

Contractor appointed

The engineering, procurement and construction (EPC) contract to build Greenlink has been awarded to a consortium comprised of Siemens Energy AG (Siemens Energy) and Sumitomo Electric Industries Ltd (Sumitomo Electric).

The contract will cover works on the onshore and subsea high-voltage direct current (HVDC) cable systems, two converter stations, a tail station at Great Island in Wexford and onshore cable works in Wexford and Pembrokeshire, Wales. The award also includes a service and maintenance contract for operations and maintenance following commissioning of the project, which is expected to be in 2024.

The most up-to-date news regarding the rollout of onshore cable laying and other construction works will be available on our website and through representatives of the EPC contractors and Greenlink. Please see contact details opposite if you have any questions, comments or issues you would like to raise during the construction phase.



How a typical converter station looks

About Greenlink

Greenlink is owned exclusively by leading global private markets investment management firm, Partners Group which has more than \$119billion (USD) in assets under management with 20 offices worldwide.

Partners Group is headquartered in Switzerland with investment programmes under management in private equity, private real estate, private infrastructure and private debt. The firm employs over 1,500 people and is listed on the SIX Swiss Exchange with a major ownership by its partners and employees. Partners Group has invested in over 140 direct infrastructure assets across the globe in different sectors.



A selection of the attendance at a recent supply chain event exploring opportunities for local businesses

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Leave a comment through our website:
www.greenlink.ie/contact-us

More information about the project:
www.greenlink.ie

Community NEWSLETTER

JANUARY 2022 - WALES



Greenlink CEO James O'Reilly addresses attendees at a recent event exploring supply chain opportunities for local businesses

Rollout of interconnector commences

Construction is set to begin on the Greenlink interconnector in the weeks ahead - our 190km subsea and underground cable linking the electricity grids in Ireland and the UK. This project, which is the first privately funded interconnector in Europe has a nominal capacity of 500 megawatts (MW), equivalent to powering an average of 380,000 homes. It will provide a new grid connection between the existing National Grid substation at Pembroke and the Great Island substation in County Wexford, Ireland, allowing power to flow in either direction depending on supply and demand in each country.

It will take almost three years to build the project with the potential to support around **250 jobs in Wales during construction**. Last November we held a 'meet-the-buyer' event in Pembroke where suppliers, contractors and other local businesses interested in working on the project could discuss opportunities with the main contractors. It's still not too late for expressions of interest to be sent to procurement@greenlink.ie

The contractors will provide a detailed outline of the works programme in due course. Residents and businesses will be notified ahead of construction taking place in their area. All work will be undertaken in the least disruptive fashion possible at all times.

New CEO appointed

Greenlink has made a number of new additions to its team in the last year to reflect the upsurge in activity as final preparations are made ahead of beginning construction of the interconnector.

In August, James O'Reilly was appointed Chief Executive Officer. Previously, he held the position of Chief Operating Officer for international renewable energy developer, Phelan Energy Group as well as having led major engineering and communication network firms in both Ireland and the USA.



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250 JOBS

Around 250 jobs supported in Wales during construction

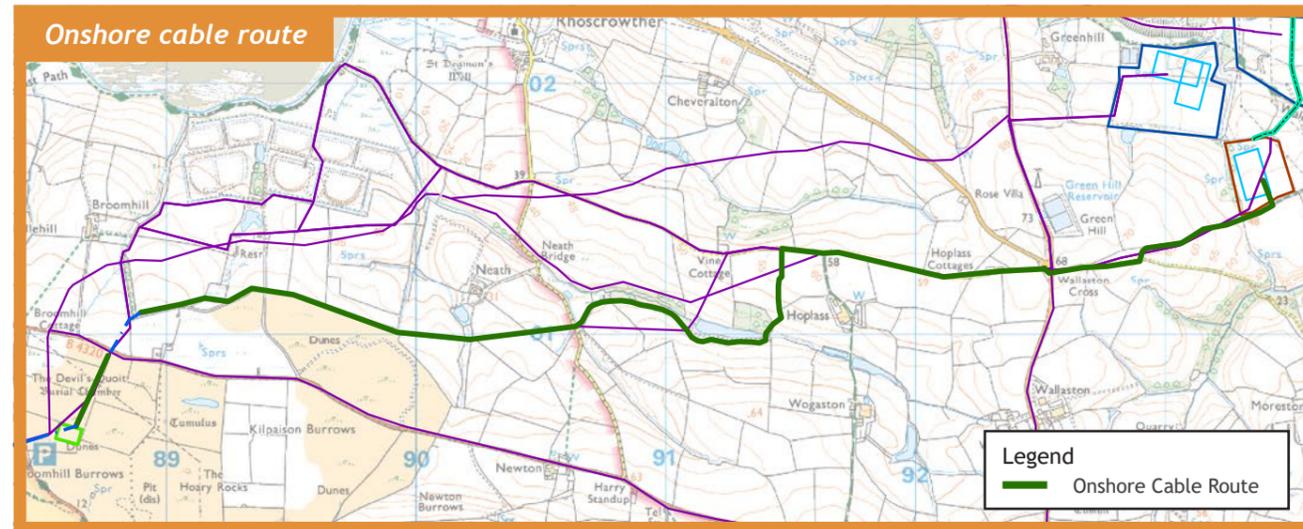
To register your business interest, contact procurement@greenlink.ie

New infrastructure

The onshore cable route is approximately 7km and the cables will be buried underground, with a relatively small footprint. Suitable traffic management plans will be put in place in consultation with Pembrokeshire County Council in order to safely undertake the works and minimise disruption to road users.

Greenlink will use high voltage direct current voltage source converter (HVDC VSC) technology to link the Irish and UK power systems. HVDC has been selected over an AC connection because AC is technically difficult over this distance. VSC technology's principal benefit is that it reduces the size of the converters when compared to similar technologies.

Two converter stations will also be developed on either side of the Irish Sea. In Wales, the site is near the Pembroke substation and the station will convert electricity from DC to AC and vice versa.



Local Benefit

The bulk of the economic benefit of Greenlink locally will come from capturing the local supply chain benefits during the construction of the project, which is expected to lead to significant expenditure. Work at the Welsh landfall, cable and converter station site will require skills and experience available from contractors found in the local area. This will also lead to knock-on economic benefits in the area for shops, B&B providers and so on. We have been working closely with Business Wales and Welsh Government to try to maximise the use of local businesses and personnel.



Helping mitigate climate change

The UK government has committed to achieving net zero carbon emissions by 2050 and net zero emissions from electricity (for example through more renewable energy generation) by 2035. Interconnection has a crucial role to play in realising these goals as world leaders intensify their call for positive action on climate change.

As we move away from traditional finite energy sources to green renewable power, the availability of infrastructure that allows power to flow between different jurisdictions and national transmission networks is paramount. Since interconnectors allow electricity to flow from where it is generated to where it is needed, they are a key part of the solution.

Greenlink supports the integration of green, low carbon energy sources in an affordable manner while simultaneously improving the security and reliability of our power supply. Of particular importance is the ability to maximise the integration of green energy generated in the UK and Ireland by exporting surplus between the two countries



Project benefits

In addition to placing downward pressure on wholesale energy prices and reducing curtailment, Greenlink will also provide security of supply at a time of increased concern around grid outages and potential electricity blackouts.

The project is considered of critical importance in Europe and was awarded "Project of Common Interest" status by the European Commission. It is the first privately owned interconnector in Europe to operate under the cap and floor pricing model which guarantees a minimum level of support while protecting consumers from excessive energy costs.



380,000
Potential to power 380,000 homes*



Investment
€500m/£420m of private capital investment for Ireland and Wales



Energy
Supports the growth and integration of low carbon energy



Security
Enhances the security of supply for electricity consumers



Value for Money
Downward pressure on electricity bills



Jobs
Jobs and knock-on economic benefits during construction

*Based on typical annual Irish household use of 4,200 kWh and estimated flows of power from UK to SEM, and is an average figure.

CONSTRUCTION TIMELINE



All dates are approximate at this stage. Our construction schedule will be regularly updated and made available on our website as well as in future communications, including the next edition of our project newsletter in the summer.

