

Nautilus Interconnector Non-Statutory Consultation

National Grid Ventures
September-October 2021

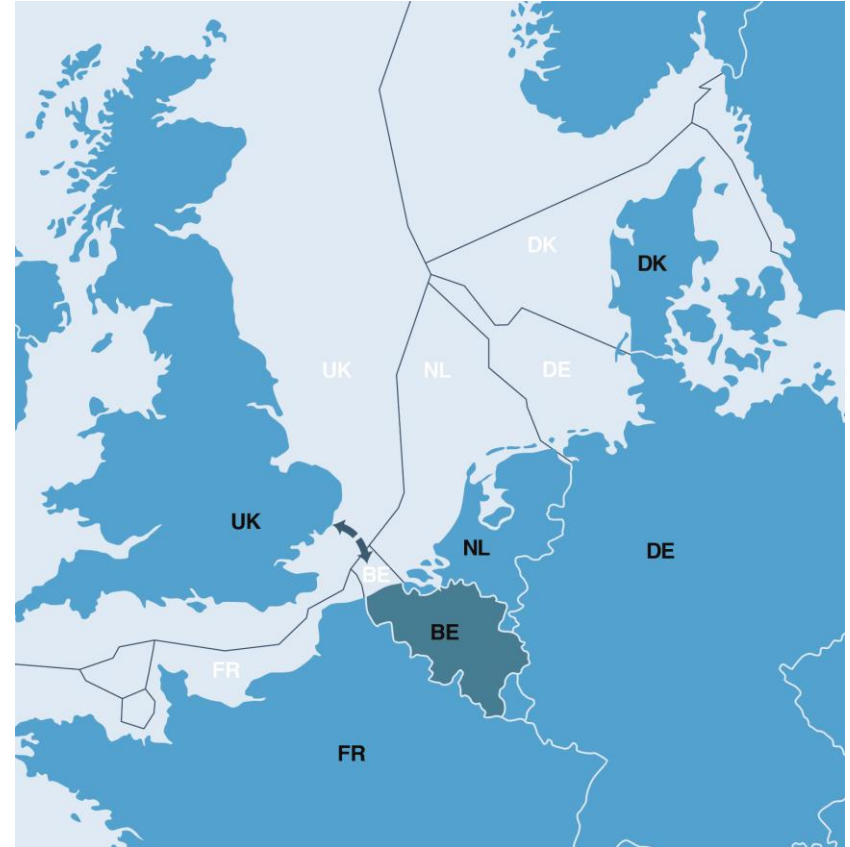
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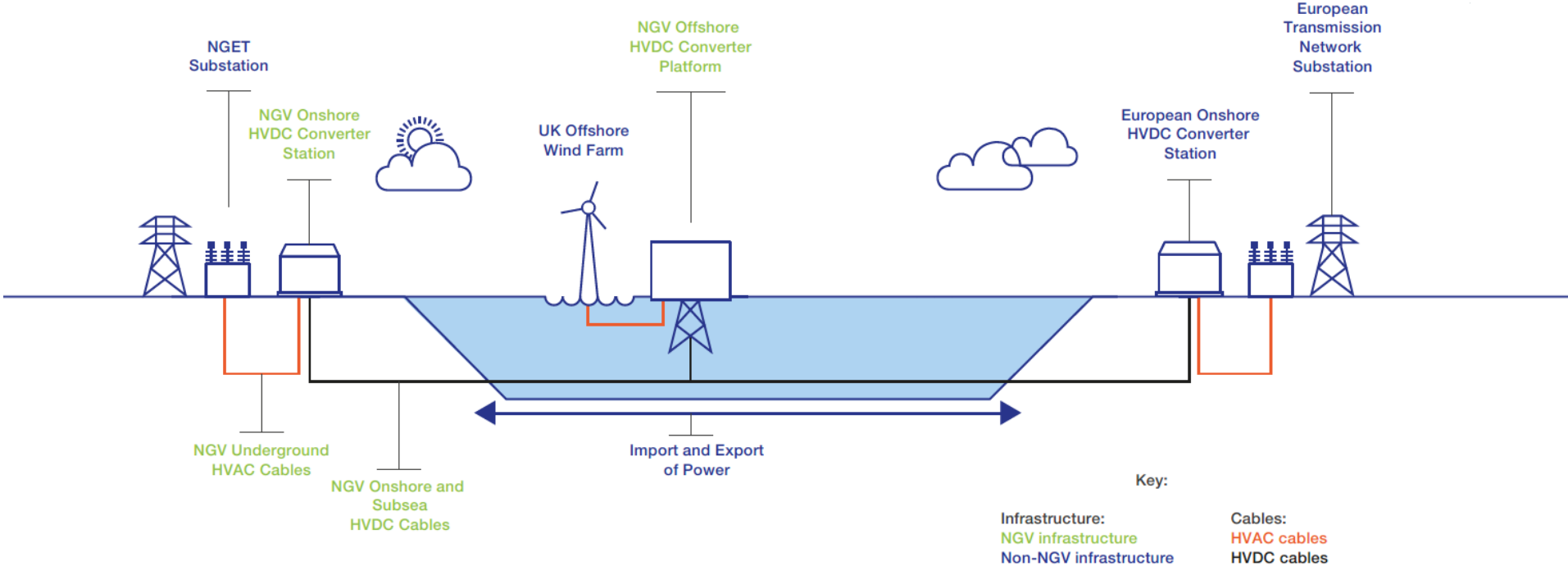
Introduction

National Grid Ventures (NGV) is holding a non-statutory community consultation on Nautilus Interconnector

- Nautilus is a proposed multi-purpose interconnector(MPI) between Great Britain and Belgium
- Capacity to connect 1.4 GW of offshore wind to each country.
- We first introduced the project to the community in 2019 and have been liaising with stakeholders since then.
- Here to provide you with a pre-briefing on the information which will be presented as part of the upcoming community consultation.



What is a multi-purpose interconnector/MPI?



Project Update

In September 2020 Nautilus was reclassified as a Multi Purpose Interconnector.

This reflected ongoing discussion and feedback from local stakeholders and work alongside BEIS and Ofgem – coordination and integration being the key themes

Consultation

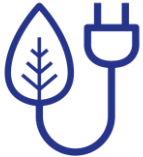
To develop our MPI proposals, feedback is being sought on:

- Our vision for multi-purpose interconnectors (MPI)
- Onshore Routeing and Siting Options
- Opportunities for co-ordination

We are mindful of the amount of activity proposed in Suffolk and want to provide every opportunity for comment and involvement in the development of Nautilus

The next generation of interconnector

Developing Nautilus as an MPI is the first step in responding to need for greater coordination. It will:



- Provide environmental benefits
- Reduce impacts on coastal communities with fewer individual connections and reduced construction required.



- We're also looking at further opportunities in consenting, development and construction.
- Support UK Government targets for offshore wind in 2030 and net zero by 2050.



- Increase security of energy supply for UK.
- Provides access to lowest price energy between the UK and Belgium.
- Support clean energy transition by providing up to 2.8 GW of capacity.

Nautilus onshore

Siting and routeing work has been based on the reasonable assumption of a potential connection location at the Friston NGET substation as proposed by ScottishPower Renewables (SPR).

Our shortlisted converter station search areas, landfall and cable route options, are detailed on the next slide. For our Nautilus DCO application, we intend to narrow this down to:

- One converter station site of five hectares
- One landfall site
- One HVDC cable corridor from the landfall location to the converter station
- One HVAC cable corridor from the converter station to the NGET substation

**Initial siting and routing options –
non-statutory consultation
September - October 2021**



More detailed OS Maps will be available as part of the consultation.

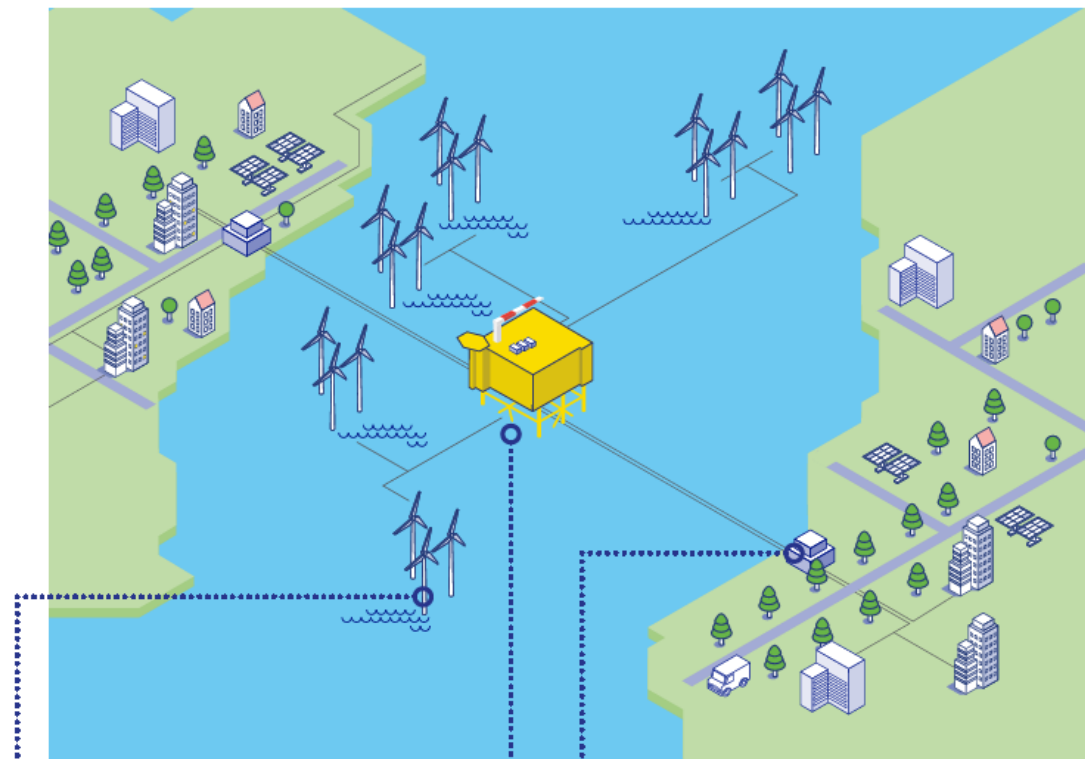
Key

- ▭ Landfall location options
- ▭ Landfall E - least preferred onshore*
- ▭ Northern cable route corridor
- ▭ Southern cable route corridor
- ▭ Shared route for Northern and Southern corridor
- ▭ Central cable route corridor
- ▭ Landfall E cable route corridor
- ▭ Converter station search areas
- ▭ Friston substation
- ▭ Cable corridors for grid connection

Nautilus offshore

Offshore components for Nautilus will include:

- A submarine High Voltage Direct Current (HVDC) interconnector
- Offshore converter station platform/s



• Wind farm/s connect to these offshore converter stations, potentially linking clusters of wind farms into a single connection point.

• Converter stations on land (one at each end of the connection) transform direct current into alternating current so that it can be fed into the high-voltage grid.

An **offshore converter** station transforms the alternating current into direct current, enabling it to pass through the HVDC cable.

Offshore siting and routeing

Currently identifying potential cable route options and location options for the offshore HVDC converter station platform/s (and any additional infrastructure).

Key criteria considered to identify routes and site options includes:

- Nature conservation designations and habitat areas
- Existing and planned infrastructure (cables, pipelines, wind farms), aggregate extraction areas and disposal sites
- Navigational features, wrecks, water depth, seabed sediment and other features

Once we have identified potential options we will engage with relevant technical marine stakeholders and fisheries organisations to help inform the development and refinement of these options.

A seabed survey is planned for 2022.

Considering different scenarios

Proposed Friston substation not yet consented.

Our connection agreement for Nautilus relates to the 'Leiston area'. Not a specific location.

The project is considering alternative scenarios in the event that Friston is not consented.

MPIs present the opportunity for coordination of multiple projects. For Nautilus this means:

- A submarine High Voltage Direct Current (HVDC) interconnector
- Providing a connection opportunity for new offshore wind farm/s (integration)
- Exploring the ability to co-locate with projects to reduce potential impacts both onshore and offshore (collaboration)

We are exploring different scenarios for potential coordination and seeking feedback on this as part of our consultation. For example:

Do you think that consideration should be given to locating developments in areas of the AONB which are already characterised by industrial development?

Our consultation

We will be holding a 6-week public consultation from Tuesday **14 September** – Tuesday **26 October**.

Our consultation will be a 'hybrid' combining the best of virtual consultation methods with face-to-face drop-in sessions.

Publicising

- Posting consultation leaflets to over 10,000 properties in the local area.
- Advertising in the East Anglian Daily Press and distributing information posters across East Suffolk.
- Writing to a number of local community groups and interest groups to inform them of how they can get involved.

Accessing our materials and providing feedback can be done:

- In person by attending one of our events
- Online via our project website
- By post by writing a letter or completing one of our feedback forms and posting it back to us free of charge to our Freepost address.
- You can also email us, call us or write to us using the details on the last slide of this presentation.

Our events

Date	Time	Location
Tuesday 28 September	4pm to 8pm	Leiston Community Centre
Wednesday 29 September	10am to 2pm	Friston Village Hall
Thursday 30 September	4pm to 8pm	Thorpeness Pavilion
Friday 1st October	10am to 2pm	Saxmundham Market Hall
Thursday 7 October	10am – 12pm	Community Q&A webinar 1
Thursday 12 October	6pm – 8pm	Community Q&A webinar 2

We will also have a virtual exhibition on our website for anybody who is unable to attend an event.

What's next

Sept 2021



Q1/Q2 2022



2022-2023



Q2 2023

- Non-stat consultation running for six weeks between 14 September – 26 October.
- Analysis of feedback. We will publish a summary for the community and wider stakeholders.
- Refinement of our siting and routing options based upon feedback, as well as engineering, technical and environmental considerations.
- Preparation of a Scoping Report to submit to the Planning Inspectorate.
- Planned Seabed Survey.
- Further phases of community consultation on refined proposals for Nautilus and preliminary environmental information.
- We are aiming to submit our DCO application in Q2 2023

Contact us

Write to us at: **Freeport Nautilus Interconnector**

Call our Freephone information line: **08081 699 822**

Email us at: info@nautilusinterconnector.com

Visit our webpage: <https://www.nationalgrid.com/group/about-us/what-we-do/national-grid-ventures/interconnectors-connecting-cleaner-future/nautilus>

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