

CIGRE 2018: Nexans presents its state-of-the-art HV cable solutions for submarine and land transmission networks

Nexans is presenting its complete range of transmission cabling systems and solutions, including its High Voltage Alternating Current (HVAC) and High Voltage Direct Current (HVDC) solutions for offshore and onshore applications, superconducting systems and cable recycling services.

Paris La Défense, August 24, 2018 – As the world's energy transmission needs continue to increase, a new generation of increasingly high performance and efficient power systems will be critical to keep up with the trend. For almost a century, CIGRE, the world's leading forum for power systems, has been gathering experts together to share their knowledge and join forces to improve the electric power systems of today and tomorrow. At the 2018 Session of CIGRE, Nexans will showcase its cutting-edge turnkey cabling systems for energy projects and will present the latest findings of the R&D projects in the framework of the event's Study Committees and Working Groups.

For decades, Nexans has been an active member of the CIGRE Technical Council, Study Committees (SC) and Working Groups (WG), contributing its know-how in the field of insulated cables. This year, Nexans' renowned experts are presenting technical papers on the future of networks, with the focus on armour loss in three-core submarine cables and electromagnetic interference in parallel HVDC cable circuits. In addition, Nexans will also be hosting a Lunch & Learn private seminar to present the latest innovations in HV transmissions.

As a turnkey partner for energy projects of any size and complexity, Nexans will be showcasing its complete offer of products and services for land and submarine transmission systems. This includes cutting-edge HVDC and HVAC solutions and associated services and HV accessories. In addition to overhead lines and land cable systems, Nexans will present its submarine cable solutions, including subsea interconnectors, inter-array cabling up to 66 kV, export cables for offshore and floating wind farms as well as power connections for oil and gas facilities.

Furthermore, CIGRE visitors will have a chance to know more about Nexans Aurora, the Group's new cable laying vessel with a 10,000-ton capacity turntable. Nexans Aurora will play a vital role in installation of Nexans' cutting-edge HV submarine cables that will bring more energy to the world, helping connect offshore wind farms to the grid, supporting electrification of offshore petroleum installations and creating interconnectors between countries.

Nexans will also showcase its thought leadership in the field of superconducting systems, presenting superconducting cable solutions for MV and HV grid as well as the sample of a 320 kV DC cable. This is the world's first high-voltage superconducting cable system capable of operating in direct current, designed in the framework of the EC-funded Best Paths Demo 5 workshop led by Nexans. The Group has manufactured the components for the prototype set-up, which is currently being installed in Nexans HV laboratory in Hanover, Germany. The first tests of the prototype are scheduled to take place later this year.

Finally, the visitors of the CIGRE 2018 will have a chance to learn more about Nexans Recycling Services that allow the customers to monetize their leftover cables while minimizing their environmental impact.

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, e-mobility), 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

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Contacts :

Press

Angéline Afanoukoe

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

angeline.afanoukoe@nexans.com

Ksenia Kanareva

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

ksenia.kanareva@nexans.com

Investor relations

Michel Gédéon

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

michel.gedeon@nexans.com

Marieme Diop

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

marieme.diop@nexans.com