



## **Nexans wins over 50 million Euro contract to supply high-voltage power cable for Northwind offshore wind farm**

*57 km of 245 kV subsea cable will connect Belwind Phase 2 to Northwind and then on to landfall at Zeebrugge, Belgium*

**Paris, April 10, 2012** – Nexans, a worldwide expert in the cable industry, has won a contract worth more than 50 million Euro to supply a total of 57 km of high-voltage subsea power export cables to Northwind NV in the North Sea. The project comprises 14 km of cable to connect Belwind Phase 2 to the Northwind wind farm (formerly known as Eldepasco), together with a further 43 km of cable that will transfer a total of 381 MW produced by both wind farms to the onshore grid connection at Zeebrugge.

In addition to the design, type-testing and supply of the XLPE subsea cables, Nexans will also supply mechanical and electrical accessories. This includes the onshore transition joints to connect the subsea cables to the land cables, the accessories for the two platforms, comprising hang-off and GIS (gas insulated switchgear) terminations, and four repair joints.

The Northwind wind farm will comprise 72 wind turbines, summing up to a total of 216 MW installed capacity. The power will be delivered to the Belgian electricity network at the ELIA HV connection station in Zeebrugge.

The 14 km section of 245 kV cable connecting Belwind Phase 2 to Northwind will consist of three copper cores, each with a cross-section of 400 mm<sup>2</sup>.

The majority of the 43 km, 245 kV connection from Northwind to Zeebrugge will comprise of three 1000 mm<sup>2</sup> copper cores. However, there is a length of the route where the cable has to traverse a sea channel subjected to regular dredging, requiring it to be buried down to 9 metres in the seabed for protection. In order to maintain the electrical performance of the cable along this channel, the copper cross-section will be increased to 1200 mm<sup>2</sup> on a 4 km section. This section of cable will have an outer diameter of 265 mm and will weigh 130 kg per meter.

The subsea cables will be manufactured at Nexans' specialized facility in Halden, Norway. They will also include two FO48 fiber optic elements, manufactured in the Nexans Rognan plant, to enable data communications, control and monitoring for the power transmission system.

"Following the success of our cable contract for Belwind Phase 1, we are delighted to have been awarded the contract to supply high-voltage power cable for Northwind offshore wind farms," says Dirk Steinbrink, Executive Vice President High Voltage & Underwater Cables Business Group of Nexans. "This success is the result of Nexans' proven technical expertise and our excellent long-term relationship with customers in the offshore wind industry."

### **About Nexans**

With energy as the basis of its development, Nexans, worldwide expert in the cable industry, offers an extensive range of cables and cabling systems. The Group is a global player in the infrastructure, industry, building and Local Area Network markets. Nexans addresses a series of market segments: from energy, transport and telecom networks to shipbuilding, oil and gas, nuclear power, automotives, electronics, aeronautics, material handling and automation.

Nexans is a responsible industrial company that regards sustainable development as integral to its global and operational strategy. Continuous innovation in products, solutions and services, employee development and engagement, and the introduction of safe industrial processes with limited environmental impact are among the key initiatives that place Nexans at the core of a sustainable future.

With an industrial presence in 40 countries and commercial activities worldwide, Nexans employs 24,500 people and had sales in 2011 of 7 billion euros. Nexans is listed on NYSE Euronext Paris, compartment A.

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

### **Contacts:**

#### **Press**

Angéline Afanoukoe

Tel. : +33 (0)1 73 23 84 12

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

#### **Investor relations**

Michel Gédéon

Tel.: +33 (0)1 73 23 85 31

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