

## Beatrice Offshore Wind Farm: Final Section of Nexans Power Export Cable Sails To Scotland

*Project to bring power ashore from Scotland's largest offshore wind farm has reached two important milestones: the successful on-site testing of the first 400 kV onshore cable link; the Nexans factory in Norway loading-out the final section of the offshore power export cable to the Skagerrak cable laying vessel.*

**Paris La Défense, April 5, 2018** – Nexans has reached two key milestones in its major contract to create the high voltage power export connection for Scotland's Beatrice 588 MW offshore wind farm. The first of the two 400 kV onshore cable links and the high voltage accessories have been installed successfully and tested on site. At the same time, the Nexans factory in Norway has completed the manufacturing of the 220 kV offshore cable and loaded the final section onto the Group's Skagerrak cable laying vessel for the journey across the North Sea to the Moray Firth, where it will be installed and later trenched into the seabed by Nexans' unique Capjet system.

### **Offshore and onshore cables: Connecting Beatrice Offshore Wind Farm to the Scottish grid**

The Beatrice Offshore Windfarm project, scheduled to be fully operational by 2019, is a joint venture between SSE, Copenhagen Infrastructure Partners and Red Rock Power Limited - the UK subsidiary of China's SDIC Power Holding Co. Located in the Moray Firth it will be Scotland's largest wind farm, with the combined output of 84 turbines capable of generating enough electricity to power approximately 450,000 homes.

To export the energy from the wind farm to the grid, the two offshore cables take a route of 70 km along the seabed to a landfall point to the west of Portgordon on the Moray coast. A transition joint bay then connects them to the onshore cable system, which takes a 20 km route to Blackhillock substation. From there, the 400 kV onshore cables will transmit the electricity to the grid.

Nexans was awarded the turnkey contract to design, manufacture, test, deliver, and install both circuits of the complete power transmission cable system. This included the delivery of a total of 265 km of cables, including 145 km of 220 kV offshore cables, 115 km of 220 kV and 5 km of 400 kV onshore cables and the associated high voltage accessories.

Nexans completed the laying and burial of the first offshore cable route in 2017 and connected it to the offshore platform in February 2018. In March 2018, Nexans installed the 400 kV onshore circuits and their outdoor sealing ends using its expertise of carrying out the termination works horizontally prior to connecting them vertically at Blackhillock substation.

*"The Beatrice project perfectly illustrates our capacity to deliver turnkey grid connection solutions for offshore wind farms," said **Vincent Dessale, Senior Executive Vice President for the Subsea and Land Systems business group at Nexans.** "For many years Nexans has been committed to facilitating the energy transition in Europe and worldwide, and we are proud to contribute to building Scotland's largest wind farm."*

The offshore cables for the Beatrice Offshore Wind Farm were produced in Halden, Norway and installed by Nexans Norway. The onshore cables were manufactured at Nexans Benelux facility in Charleroi, Belgium and installed by Nexans France. The associated high voltage accessories were delivered by Nexans Switzerland.

For over 15 years Nexans has been a key driver in the development of wind farm technology. It was the first company to manufacture three-core 245 kV submarine cables as well as the first to manufacture 420 kV submarine cables. To date, Nexans cables have enabled in excess of 3,500 MW of offshore wind farm energy to be integrated into power grids across the world.

## About Nexans

As a global leader in advanced cabling and connectivity solutions, Nexans brings energy to life through an extensive range of best-in-class products and innovative services. For over 120 years, innovation has been the company's hallmark, enabling Nexans to drive a safer, smarter and more efficient future together with its customers.

Today, the Nexans Group is committed to facilitating energy transition and supporting the exponential growth of data by empowering its customers in four main business areas: Building & Territories (including utilities, smart grids, emobility), High Voltage & Projects (covering offshore wind farms, submarine interconnections, land high voltage), Telecom & Data (covering data transmission, telecom networks, hyperscale data centers, LAN), and Industry & Solutions (including renewables, transportation, Oil & Gas, automation, and others).

Corporate Social Responsibility is a guiding principle of Nexans' business activities and internal practices. In 2013 Nexans became the first cable provider to create a Foundation supporting sustainable initiatives bringing access to energy to disadvantaged communities worldwide. The Group's commitment to developing ethical, sustainable and high-quality cables drives its active involvement within several leading industry associations, including Europacable, the National Electrical Manufacturers Association (NEMA), International Cablemakers Federation (ICF) or CIGRE to mention a few.

Nexans employs more than 26,000 people with industrial footprint in 34 countries and commercial activities worldwide. In 2017, the Group generated 6.4 billion euros in sales. Nexans is listed on Euronext Paris, compartment A.

For more information, please visit: [www.nexans.com](http://www.nexans.com)

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### Contacts :

#### Press

Angéline Afanoukoe

Tel: +33 (0)1 78 15 04 67

[angeline.afanoukoe@nexans.com](mailto:angeline.afanoukoe@nexans.com)

Ksenia Kanareva

Tel: +33 (0)1 78 15 04 74

[ksenia.kanareva@nexans.com](mailto:ksenia.kanareva@nexans.com)

#### Investor relations

Michel Gédéon

Tel: +33 (0)1 78 15 05 41

[michel.gedeon@nexans.com](mailto:michel.gedeon@nexans.com)

Marieme Diop

Tel: +33 (0)1 78 15 05 40

[marieme.diop@nexans.com](mailto:marieme.diop@nexans.com)