

The world's longest undersea power transmission cable

The UK National Grid and Danish company Energinet have teamed up to develop the world's longest undersea power transmission cable called Viking Link which will bring socio-economic benefits to both countries.

This is a submarine cable line that transmits high voltage direct current (HVDC) electricity between England and Denmark. The cable route, with a length of 765 km, connects the Revsing substation in southern Jutland, Denmark with the Bicker Fen substation in Lincolnshire, England. The capacity of the entire line is 1,400 megawatts (MW).



Viking Link was designed and installed by contractor Prysmian in Italy. The cables for the project are manufactured at the factory in Arco Felice, near Naples. Prysmian Group spreads cables using Cable Enterprise and Leonardo da Vinci ships.

The Viking Link cable allows electricity exchange between the UK and Denmark, increasing access to renewable and sustainable energy sources for more than 1.4 million households, improving electricity supply security.

Switching from polluting energy sources to clean, renewable energy will play a very important role in preventing global warming. Viking Link has been completed and is expected to go into operation later this year.

Hakan Ozmen, vice president of project operations at Prysmian Group, shared that the Viking Link project is a big milestone confirming Prysmian's reliability in handling complex projects. He said the company always supports countries to achieve sustainability goals, helping the UK and Denmark significantly reduce carbon emissions.

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