



Press release

## Nexans submarine cables to provide vital reinforcement for BKK's power supply network in Norway

*Nexans will deploy the world's longest and deepest 420 kV XLPE cable system as part of a new power link crossing two of Norway's fjords  
- contract worth around Euro 78 million -*

**Paris, February 4, 2014** – Norway's power supply network will get a crucial boost in reliability and capacity with the installation of Nexans' state-of-the-art submarine cables as part of a major new connection for the utility BKK Nett AS. The new 420 kV connection between Mongstad and Kollsnes will cross two fjords – Hjeltefjorden and Lurefjorden – requiring Nexans to install the world's longest and deepest deployment of XLPE (cross-linked polyethylene) insulated submarine cables in a contract worth around Euro 78 million.

BKK Nett AS, one of Norway's largest utility companies, is building the new connection to reinforce the power grid in the west of the country. The new power line is essential to ensure security of supply for the forecast growth in consumption by residents, businesses and industrial consumers in the Bergen region, which is an important growth area. It will also provide additional capacity for the grid connection of new generation resources.

The total length of the new 420 kV Mongstad to Kollsnes connection will be around 30 km. On land, overhead lines will carry the power. However, the majority of the route crosses two fjords, requiring the installation of submarine cables.

For BKK, Nexans is providing a comprehensive turnkey service for the design, manufacture, supply and installation of a total of 90 km of single-core XLPE cable. The design is based on the same field-proven technology used in Statnett's successful Ormen Lange project, commissioned in 2006, then the world's first 420 kV XLPE submarine cable installation.

The submarine cables will be installed in the fjords in three parallel lengths to create a three-phase AC connection, rated at 420 kV. The cables will be protected by outer shells or water jetting from shore to 30 m water depth. The Lurefjorden installation will have a length of 10 km per phase and a maximum water depth of 200 m, while the Hjeltefjorden section will set a new world record for 420 kV XLPE cable covering both length – 20 km per phase – and depth – a maximum 390 m.

*"This major project for BKK reinforces Nexans's position in Norway as a key supplier of cable infrastructure projects with over 100 years of experience on the country's coast, islands and fjords", says Kjetil Hovland, Vice President Submarine High Voltage at Nexans. "It also confirms Nexans as a world leader in 420 kV XLPE submarine cables with proven capability to deliver complete turnkey systems."*

The submarine cable will be manufactured at Nexans' specialized facility in Halden, Norway for delivery and installation between 2016/17.



### **About Nexans**

With energy at the basis of its development, Nexans, worldwide expert in the cable industry, offers an extensive range of cables and cabling solutions. The Group is a global player in the energy transmission and distribution, industry and building markets. Nexans addresses a wide series of market segments: from energy and telecom networks to energy resources (wind turbines, photovoltaic, oil and gas, and mining) to transportation (shipbuilding, aerospace, automotive and automation, and railways). 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 commitment, customer orientation 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 25,000 people and had sales in 2012 of nearly 7.2 billion euros. Nexans is listed on NYSE Euronext Paris, compartment A.

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

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