

Media Release
Vienna, Austria | November 11, 2013

Borouge and Borealis highlight HVDC cable solutions in China

Borouge and Borealis, leading providers of innovative, value creating plastics solutions to the global wire and cable industry, together with Shanghai Electric Cable Research Institute (SECRI), successfully held a HVDC (High Voltage Direct Current) seminar on 17-18 October 2013 in Shanghai, China.

Some 50 international and national experts, from cable making companies, research institutes and utilities took with high interest note of the latest HVDC cable system technology and applications. Key HVDC aspects were presented by speakers from the State Grid Zhoushan Utility, China Southern Power Grid Guangdong Power Grid Corporation, Fujian Yongfu Project Consultant Co., National Center for Quality Supervision & Test of Wire and Cable, Shanghai Jiaotong University, Tennet, KUL Leuven, Borealis, and others.

Roland Janssen, Vice President Marketing Centre Wire & Cable at Borouge, and Wei Dong, Head of SECRI, revealed in their welcoming speeches the importance of HVDC development. HVDC cables have been introduced as a new type of environmental-friendly and energy-saving power cable as it enables efficient power supply over long distances. Wei Dong explained that the HVDC technology is a breakthrough development in efficiently connecting renewable energy to the existing power GRIDs. "Especially China experiences huge development potential as it is currently witnessing a fast economic growth and big demand for electric energy," continued Wei Dong. Roland Janssen underlined further that Borouge and Borealis, leading worldwide suppliers to HVDC cable makers, have 15 years of experience with Borlink™ HVDC materials. These cross-linked polyethylene (XLPE) compounds distinguished with special electrical and superior processing characteristics are inevitable for HVDC cables.

The Borlink technology is a step-change innovative solution along the wire and cable value chain. It includes a tailor-made and unique high pressure

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process for the production of high purity and super clean low density polyethylene (LDPE) base polymers with superior electrical properties.

Borouge and Borealis commit to the increasing global demand for XLPE (Cross-Linked Polyethylene) through their current and future investments in Borlink technology. Borouge will be producing 350,000 tonnes of LDPE (Low Density Polyethylene) per year at its new plant being built in Ruwais, Abu Dhabi, as part of the Borouge 3 expansion project. This will be a significant similar addition to Borealis' high pressure LDPE plant that was inaugurated in Sweden in 2010. This investment in LDPE production spearheads Borouge's ability to also manufacture innovative Borlink XLPE solutions for the global wire and cable market.



Borouge and Borealis successfully held a HVDC (High Voltage Direct Current) seminar on 17-18 October 2013 in Shanghai, China. Photo: © Borouge.

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For further information please contact:

Virginia Mesicek, External Communications Manager
Tel. +43 (0)1 22 400 389 (Vienna, Austria)
e-mail: virginia.mesicek@borealisgroup.com

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Borealis is a leading provider of chemical and innovative plastics solutions that create value for society. With sales of EUR 6.3 billion in 2010, customers in over 120 countries, and around 6,200 employees worldwide, Borealis is owned 64% by the International Petroleum Investment Company (IPIC) of Abu Dhabi and 36% by OMV, the leading energy group in the European growth belt. Borealis is headquartered in Vienna, Austria, and has production locations, innovation centres and customer service centres across Europe and the Americas.

Through Borouge, a joint venture between Borealis and the Abu Dhabi National Oil Company (ADNOC), one of the world's major oil and gas companies, the company's footprint reaches out to the Middle East, Asia Pacific, the Indian sub-continent and Africa. Established in 1998, Borouge employs approximately 1,600 people, has customers in more than 50 countries and its headquarters are in Abu Dhabi in the UAE and Singapore.

Building on Borealis' unique Borstar® technology and their more than 50 years experience in polyolefins, Borealis and Borouge provide innovative, value creating plastics solutions for the infrastructure (pipe systems and power and communication cables), automotive and advanced packaging markets. In addition, Borealis offers a wide range of base chemicals from melamine and fertilizer to phenol and acetone.

Today, Borealis and Borouge have a manufacturing capacity of over 5.4 million tonnes of polyolefins (polyethylene and polypropylene) per year having recently completed a 1.5 million tonne capacity expansion in Abu Dhabi. The Borouge 3 plant expansion will be completed at the end of 2013 with a further capacity of 2.5 million tonnes per year (t/y) being fully operational in mid-2014. The companies continue to invest to ensure that their customers throughout the value chain and across the globe can always rely on product quality, consistency and security of supply.

Borouge and Borealis are committed to the principles of Responsible Care® and proactively contribute to addressing the world's water and sanitation challenges through their Water for the World™ initiative.

For more information visit:

www.borealisgroup.com
www.borouge.com
www.waterfortheworld.net

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