

PFISTERER supplies grid connection technologies for the new Moray East Offshore Windfarm

Winterbach, Germany – January 31, 2019 – In cooperation with the cable manufacturer TELE-FONIKA Kable and the international cable and pipeline installation contractor VolkerInfra, PFISTERER has been awarded the contract for the supply of the 220 kV land cable accessories for the grid connection of the new Moray East Offshore Windfarm. Moray East is a large-scale wind farm project which was granted consent in 2014 by the Scottish Government and will deliver green power for up to one million UK households early in the next decade.

The wind farm is being constructed 22 km off the coast in Moray Firth, Scotland, covering an area of 295 km². In 2017 it won a 950 MW contract for difference at competitive auction which set the price of power generated at £57.50 per MWhr. The electricity will be generated by 100 Vestas wind turbines which are connected via several converter stations to a 66 kV array network. The voltage level will be boosted up to 220 kV for transmission back to shore via the export cables. The Moray Offshore Windfarm (East) Limited consortium is currently owned by EDPR (43.3%), Diamond Green Limited which is partly owned by DGE (33.4%) and ENGIE (23.3%).

Individual elements become a system solution

PFISTERER will supply the 220 kV CONNEX pluggable cable connections for the offshore substation. The CONNEX system consists of a 100 % dry termination which pairs with an epoxy socket. From the transition joint bays the PFISTERER MSA one-piece slip on joints will be used along with the corresponding link boxes for the entire 34 km cable route. Arriving at the New Deer onshore substation PFISTERER's Outdoor Sealing Ends (ESS terminations) will be used to connect to the overhead bus bar.

"Moray East is an exciting project for us. Many of our products are integrated and in conjunction with the services of our partners they are combined to form a high-quality system solution on the power transmission chain from the offshore substation to the overhead lines on land. Technologies from our plants in Germany and Switzerland are used and many colleagues of the PTS Cable division are involved. We look forward to an effective cooperation with TELE-FONIKA Kable and VolkerInfra on such a key project. ", says Karl McFadden, project manager of PFISTERER UK.

Choice with vision

For the Moray Offshore Windfarm (East), the choice fell again on the CONNEX universal connection system, an offshore solution that has been tried and tested for more than 20 years. It is solidly-insulated, pluggable, touch-proof, resistant to salt water and UV radiation, as well as submersible and maintenance-free. CONNEX is certified for offshore applications by the classification company DNV

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The entire cabling within a wind farm can be carried out using the pluggable universal connection system CONNEX.

GL and due to its design extremely flexible and time-saving during installation. With the CONNEX family, PFISTERER offers a complete range of products for all voltage levels from 12 kV to 550 kV. In this way, the entire cabling within a wind farm can be carried out using the same proven technology. The cable joints are of type IXOSIL MSA245. Thanks to their one-piece design, the joints are extremely compact in size. The space required in a joint bay is therefore reduced to a minimum.

“Our customers choose VolkerInfra as their partner of choice because we offer best in class solutions for Extra High Voltage underground cable systems. As world leaders in their field, we selected Pfisterer as our partner of choice for the supply of the 220 kV accessories. We look forward to working with the PFISTERER team as the scheme develops.”, says Peter Cooke, Technical Development Director, VolkerInfra.

About PFISTERER

PFISTERER is a leading independent manufacturer of cable, insulators and overhead line accessories for sensitive interfaces in energy networks. The Group is headquartered in Winterbach, near Stuttgart in southern Germany. PFISTERER develops, produces, and sells internationally successful solutions for 110 V to 1,100 kV voltage levels. With its end-to-end range of products for application in energy networks, consulting, installation, and training, PFISTERER is a valued partner to companies specializing in power supply, plant construction, and electrified rail transport around the world. PFISTERER operates production plants in Europe, North and South America, as well as sales offices in 18 countries across Europe, Asia, South America, and the USA. The Group employs around 2,100 people.

About VolkerInfra

VolkerInfra is a specialist cable and pipeline installation contractor, designed to support the renewal and upgrading of the electricity networks within the UK. From the base in Preston, Lancashire, the company provides specialist support services associated with cable system design, procurement and logistics, management and supervision, excavations, cable installations and insertions, jointing and terminating and full pre-commission testing for cable systems at voltages up to and including 400 kV.

About TELE-FONIKA Kable

TELE-FONIKA Kable SA (TF Kable) is in the world's list of top European producers of cables and wires with 100% Polish capital, with a significant development potential. The products produced in the company's plants are recognised by customers in more than 80 countries. The range of products includes approx. over 25 thousand types of cables and wires.



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