



April 27, 2009
J-Power Systems Corporation

World Highest-Voltage DC XLPE Cable Project Awarded

J-Power Systems Corporation was awarded the 45 kilometers submarine cable project connecting Hokkaido Island and Honshu Main Land in a turn-key basis by Electric Power Development Co., Ltd. DC $\pm 250\text{kV}$ XLPE cable shall be applied for this project. The application of XLPE cable (*) for DC transmission is the first project in Japan and, 250kV is the highest voltage for DC XLPE cable in the world for commercial use. Moreover, this cable allows the polarity reverse operation, and this is also first in the world.

J-Power Systems Corporation is concentrating its resources on this project aiming start of operation in 2011.

(*)Power cable using Cross-Linked Polyethylene (XLPE) as insulation material. XLPE is commonly used for AC cable, but J-Power Systems Corporation has developed a high performance special XLPE Cable for DC.

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