

National Grid and Energinet name suppliers for UK's first ever power cable to Denmark

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- 472-mile link will be the longest in the world and enable the sharing of renewable energy between the UK and Denmark.
- Viking Link has the capacity to power one and a half million UK homes.
- Construction expected to be completed by end of 2023.

National Grid and Energinet have today announced their chosen cable and converter station suppliers for Viking Link, the UK's first ever subsea electricity interconnector to Denmark.

Viking Link is a joint venture between National Grid Ventures, part of National Grid, and Danish system operator.

Energinet. The 1.4 GW high voltage direct current interconnector, which will be the longest in the world when completed, will stretch 472 miles from the Lincolnshire coast to Western Denmark.

The project will consist of two parallel HVDC (High Voltage Direct Current) cables which will be manufactured and installed by Prysmian Powerlink S.r.l. and NKT HV Cables AB. Prysmian will deliver four of the five cable lots and NKT will deliver the onshore cable lot in Denmark.

Industrial manufacturing company Siemens will be supplying and installing equipment for two converter station sites in Lincolnshire, UK and Revsing, Denmark.

The three contracts have a combined value of 1.1bn euros (£990mn). Viking Link will now move from development to the construction phase, with work in the UK and Denmark beginning next summer. Construction on Viking Link is expected to be completed by the end of 2023.

Jon Butterworth, Chief Operating Officer for National Grid Ventures, said:

"We're thrilled to be kicking off such an important project for the UK. Viking Link will play a vital role in helping to decarbonise the UK's power supply on our journey to a net zero carbon energy system. Interconnectors like Viking Link enable us to use every spare electron, meaning consumers get access to cleaner, cheaper and more secure electricity."

Energinet Chief Technology Officer Torben Glar Nielsen said:

"Viking Link offers significant socio-economic welfare benefit for Denmark as well as bringing great benefits to UK consumers. At the same time, it will play a key role in

the transition to green energy. This connection offers a broader market for renewable energy and will attract the development of more green power plants, such as offshore wind farms.”

Viking Link will be National Grid's sixth interconnector to Europe. The company already has three operational interconnectors to France (IFA), the Netherlands (BritNed) and Belgium (Nemo Link). Two further projects are under construction to France (IFA2, operational 2020) and Norway (North Sea Link, operational 2021).

Following the completion of Viking Link, National Grid will have enough interconnector capacity (7.8 gigawatts) to power 8 million homes. By 2030 90% of electricity imported via National Grid's interconnectors will be from zero carbon sources

For more information on the project visit www.viking-link.com

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Notes for editors

About National Grid Ventures (NGV):

National Grid Ventures is part of National Grid plc, one of the world's largest investor-owned energy companies. Separate from National Grid's core regulated businesses, NGV develops, operates and invests in energy projects, technologies and partnerships to accelerate the development of a clean energy future for consumers. NGV's existing portfolio includes four gigawatts of operational electricity interconnector capacity connecting the UK with neighbouring markets, which enables the delivery of cleaner, more secure and more affordable energy. NGV is also constructing three more interconnectors to France, Norway and Denmark and has recently announced the acquisition completion of Geronimo Energy, a leading US-based renewable energy developer.

Notes to Editors:

National Grid is pivotal to the energy systems in the UK and the north eastern United States. We aim to serve customers well and efficiently, supporting the communities in which we operate and making possible the energy systems of the future.

National Grid in the UK:

- We own and operate the electricity transmission network in England and Wales, with day-to-day responsibility for balancing supply and demand. We also operate, but do not own, the Scottish networks. Our networks comprise approximately 7,200 kilometres (4,474 miles) of overhead line, 1,500 kilometres (932 miles) of underground cable and 342 substations.
- We own and operate the gas National Transmission System in Great Britain, with day-to-day responsibility for balancing supply and demand. Our network comprises approximately 7,660 kilometres (4,760 miles) of high-pressure pipe and 618 above-ground installations.
- As Great Britain's System Operator (SO) we make sure gas and electricity is transported safely and efficiently from where it is produced to where it is consumed. From April 2019, Electricity System Operator (ESO) is a new standalone business within National Grid, legally separate from all other parts of the National Grid Group. This will provide the right environment to deliver a balanced and impartial ESO that can realise real benefits for consumers as we transition to a more decentralised, decarbonised electricity system.
- Other UK activities mainly relate to businesses operating in competitive markets outside of our core regulated businesses; including interconnectors, gas metering activities and a liquefied natural gas (LNG) importation terminal – all of which are now part of National Grid Ventures. National Grid Property is responsible for the management, clean-up and disposal of surplus sites in the UK. Most of these are former gas works.

Find out more about the energy challenge and how National Grid is helping find solutions to some of the challenges we face at <https://www.nationalgrid.com/group/news>

National Grid undertakes no obligation to update any of the information contained in this release, which speaks only as at the date of this release, unless required by law or regulation.

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