
Press Release

EASTERN GREEN LINK 2 SETS THE STANDARD FOR RECYCLED COPPER IN HIGH VOLTAGE CABLES

Prysmian, together with La Farga Yourcoppersolutions, is setting a new benchmark for sustainability, with the use of La Farga Genius 100% recycled copper in a high voltage subsea cable project. The Eastern Green Link 2 (EGL2) project is the UK's biggest electricity transmission project in construction – transporting enough electricity to power two million homes between Peterhead in the northeast of Scotland and Drax in North Yorkshire, England, through a 505km, 2GW power superhighway. EGL2 is a joint venture project being delivered by National Grid Electricity Transmission and SSEN Transmission.

An industry-first use of 100% recycled copper

Prysmian, who is responsible for the manufacturing and the installation of the cables for the EGL2 project, is breaking new ground by delivering the most sustainable solution for the cable conductor, through the use of La Farga Genius 100% recycled copper. Due to the high demand for electricity infrastructure projects, as the world electrifies to deliver on climate action, copper is currently one of the most critical materials across the globe. Given the scale of its recent projects, Prysmian is now the single biggest purchaser of copper in the world.

Aligned with the EGL2 project's sustainability goals, and in acting responsibly with the in-demand material, using recycled copper is essential. As a result, the project will set the standard as the first high voltage direct current (HVDC) cable that will use 100% recycled copper supported by an Environmental Product Declaration (EPD) provided by La Farga, ensuring full traceability of the recycled material in EGL2 cables. EPD guarantees that the 10,000 tons of recycled copper are entirely contained within the rod supplied to Prysmian, unlike a mass balance approach, where it cannot be certified. Purchasing the recycled copper has been enabled by the Sustainability Innovation Fund (SIF), awarded to the EGL2 project by Ofgem.

What measurable environmental benefits does recycled copper deliver?

Prysmian will use approximately 10,000 tonnes of La Farga's GENIUS recycled copper, with the project expecting to avoid nearly 56,675 ton of CO₂eq emissions compared to the use of conventional primary copper. This is equivalent to taking roughly 39,900 average UK cars off the road for a year, or the annual emissions of 17,700 homes in the East Riding of Yorkshire. The approach is estimated to deliver a 13% reduction in the overall carbon footprint of Prysmian's scope of activities within the project, making a tangible contribution to emissions reduction in large-scale energy infrastructure.

This is a practical example of how EGL2 and partners are reducing the environmental impact of delivering critical grid infrastructure, while maintaining the quality and reliability needed for nationally significant projects like EGL2. As Prysmian's copper rod supplier, La Farga has been instrumental in enabling this industry-first milestone, helping Prysmian meet the highest environmental standards across the entire value chain.

Notes to editor:

Prysmian is the leading provider of solutions for energy and digital connections, delivering major electrical transmission projects on land and at sea, modernising power grids, and unlocking renewable energy, electrification, and digital connectivity worldwide. The company combines engineering excellence with sustainability-driven innovation, enabled by its 34,000 employees, 109 production facilities and 30 R&D centres in over 50 countries. Prysmian is a public company, listed on the Italian stock exchange and recorded 2025 revenues of approximately €20 billion.

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La Farga is a family-owned industrial company founded in 1808 and specialized in the manufacturing and commercialization of copper semis and copper alloy products. An international benchmark in copper recycling technologies and processes, the company develops solutions for energy, mobility, infrastructure, telecommunications and industrial sectors. With the purpose of maximizing the use of recycled copper and developing the technologies that make it possible, La Farga promotes an industrial model based on innovation, the circular economy and sustainability, contributing to a more efficient, competitive and responsible industry.

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National Grid sits at the heart of Britain's energy system. The individual companies in our group run the networks and infrastructure that connect millions of people to the electricity they use every day. Our UK led businesses include: National Grid's Strategic Infrastructure, delivering major onshore and offshore transmission projects; Electricity Transmission, managing the high-voltage network in England and Wales; Electricity Distribution, powering 20 million homes and businesses across the Midlands, South West and South Wales; and National Grid Ventures, which operates separately from National Grid's core regulated operations, developing, running, and investing in subsea electricity interconnectors and large-scale energy infrastructure projects across the UK and US. National Grid is listed on the London Stock Exchange.

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SSEN Transmission Headquartered in Perth, with offices in Aberdeen, Inverness and Glasgow, we own, operate and invest in the high-voltage electricity transmission network across the north of Scotland. Our network consists of underground and subsea cables, overhead lines on wooden poles or steel towers, and electricity substations and converter stations. It extends over a quarter of the UK's land mass, crossing some of its most challenging terrain. Our first priority is to provide a safe and reliable supply of electricity to our communities. We do this by taking electricity from generators and transporting it over long distances through our network for onwards distribution to homes and businesses in villages, towns and cities across Great Britain. We are also helping to deliver Scotland and the UK's energy security and clean power targets by investing in new and upgraded electricity transmission network infrastructure. This is required to connect and transport more renewable energy to the grid, supporting the transition to a low carbon economy.

SSEN Transmission is owned 75% by SSE plc and 25% by Ontario Teachers' Pension Plan Board (Ontario Teachers').

Learn more about the business by visiting www.ssen-transmission.co.uk or by following us on LinkedIn

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