide.

Nexans is an active member of Europacable, the European Association of Wire & Cable Manufacturers, and a signatory of the Europacable Industry Charter. The Charter expresses its members' commitment to the principles and objectives of developing ethical, sustainable and high-quality cables.

Nexans, acting for the energy transition, has an industrial presence in 40 countries, commercial activities worldwide, is employing close to 26,000 people and generating sales in 2016 of 5.8 billion euros. Nexans is listed on Euronext Paris, compartment A.

For more information, please consult: www.nexans.com

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