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Media Release

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Borealis Borlink™ technology is powering the German *Energiewende*

- **HVDC cable compounds based on Borealis Borlink™ to be used in XLPE power cables at 525 kV level for majority of the German corridor projects**
- **Borlink™ technology enables efficient transport of renewable energy over long distances with minimal losses, thus driving the green-energy transition**
- **Innovative Borlink technology and dedication to quality assurance to ensure success of this huge project**

Borealis and Borouge announce that crosslinked polyethylene (XLPE) power cables made with Borealis Borlink™ extruded high voltage direct current (HVDC) technology will be used for the majority of the German corridor projects. This marks the first use of the Borlink XLPE HVDC technology at extra-high levels of 525 kilovolt (kV). Comprising three separate corridors, this huge project is a chief enabler of the German Energiewende, or energy transition. Borealis Borlink cables will be implemented in the northern part of the SuedOstLink and along the entire SuedLink corridor, thus facilitating the transmission of renewable energy from north to south with minimal loss.

The shift in electricity generation to renewable energy sources requires Germany to overhaul and expand its electrical grids in order to ensure high supply security. The German corridor projects are key components in enabling the country to produce sufficient volumes of energy with renewable sources such as wind and solar power, and to reliably transport large amounts of green energy over vast distances with only minimal losses. This efficient transport from remote sources to the grid is made possible by the innovative Borlink technology.

Building on a long and unique industry track record of delivering innovation to a global customer base, the 2014 launch of the next-generation Borlink direct current XLPE compounds was a step-change. It allowed for extruded cable technology to be used at significantly higher voltage and transmission levels than ever before – in this instance at extra-high voltage levels of 525 kV, a first of its kind.

Borealis Borlink XLPE HVDC cables are now being used in two of the three new German corridors: in the SuedLink, which has two power cable systems of 2 gigawatt (GW) each and a route length of over 2500 km; and in the northern stretch of the SuedOstLink corridor, which consists of one 2-GW circuit and approximately 500 km of cable. Overall, cables based on Borlink will make up a majority of the total

corridors project. The more efficient transmission of renewable energy from remote sources to the grid made possible by Borlink XLPE extruded technology is an important contribution to bringing about a low-carbon energy future in Germany.

“As a leading global compound supplier to the energy industry, Borealis offers its customers superior materials as well as quality assurance expected from a reliable partner,” says Lucrece Foufopoulos, Borealis Executive Vice President Polyolefins and Innovation & Technology. “We will maintain a competitive edge through innovation, and by continuing to invest in state-of-the-art production facilities to secure flawless project execution for our customers. This is how we re-invent for more sustainable living.”



Photo: Borealis' Borlink™ technology enables efficient transport of renewable energy over long distances with minimal losses

Photo: © Borealis

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Borealis solutions bring energy all around

For over 50 years, Borealis has provided value-creating polyolefin compounds for the global energy industry.

Because understanding project execution is critical to the success of 'Power Projects', Borealis provides unparalleled reliability with Assurance Delivered for submarine and land cable projects. In power transmission and distribution, Borealis satisfies the highest demands on performance and across a comprehensive portfolio for medium and low voltage cable applications, as well as high-performance polypropylene (PP) capacitor film solutions for the entire energy sector.

Extra-high, high voltage AC and DC, and medium voltage applications are powered by Borlink™ technology. While the Visico™ technology helps extend the lifetime of cable systems for low and medium voltage applications.

To meet safety standards for industries and buildings sustainably, Borealis also offers a low smoke and zero halogen flame retardant system.

Borealis compounds also help meet network provider's requirements for communication cables, namely fibre optic, data, copper multipair and coaxial cables.

About Borealis and Borouge

Borealis is a leading provider of innovative solutions in the fields of polyolefins, base chemicals and fertilizers. With its head office in Vienna, Austria, the company currently has around 6,900 employees and operates in over 120 countries. Borealis generated EUR 8,1 billion in sales revenue and a net profit of EUR 872 million in 2019. Mubadala, through its holding company, owns 64% of the company, with the remaining 36% belonging to

Austria-based OMV, an integrated, international oil and gas company. Borealis provides services and products to customers around the world in collaboration with Borouge, a joint venture with the Abu Dhabi National Oil Company (ADNOC).

Borealis and Borouge aim to proactively benefit society by taking on real societal challenges and offering real solutions. Both companies are committed to the principles of Responsible Care®, an initiative to improve safety performance within the chemical industry, and work to solve the world's water and sanitation challenges through product innovation and their Water for the World programme.

For more information visit:

www.borealisgroup.com

www.borouge.com

www.stopoceanplastics.com

www.waterfortheworld.net

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