

Zeroing In: The Path to a Greener Future

NET ZERO BY 2045



Global: Carbon Credits

Carbon credit retirements hit all-time high, quality drives market evolution

Carbon credit retirements have hit a record high with 95 million credits being retired in H1 2025.

Higher-quality credits dominate with a majority (57%) of Sylvera-rated credits retired in H1 2025 holding BB ratings or above, demonstrating the impact of enhanced standards and a greater focus on integrity.

Issuances of credits jumped to 77 million in Q2 2025, up 39% from the prior quarter.

Over a third (37%) of credits issued this quarter are potentially eligible towards Phase 1 of CORSIA, subject to host country authorizations under Article 6 of the Paris Agreement.

[Q2 2025 Carbon Data Snapshot](#)

UK: Energy bill

High energy bills threaten UK industry's global competitiveness

The survey revealed that 76% of Brits would support the renewable energy industry using more UK-made components. Interestingly, this received cross-party favour, with support across the Conservative, Green, Labour and Reform parties polling similarly at over 80%.

Expanding training and job opportunities in green industries – such as the offshore wind sector – and greater investment in UK manufacturing of wind turbines, were two policies also popular with the public, with 81% and 70% of people indicating their support respectively.

This suggests that the huge potential of Britain's green economy, which grew 10% last year and supports nearly 1 million jobs, has cut through with the public – not wholly surprising given the state of the economy is a top concern for people in the UK. However recent moves to fracture the political consensus on the climate do not reflect the public mood.

[High energy bills threaten UK industry's global competitiveness - FIBI](#)

Scotland: Heat Pump

Renfrewshire to deliver Scotland's largest heat pump system

Renfrewshire Council is to replace the gas supply in two of its council housing high-rise blocks with a networked ground source heat pump solution, which will be the largest installation of its kind in Scotland.

Residents at the two multi-storey blocks in Gallowhill, Paisley will see their gas supply replaced with the renewable heating system, installed by contractor Kensa, which collects heat from underground pipes and transfers it to homes using an individual shoebox ground source heat pump providing reliable and efficient heating and hot water all year round.

[Renfrewshire to deliver Scotland's largest heat pump system - FIBI](#)

Funding and opportunities for Net Zero

Business Connect opportunities

[Opportunities - Innovate UK Business Connect](#)

Net Zero business support services in Scotland

[Browse Services - Find Business Support - Filtering by Topic Net Zero and by Support Type Funding](#)

Smart Shipping Programme

[Smart Shipping Programme](#)

Legislations, Regulations and Standards

EU Commission Introduces Voluntary Sustainability Reporting Standard for SMEs. The voluntary standard for SMEs (VSME) was developed by EFRAG, the Commission's technical advisor on sustainability reporting. It is designed for SMEs that fall outside the scope of the Corporate Sustainability Reporting Directive (CSRD) but face increasing sustainability data requests from their larger business partners.

[EU Commission Introduces Voluntary Sustainability Reporting Standard for SMEs - ESG News](#)

SBTi - In April 2025, the SBTi paused the development of an Oil and Gas Standard to focus on the development of the Corporate Net-Zero Standard and Financial Institutions' Net-Zero Standard. Category 1: companies with any level of direct involvement in exploration, extraction, mining and/or production of oil, natural gas, coal or other fossil fuels, irrespective of percentage revenue generated by these activities, i.e. including, but not limited to, integrated oil and gas companies, integrated gas companies, exploration and production pure players, refining and marketing pure players, oil products distributors, gas distributors and retailers and traditional oil and gas service companies. The SBTi will no longer accept commitments and/or validate targets for companies that fit category 1.

[Oil and Gas - Science Based Targets Initiative](#)

SBTi - The Science Based Targets initiative has released its Financial Institutions Net Zero (FINZ) Standard—an important framework that could redefine climate accountability in finance.

Beyond requiring financial institutions to set long-term targets across all their activities, the FINZ Standard also introduces rigorous policies such as the immediate end to new fossil fuel project financing and a no-deforestation policy by 2030.

[SBTi's New Financial Institutions Net Zero Standard](#)

Innovations



Anjali Devadasan has created wind turbines to stand beside railways; **generating electricity from speeding trains** to provide sustainable power for stations and work sites.

Clean Futures helped the company to enter the railway market and develop a bespoke solution that solves a big problem of operators working in remote areas needing power.

[Meet the innovator harnessing wind power from passing trains - Connected Places Catapult](#)



The University of Strathclyde has officially launched the **Advanced Net Zero Innovation Centre (ANZIC)**, a new national facility supporting the UK's transition to a net zero economy through innovation, collaboration, and advanced manufacturing.

Based at Rolls-Royce's Inchinnan site in Renfrewshire, ANZIC offers open-access, industrial-scale research, testing, and development capabilities to advance clean energy, sustainable transport, and next-generation digital technologies.

[Study shows making hydrogen with soda cans and seawater is scalable and sustainable | MIT News | Massachusetts Institute of Technology](#)



A project using large-scale additive manufacturing to produce shipbuilding components has completed its second phase, with results showing strong potential to reduce greenhouse gas emissions, secure supply chains and deliver significant economic benefits for the maritime sector.

Led by Glasgow-based Malin Marine Consultants (MMC), part of Malin Group, with support from the Marine Vessel Lightweighting (MariLight) 2.0 it builds on an initial feasibility study aimed at shifting the sector away from traditional manual fabrication towards automated, flexible, and environmentally friendly manufacturing approaches.

[Glasgow-led Project Delivers Lighter, Greener Shipbuilding Components | Glasgow City Of Science & Innovation](#)