Viking Link V

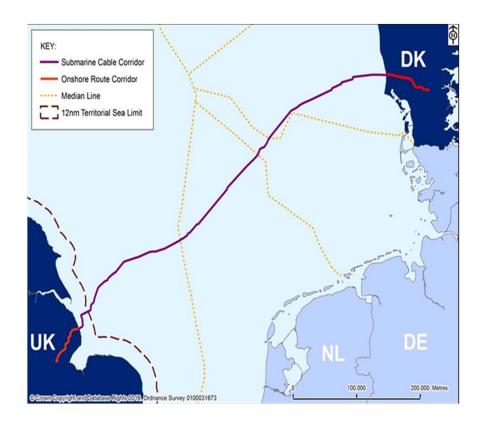
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Viking Link Project Overview



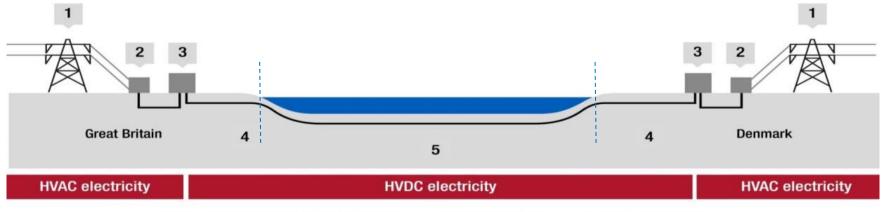
Key facts:

- 50/50 UJV between NG and Energinet
- 768km HVDC Interconnector between UK and Denmark
- 1.4GW 525kV
- FID Sept 18
- Commissioning 2023
- Longest subsea interconnector in Europe
- Crosses through UK, Dutch, German &
 Danish Waters





Viking Link (End to End)

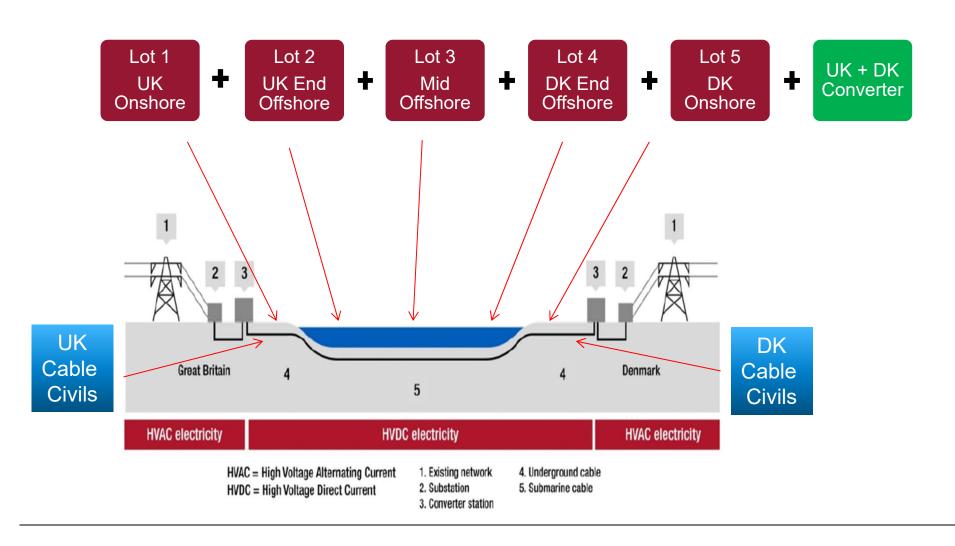


- HVAC = High Voltage Alternating Current HVDC = High Voltage Direct Current
- Existing network
 Substation
- 3. Converter station
- 4. Underground cable
- 5. Submarine cable

Capacity	1400MW @ 525kV (DC)	DK Onshore Route	76 km (Blaabjerg - Revsing)
Converter technology	Voltage Source Converter (VSC) Bipole Configuration	Submarine Cable	625km
Cable technology	Mass Impregnated (MI)	UK Onshore Route	67km (Boygrift to Bicker Fen)

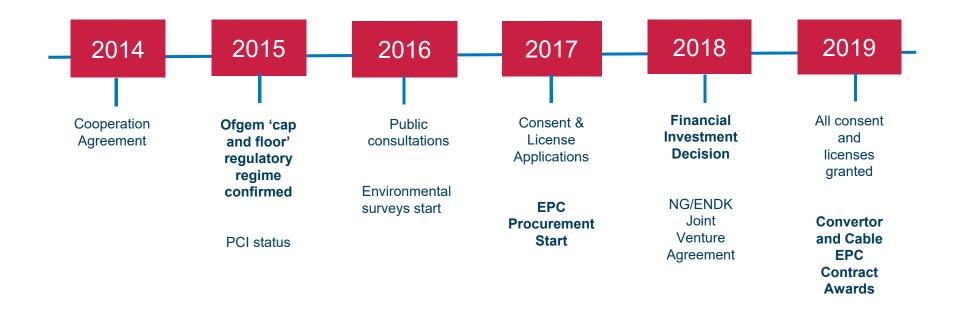


Contracting Strategy



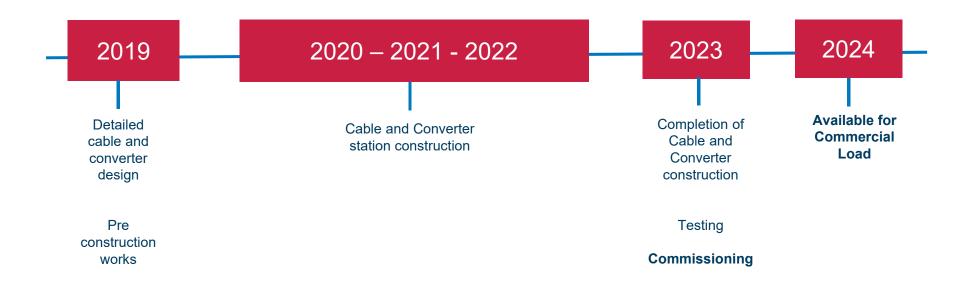


Project timeline – Development Phase





Project timeline – Construction phase

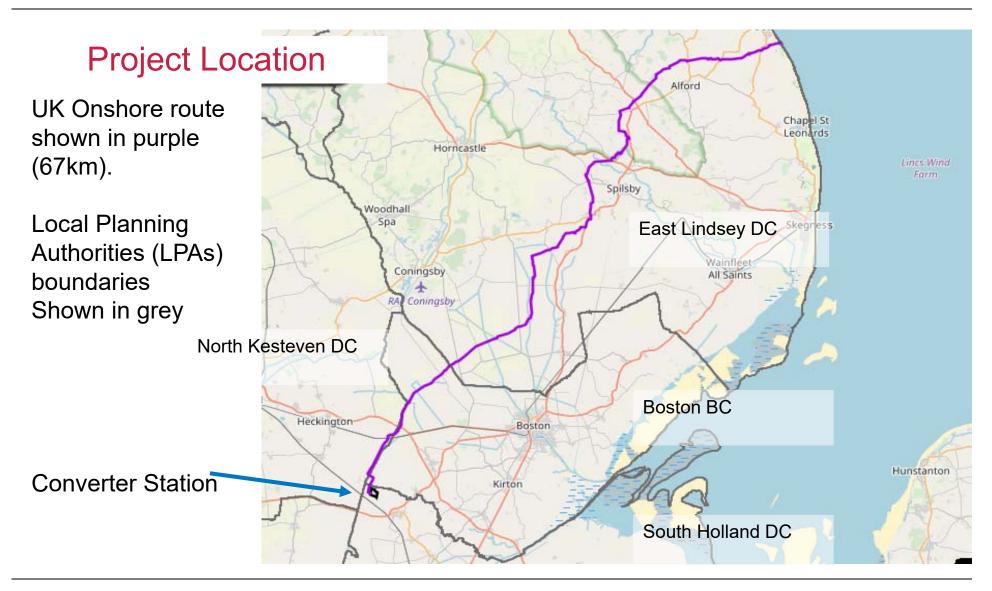




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Stakeholder Management - Consenting







Consents Position

UK Onshore: 4 LPAs affected

One of the longest multi-authority Town & Country Planning Act submissions

3 LPAs granted planning permission (South Holland DC, Boston BC and North Kesteven DC) between September and October 2018 NGVL appealed the final LPA refusal (East Lindsey DC), PINS decided to allow the appeal and grant planning permission on the 12th December 2018

Other Territories

UK Offshore: Marine Licence Secured from MMO

Netherlands: Offshore Consent secured

Germany: Permits Received

Denmark: Onshore and Offshore Consents Secured

TEN –E Regulation

Viking Link is a Project of Common Interest (PCI) and benefits from streamlined consideration in all affected countries. Comprehensive Decision in the UK was received in February 2019.



Stakeholder Management

- To achieve consenting and Land Owner sign ups significant amount of effort by the whole team
- Land & Consenting experts provide the majority of stakeholder facing activities
- Supported by Engineering
- Need to be aware and sensitive to local issues.
- Vast Majority of Land Owners signed up voluntarily
- COP progressing for parcels of land where no owner identified.









Cable Routing

- Cable routing & installation decisions can impact on local stakeholders
- Route modified and HDD used to reduce concerns regarding exacerbating flooding
- Flooding in Wainfleet





https://www.telegraph.co.uk/news/2019/06/17/burrowing-badgers-blamed-catastrophic-flooding-forced-hundreds/

Date Title