

## NEXANS IS A PARTNER IN THE "ENSURE" PROJECT FOR THE DEVELOPMENT OF SUSTAINABLE GRID SOLUTIONS

The ENSURE project, funded by the German BMBF (Federal Ministry of Education and Research) will see a consortium of 21 companies and institutions working on reducing grid conversion costs through a combination of locally and centrally produced electricity

**Hanover (Germany), 12 April 2016** – On 5 April 2016 in Berlin, the Federal Minister of Education and Research Johanna Wanka announced the projects selected as "Copernicus projects for the energy turnaround". These projects, funded by the Federal Ministry of Education and Research, will develop technological and economic solutions for the conversion of the energy system. "By 2025, we will be providing new energy concepts that can be used on a large technical scale – and which will also be socially beneficial", said Wanka. Out of all the applicants, the ENSURE consortium, whose project partners include Nexans, delivered the most convincing proposal for the development of new grid structures.

Alongside the consortium leader, the Karlsruhe Institute of Technology and the management committee members RWTH Aachen, the energy supplier E.ON, grid operator TenneT TSO GmbH and the technology groups Siemens AG and ABB, Nexans, together with the Leibniz University of Hanover, qualified as a project partner for TenneT. A total of 21 partners from the fields of education, research and industry are participating in ENSURE.

The aim of the ENSURE project is to develop and test an effective energy grid structure that uses an efficient combination of locally and centrally produced electricity. The project will also consider economic, technical and social aspects. It plans to show how energy from fluctuating renewable sources can be locally integrated into the grid and that reliable interaction with the transmission grid can be guaranteed. Nexans will focus particularly on increasing the reliability of long-distance energy transmission systems, especially in the face of external disruptions.

The ENSURE project is planned in three phases. Initially, the basic principles will be researched; work on the research project will begin this year. There will then be a pilot, and in the final phase up to 2025, a large-scale demonstrator will show how new urban systems can be efficiently connected to the transmission grid.

According to Volker Gauler, Product Manager of the Land High Voltage group at Nexans, "TenneT's selection of Nexans as an industry project partner is evidence of our good relationship and their high level of trust in our research and development expertise. We are delighted to be contributing our expertise to the ENSURE project's development and testing of ground-breaking transmission grids".

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### Nexans Germany

Nexans Germany is one of the leading cable manufacturers in Europe. The company is offering an extensive range of high performance cables, systems, and components for the telecommunications and energy sectors, rounded off by superconducting materials and components, Cryoflex transfer systems and special machinery for the cable industry. Producing at manufacturing plants with 11,440 employees in Germany and abroad, the sales in 2015 amounts to 966 Mio Euro. The full integration into the Nexans Group Nexans Germany also benefits from excellent opportunities to use the available synergies in all corporate fields, which not only applies to worldwide projects but also to research and development, the exchange of know-how, and to other areas. More information on [www.nexans.de](http://www.nexans.de)

## PRESS RELEASE

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