

# LIONLINK:

「A vital step **towards an**  
**integrated** North Sea **grid**」

**Public Webinar – October 2023**

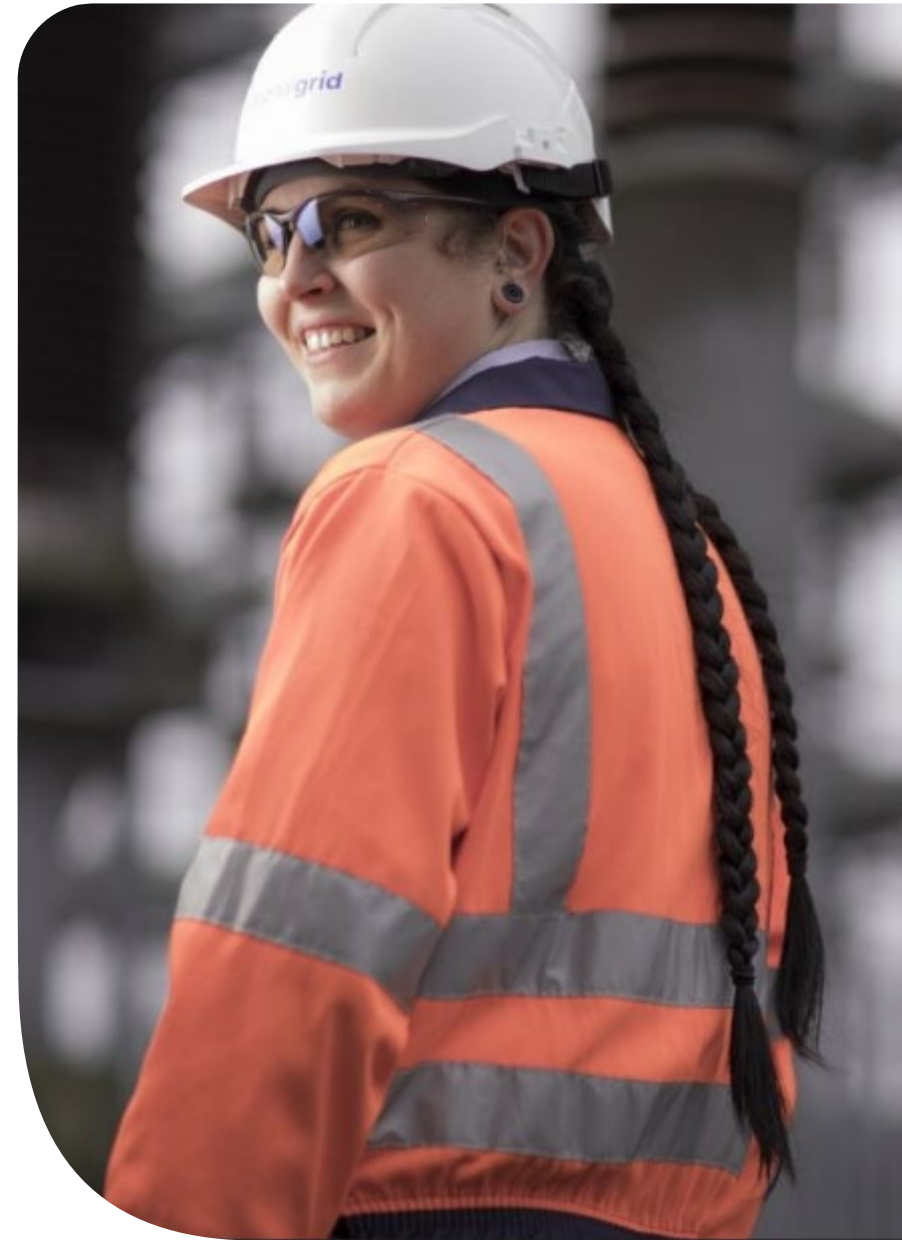
# Housekeeping

- All attendees will be muted during the webinar and cameras will be turned off
- The webinar will be recorded for internal notetaking purposes
- You can ask questions via the Q&A tab at the top of your screen
- All questions will be responded to either on the webinar and/or incorporated into our public FAQs document
- Questions that are answered verbally on the webinar will be published in the Q&A tab
- Please complete the feedback form on our consultation website or request a hard copy



# Agenda

- About NGV and LionLink
- Feedback from 2022 non-statutory consultation
- How we have responded
- Opportunities for coordination
- Supplementary 2023 non-statutory consultation
- Project timeline



About NGV

# Who are we?

**nationalgrid**  
Group PLC

## **National Grid Electricity Transmission (NGET)**

Owns and maintains the high voltage electricity transmission network in England and Wales.

## **National Grid Electricity Distribution (NGED)**

As the UK's largest electricity distribution network, it serves nearly 8 million customers in the East and West Midlands, South West and Wales.

## **Electricity System Operator (NGESO)**

Ensures that Great Britain has the essential energy it needs by ensuring supply meets demand every second of every day.

## **National Grid Ventures (NGV)**

Operates a mix of assets and businesses to help accelerate the development of our clean energy future, such as undersea electricity interconnectors with European partners.

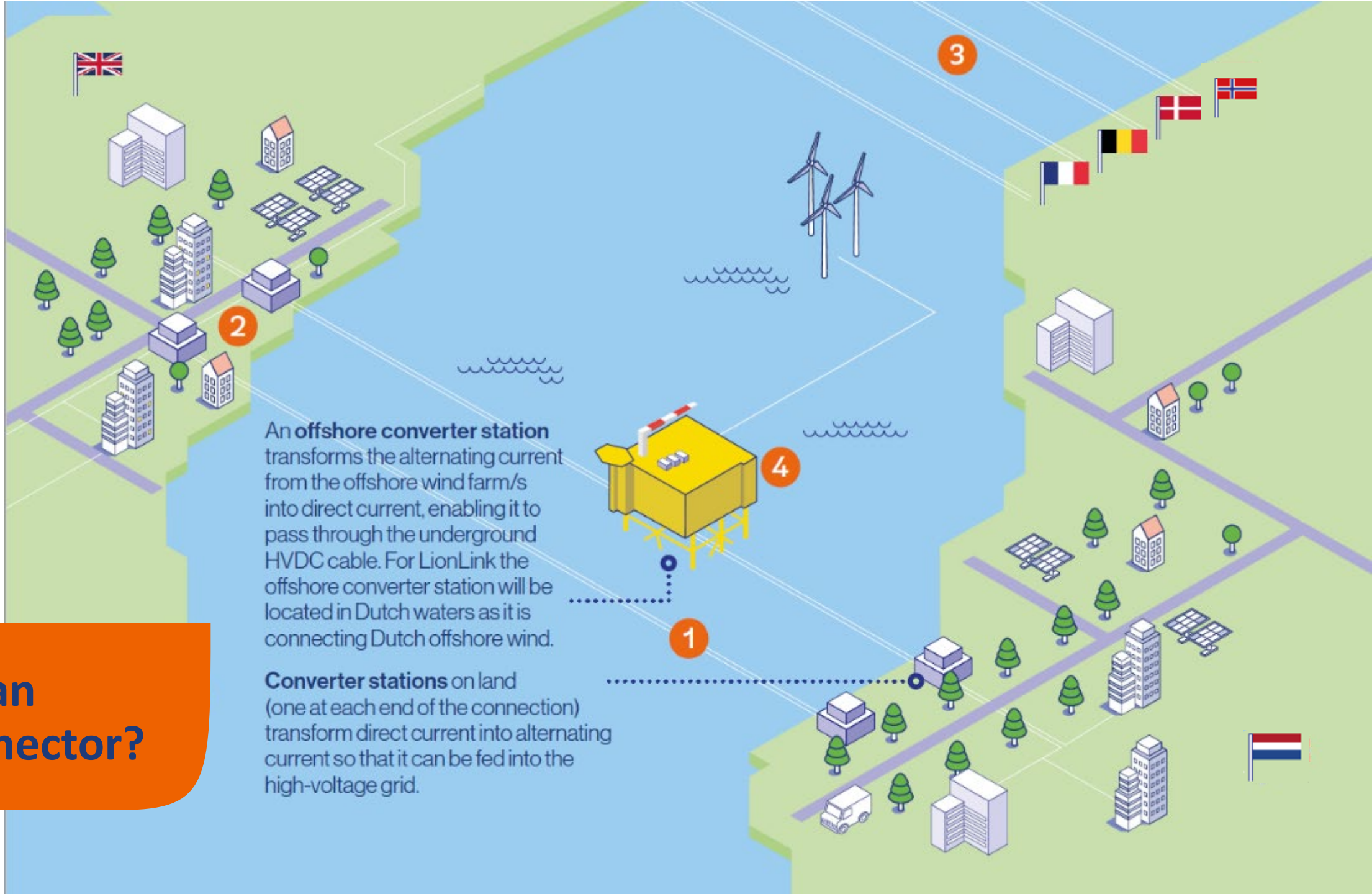
*About LionLink*

# What is LionLink?

**LionLink will be the first electricity link of its kind between Great Britain and The Netherlands enabling the cross-border flow of electricity and the direct connection to Dutch offshore wind.**

- Potentially supply up to 1.8 GW of electricity, enough to power approx. 1.8 million British homes.
- Delivering increased interconnector capacity by 2030 towards Government targets, including the target of 18GW of interconnector capacity by 2030.
- Strengthening our national energy security.
- Supporting the UK and Europe's climate and energy goals.
- Boosting competition in the energy market and improving the affordability of energy.





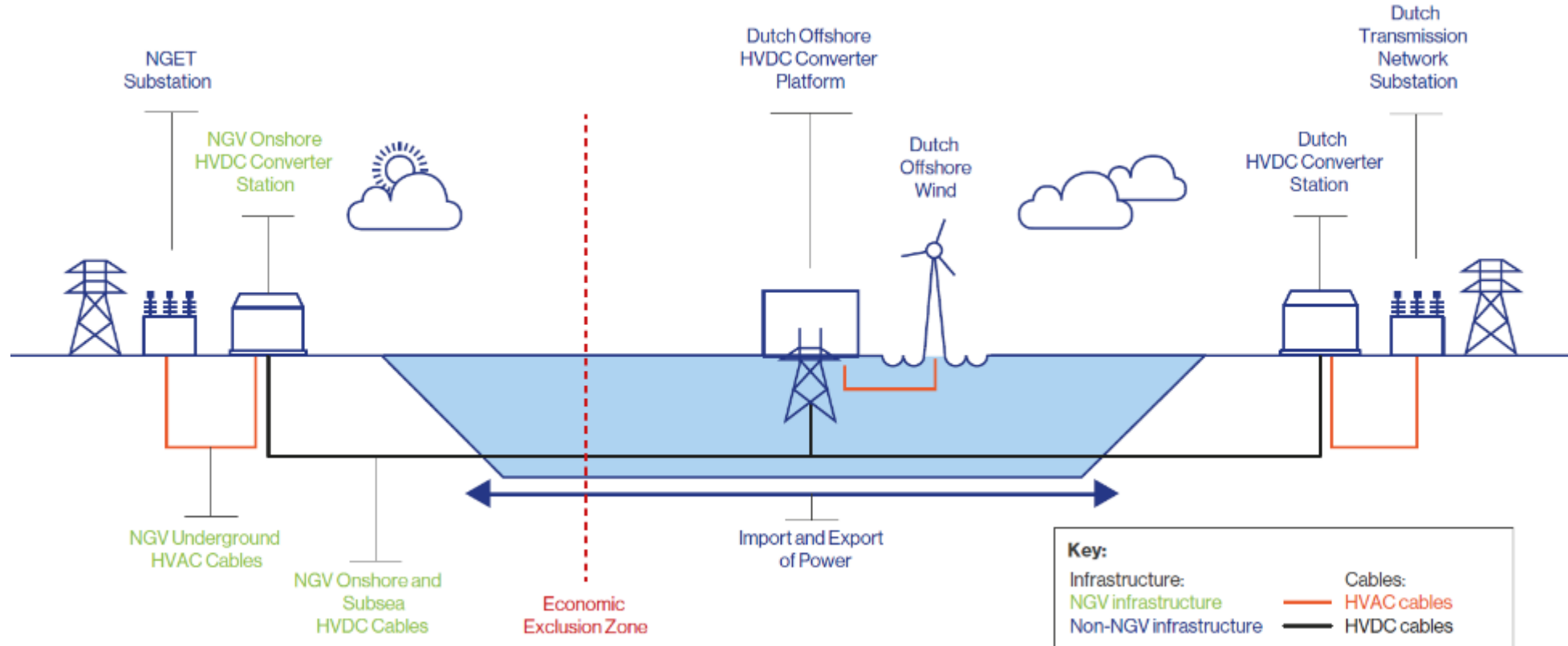
An **offshore converter station** transforms the alternating current from the offshore wind farm/s into direct current, enabling it to pass through the underground HVDC cable. For LionLink the offshore converter station will be located in Dutch waters as it is connecting Dutch offshore wind.

**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.

What is an interconnector?

About LionLink

# What infrastructure will be required to deliver LionLink?



# Our 2022 non-statutory consultation

A non-statutory consultation on the LionLink project was held between October and December 2022.

We have reviewed the feedback received during the consultation and have used it to inform the refinement of our proposals.

During this time:

- **234** feedback responses were received from community members and stakeholders, including town and parish councils, and Members of Parliament.
- **87** people attended our community webinar events
- **8,006** views of our website and virtual exhibition
- **535** people attended our in-person community events.



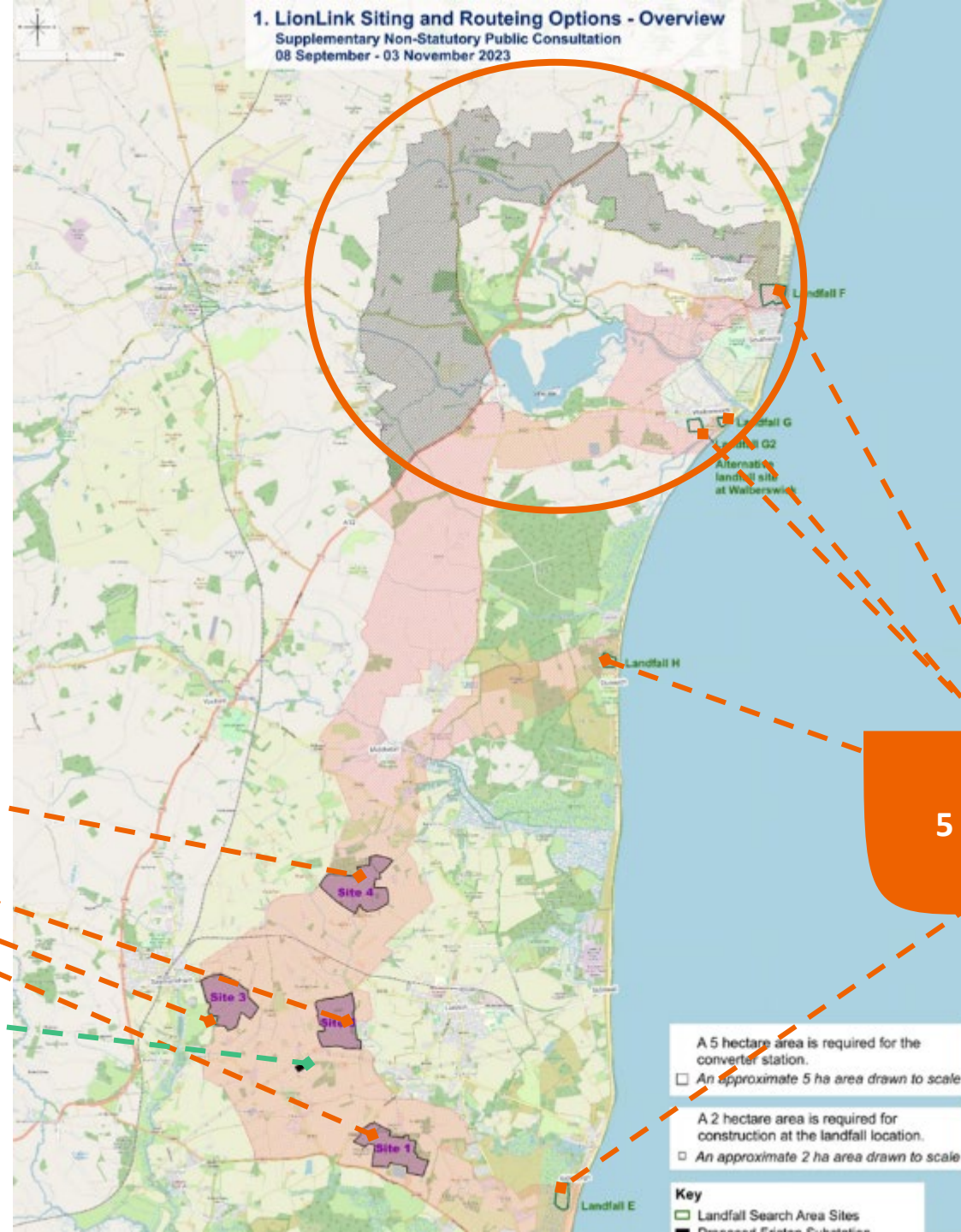


# How have we responded?

4 converter station search area options

Proposed Friston substation

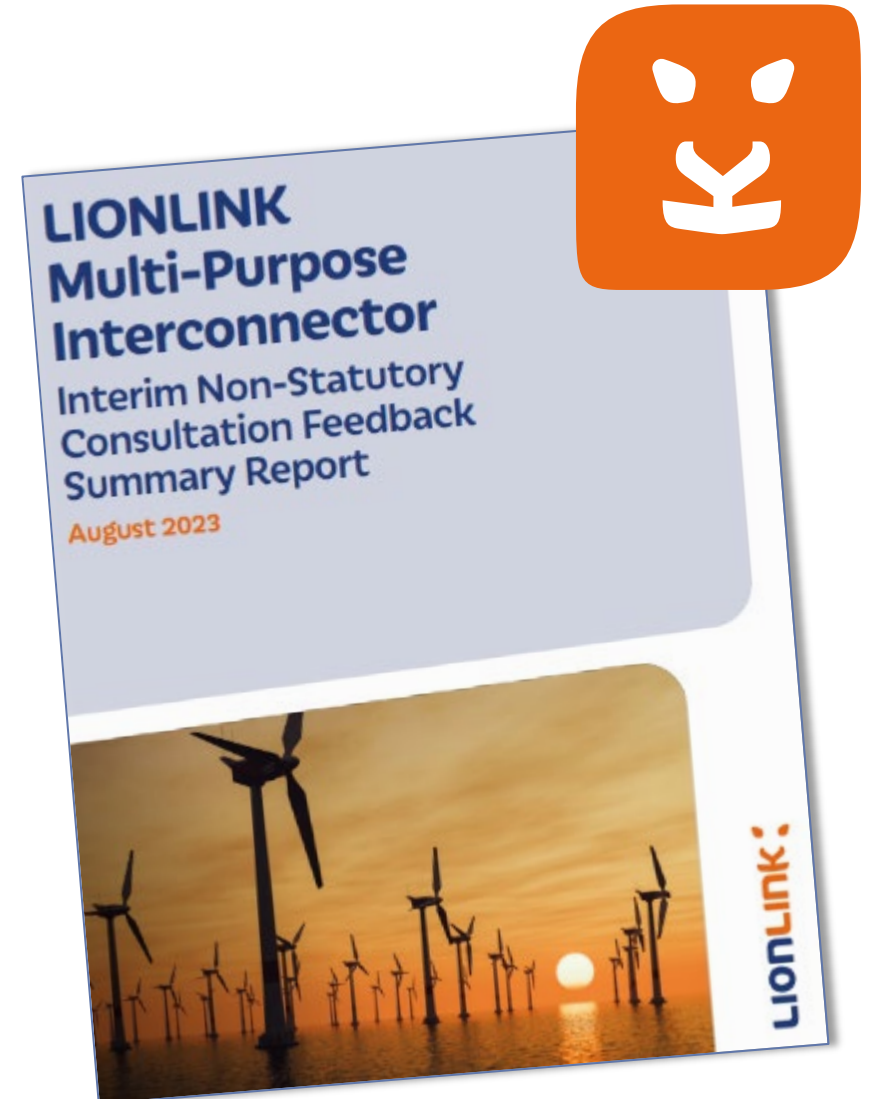
5 landfall options



2022 non-statutory consultation

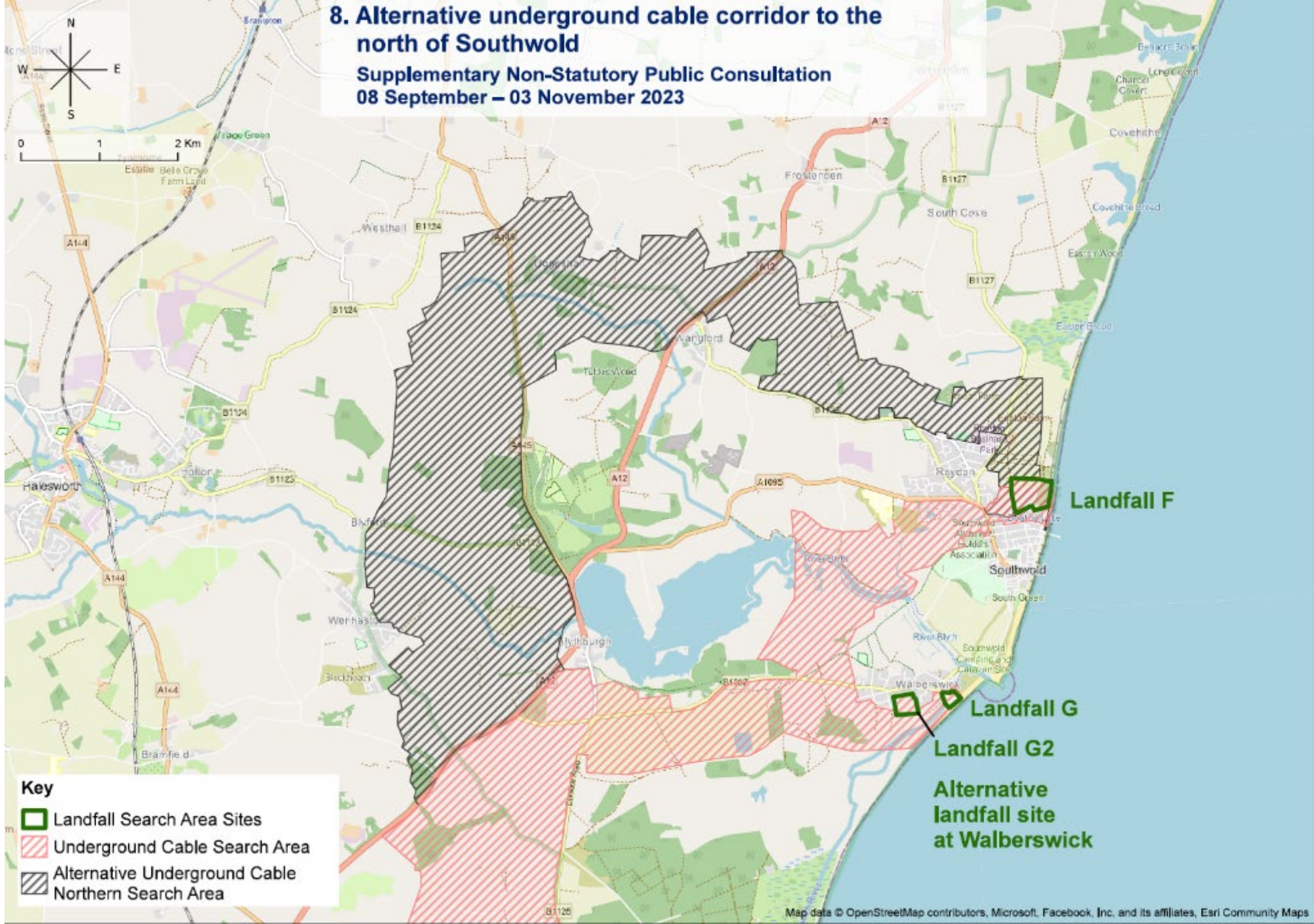
# Interim Non-Statutory Consultation Report

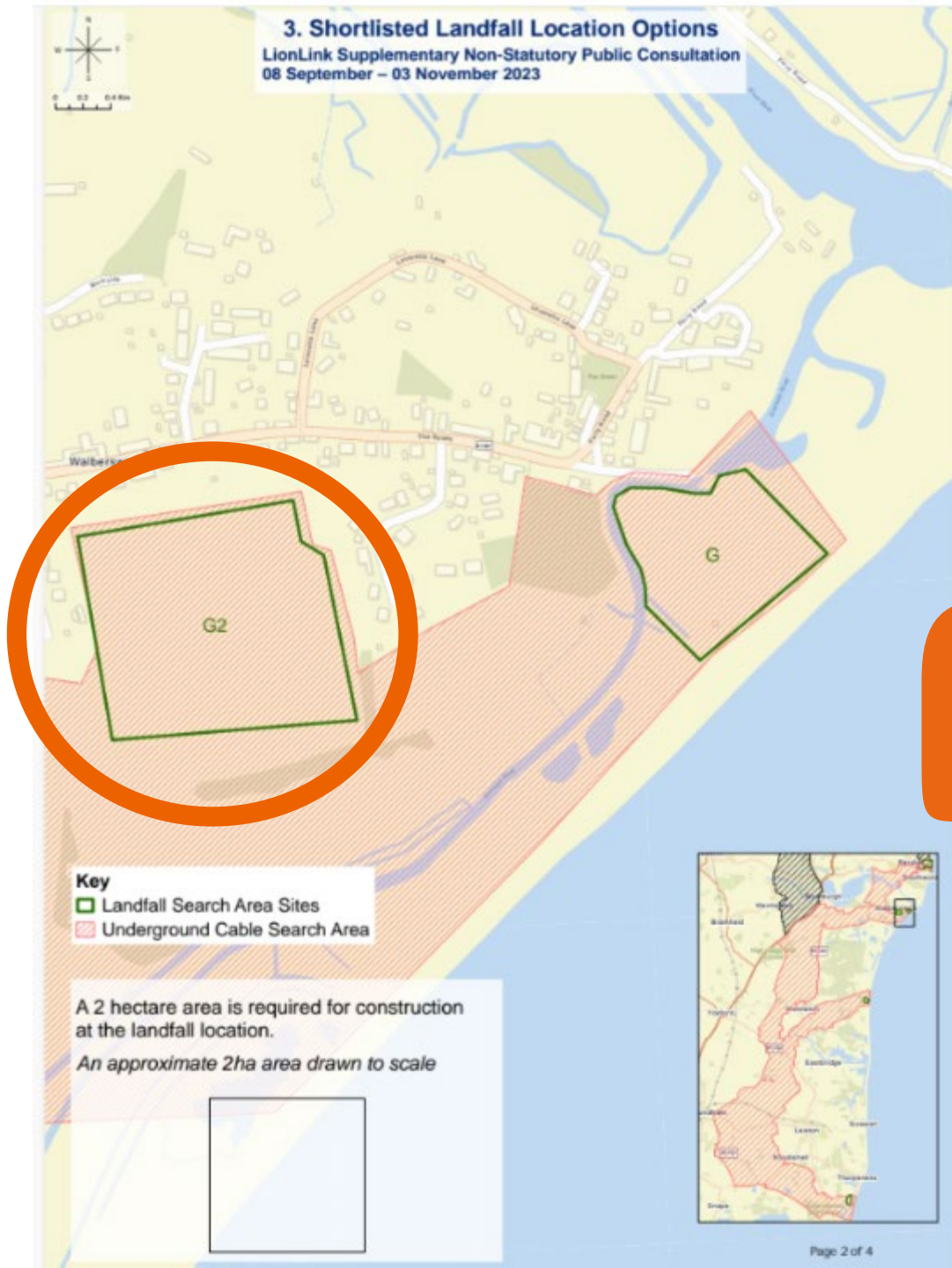
- Published Interim Report provides an overview of the feedback received and explains how this is being used to refine our project.
- The feedback has helped us identify some recurring themes about what the public want from this project:
  - **Preference for coordinated infrastructure options**
  - **Avoiding protected areas**
  - **Cumulative impact on local communities**
- A copy of the report is available on our dedicated project website: [nationalgrid.com/lionlink](https://nationalgrid.com/lionlink).
- Based on the feedback received at the non-statutory consultation, we have carried out additional environmental and technical assessments as part of the options refinement process.



# 8. Alternative underground cable corridor to the north of Southwold

Supplementary Non-Statutory Public Consultation  
08 September – 03 November 2023





# Exploring opportunities for coordination

We are working closely with other developers in the area to explore opportunities to coordinate activities and minimise impact on local communities and the environment.

## What could coordination look like?

Coordination could range from co-location of infrastructure from different projects on the same site, to coordinating construction activities to reduce potential impacts on local communities and the environment.

## Exploring opportunities for co-location

NGV and NGET are working collaboratively to explore opportunities to co-locate onshore infrastructure for the LionLink, Nautilus and Sea Link projects, including:

- Up to three converter stations on one site
- Shared underground cable route corridors
- Shared landfall

## Nautilus

NGV is continuing to explore a possible alternative location for Nautilus – until this is confirmed to be viable, Nautilus will be included as part of our coordination work.

*Have your say*

# Supplementary Non-Statutory Consultation

## We held three in-person events:

### Reydon

Friday 22 September 2023

14:00 – 20:00

Reydon Village Hall, Reydon,  
Southwold IP18 6RF

### Leiston

Friday 6 October 2023

14:00 – 20:00

Leiston Community Centre,  
Sizewell Rd, Leiston IP16 4JU

### Walberswick

Saturday 23 September 2023

10:00 – 16:00

Walberswick Village Hall, The  
St, Walberswick, Southwold  
IP17 6TZ

## We have two webinar events coming up:

### Webinar 1

Tuesday 17 October 2023

19:00 – 20:30

### Webinar 2

Wednesday 18 October  
2023

19:00 – 20:30

# Construction

- A construction and environmental management plan will be developed.
- Construction of the landfall site – is anticipated to take at least 12 months (dependent on the landfall site chosen) and will be phased, with boring taking place first, followed by installation of the cable and then the reinstatement works.
- Construction of the cable corridor – is anticipated to take up to 4 years, subject to the conditions. Work will be completed on a section-by-section basis.
- Construction of the converter station – is anticipated to take at least 3 years.
- Key considerations for timing of works will include - but not limited to - breeding season, wintering bird season, tourism patterns etc.
- Potential requirement for temporary construction haul road(s) will be dependent on the landfall site selected, associated access restrictions and consideration of environmental impacts.

# Construction and restoration works

The following images show the construction and restoration works associated with the Viking Link interconnector project, due for completion in 2023. The images intend to provide an indicative perspective on what the construction and restoration works for LionLink could involve. The LionLink construction and restoration works will however ultimately be informed by the final scheme design and contractor's approach.



Agricultural land along cable working area post-construction (above highway) and post-reinstatement (below highway) with crops to be seeded by the landowner during the next planting season.



Agricultural land along cable working area reinstated with crops to be seeded by the landowner during the next planting season.



# Construction and restoration works

The following images show the construction and restoration works associated with the Viking Link interconnector project, due for completion in 2023. The images intend to provide an indicative perspective on what the construction and restoration works for LionLink could involve. The LionLink construction and restoration works will however ultimately be informed by the final scheme design and contractor's approach.



Agricultural land along cable working area post - construction (below highway) and post-reinstatement (above highway) with crops to be seeded by the landowner during the next planting season.

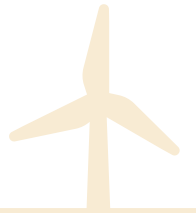


Temporary construction site required for the landfall horizontal directional drilling (HDD).

Looking forward

# Project timeline

We're here



<b>Section 35 Direction</b> <i>Received Aug 2022</i>	<b>Non- statutory consultation</b> <i>Oct - Dec 2022</i>	<b>Supplementary non-statutory consultation</b> <i>Autumn 2023</i>	<b>EIA Scoping Report submission</b> <i>2024</i>	<b>Statutory consultation</b> <i>2025</i>	<b>DCO application submission</b> <i>2025</i>	<b>DCO decision</b> <i>2026</i>	<b>Final investment decision</b> <i>2027</i>	<b>Operational</b> <i>2030</i>
---	---	---	---	--	--	------------------------------------	---	-----------------------------------

*Have your say*

# Getting in touch

Freephone information line:

**0800 083 1787**

Email us:

**[info@LionLink.nationalgrid.com](mailto:info@LionLink.nationalgrid.com)**

Write us:

**Freepost NGV LionLink Consultation,  
Holborn Gate, Floor 8, 26 Southampton  
Buildings, LONDON, WC2A 1AN**



**[nationalgrid.com/LionLink](https://nationalgrid.com/LionLink)**

Thank you for your time

**LIONLINK** : 

「 A vital step towards an  
integrated North Sea grid 」

Questions?