Eastern Green Link 2

Welcome to the EGL2 marine route project newsletter

Eastern Green Link 2 (known as EGL2) is one of the most significant strategic energy infrastructure developments the UK has seen in recent years, connecting the north of Scotland to Yorkshire via subsea cables.

EGL2 will scale up the UK's capacity to transport home produced clean energy, predominantly from offshore wind, from where it is generated to where it is needed. By doing so it will increase the security, resilience, and stability of the UK's transmission network, and will be capable of transporting enough electricity to power two million homes.

A key part of EGL2 is the installation of a 436 km high voltage direct current (HVDC) cable from a landfall point in Scotland (Sandford Bay near Peterhead, Aberdeenshire) to a landfall point in England (Fraisthorpe Sands, East Riding of Yorkshire).

Ahead of this installation we are undertaking a variety of surveys that will help us to gather data about ground conditions, potential obstacles, seabed conditions and any ecologically sensitive areas.

Communities and stakeholders will be kept informed about any potential disruption caused from the works, however we are working to ensure that these are kept to a minimum. More information on EGL2, the current surveys and future activity along the marine route can be found in this newsletter.

What is EGL2?

EGL2 is a 505 km electricity superhighway which will enable the transfer of power from Scotland to England (and vice versa) via a subsea cable. This two-gigawatt HVDC cable will connect Peterhead in Aberdeenshire and Drax in North Yorkshire.

EGL2 is being delivered as a joint venture between SSEN Transmission and National Grid Electricity Transmission (NGET). NGET owns and manages the electricity transmission network in England and Wales, and SSEN Transmission does the same for the north of Scotland. The two connection points of EGL2 fall within these operating areas.

HVAC = High Voltage Alternating Current
HVDC = High Voltage Direct Current

1. Existing network
2. Substation
3. Converter station
4. Underground cable
5. Submarine cable

Our marine cable contractors

Prysmian is responsible for the cable system design, manufacturing, and installation of the 436 km subsea cable. **HDI** are supporting Prysmian with the geophysical and geotechnical surveys and future works.

Helix is the contractor leading the potential Unexploded Ordnance nearshore and offshore surveys for EGL2.

Upcoming surveys

A number of surveys will be undertaken close to the shore around Bridlington and Fraisthorpe to gather data about potential obstacles, seabed conditions, and any ecologically sensitive areas. The information gathered will help to finalise the route for the offshore cable.

Geophysical surveys **June 2025**

Potential Unexploded Ordnance Target Investigations (Divers) **June - July 2025**

Geotechnical surveys **July - August 2025**

Potential Unexploded Ordnance Target Investigations (ROVs) **August - October 2025**

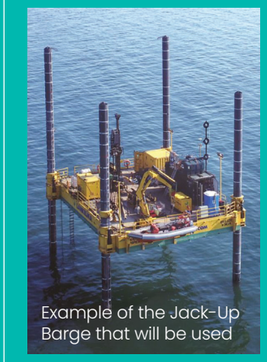
Geophysical surveys

In June 2025, we undertook surveys to gather information about the subsurface and seabed conditions. During this time, two vessels performed repeated sweeps of Bridlington Bay while towing sensors just above the seabed.

The data gathered will feed into the design and construction of the landfall site for the marine cable.


One of the vessels conducting the geophysical surveys

Geotechnical surveys


Example of the Jack-Up Barge that will be used

Beginning in mid-July, a Jack-Up Barge will be installed off Fraisthorpe Beach to take various core samples of the seabed and subsurface. The geotechnical surveys will provide information about the physical condition of the seabed. This data will feed into the design and construction of the landfall site for the marine cable.

Throughout this time, a crew transfer vessel will transport workers to and from the barge every 12 hours. The crew will operate the barge 24 hours a day for the duration of the surveys. Lighting will be used at night, and some noise may be audible within the vicinity, however there will not be any disruption to beach users during this time.

Potential Unexploded Ordnance Target Investigations

For approximately one month between late-June and late-July, we are carrying out potential Unexploded Ordnance Target Investigations near to shore using divers. A barge will be used to dive from, with a crew transfer vessel transporting workers to and from the location. The barge will be left in place for the duration of the works.

Following this, from August to October, we will continue the Target Investigations offshore, but in deeper water, and so will use remote operated vehicles (ROVs).

The ROVs will enable us to safely carry out our investigations and remove any debris where necessary.


ROVs will be used to identify unexploded ordnance

Please be aware that these dates may be subject to change due to weather conditions and other factors.

Project timeline

Scottish onshore works

July 2024
Planning permission received from Aberdeenshire Council for the Peterhead Converter Station

September 2024
Start of construction and completion of 132kV enabling works at Peterhead Converter Station site

2025 – 2026
Surveys and design works for horizontal directional drilling at Sandford Bay

2027
Underground cable enabling works between Peterhead Converter Station and Sandford Bay

2028
Installation of underground cable and completion of construction at Peterhead Converter Station

2029
EGL2 is energised

English onshore works

August 2024
Planning permission received from North Yorkshire Council for Wren Hall Converter Station

September 2024
Start of construction of Wren Hall Converter Station

October 2024 – 2025
Intrusive surveys to take place across the underground cable route

2025 - 2026
Site works for the installation of underground cable begin alongside survey and design works for horizontal directional drilling at Fraisthorpe Sands

2027
Installation of 68km of underground cable begins between Wren Hall Converter Station and Fraisthorpe Sands

2029
Wren Hall Converter Station main construction works completed

2029
EGL2 is energised

Marine works

2024
Offshore marine surveys commence

2027
Subsea cable route preparation begins

2028
436 km of subsea cable is installed

2029
EGL2 is energised

For further information regarding the construction of the marine route, and the wider activity in your area, please visit the project website at **www.easterngreenlink2.co.uk/marine**

Keep in touch

If you have any questions about the EGL2 project please get in touch using the contact details below:

contact@easterngreenlink2.co.uk

0808 196 8407

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For further information on the EGL2 project and to read FAQ's, please visit our website:

www.easterngreenlink2.co.uk

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