EGL1

EASTERN GREEN LINK

Eastern Green Link 1

From Torness, East Lothian to Hawthorn Pit, County Durham

Welcome to the EGL1 marine route project newsletter

EGL1 is a two-gigawatt high voltage direct current electrical connection to be built between Torness in East Lothian, Scotland and Hawthorn Pit in County Durham.

The multi-billion-pound project is being developed through a joint venture between Scottish Power Energy Networks and National Grid Electricity Transmission. EGL1 is designed to unlock Scotland's renewable energy reserves by scaling up the UK's capacity to transport clean energy from where it is generated to where it is needed.

Enabling works for EGL1 started in March 2025, and we aim to be fully operational by 2029. Connection works started in England in 2024.

A key part of EGL1 is the installation of a 176 km high voltage direct current (HVDC) cable from a landfall point in Scotland (Thorntonloch Beach), to a landfall point in England (Seaham Hall Beach).

Ahead of this installation we are undertaking a variety of surveys that will help us to gather data about 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 EGL1, the current surveys, and future activity along the marine route can be found in this newsletter.

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What is EGL1?

EGL1 is a 196 km long high voltage direct current (HVDC) link. A HVDC link functions like a superhighway for electricity, allowing large amounts of power to be transmitted over long distances before being fed into the electrical grid.

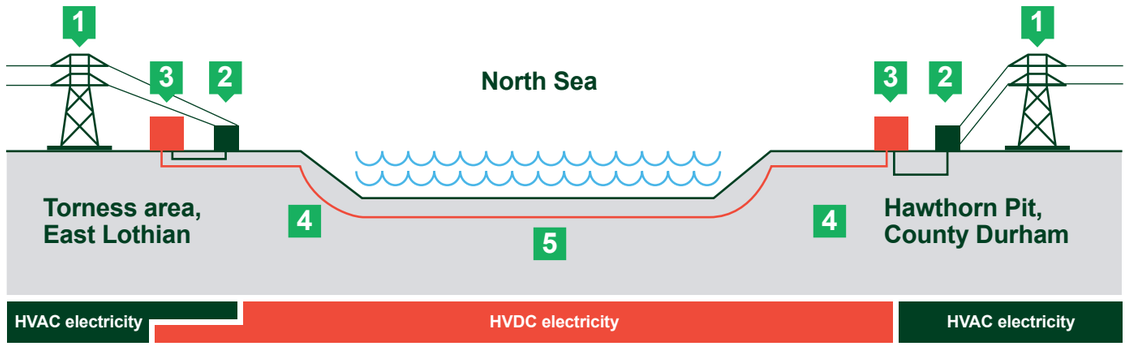
Pre-construction works started in Spring 2025. Full works are set to begin shortly, following full approval from local planning authorities. EGL1 is expected to be operational by 2029.

EGL1 will strengthen the electricity network between Scotland and England, allowing the increasing amounts of this home-produced renewable electricity to reach the consumers that need it. Once complete, EGL1 will deliver enough electricity for two million homes.

Our marine cable contractor

Prysmian

Prysmian is responsible for the cable system design, manufacturing, and installation of the 176 km subsea cable, as well as the 20 km onshore underground cable in England and Scotland.



Overview of EGL1

Previous marine activity

One of the vessels conducting the geophysical surveys

Offshore surveys

Over the last two years, we have undertaken surveys to gather data about potential obstacles & seabed conditions. During this time, multiple vessels have completed various surveys along the route towing sensors above the seabed or taking samples.

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

Upcoming surveys

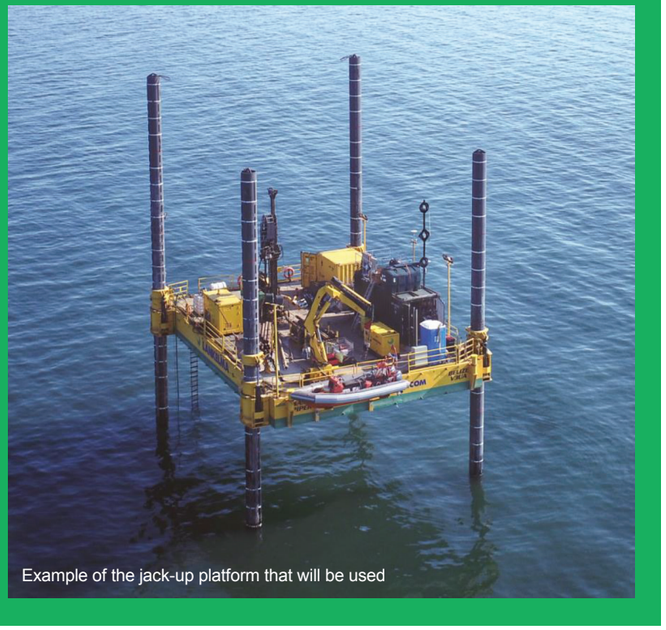
A Geotechnical survey will be undertaken close to the shore around Seaham Hall Beach to gather data about seabed conditions. The data gathered will help to finalise the design of the landfall installation.

Beginning in July, a jack-up platform will be sited off Seaham Hall Beach to take core samples of the seabed.

Throughout this time, a crew transfer vessel will transport workers to and from the platform. The crew will operate the platform 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.

Installation of the cable will not occur at this time, but we will be in touch with residents in the future in order to give notice of upcoming works.



Example of the jack-up platform that will be used

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Project high level timeline

Scottish onshore works

2023
SP Energy Networks received in principle planning permission by East Lothian Council for the Scottish onshore elements of the project

2024 – early 2025
Enabling works, including land, geophysical and archaeological surveys

2025 – 2028
Underground cable installation convoon Torness converter station and Thorntonlock Beach

2025 – 2028
Torness Converter Station construction and installation

2028
Completion of Torness Converter Station, and cable installation - system testing to begin

2029
EGL1 is energised

English onshore works

2022
Planning consent granted outline planning permission by Durham County Council for the English onshore elements of the project

2024 – early 2025
Enabling works, including land, geophysical and archaeological surveys

2025 – 2028
Murton Converter Station construction and installation

2026 – 2028
Underground cable installation between Murton Converter Station and Seaham Hall beach

2028
Completion of Murton Converter Station and cable installation - system testing to begin

2029
EGL1 is energised

Marine works

2023
Marine licences for the 176 km of subsea cables have been granted by the Marine Management Organisation and Marine Scotland

2024 – 2025
Survey across the marine route

2027 – 2028
Installation of 176 km of subsea cables

2029
EGL1 is energised

For further information regarding the construction of the marine route, the vessels involved in the surveys, and the wider activity in your area, please visit the project website at:
www.easterngreenlink1.co.uk/works-in-your-area/marine-works

Keep in touch

If you have any questions about the EGL1 project, please get in touch using the contact details below:

contact@easterngreenlink1.co.uk

0808 196 8405 - our phoneline is open between 9am and 5pm on weekdays

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For further information on the EGL1 project please visit our website:

www.easterngreenlink1.co.uk