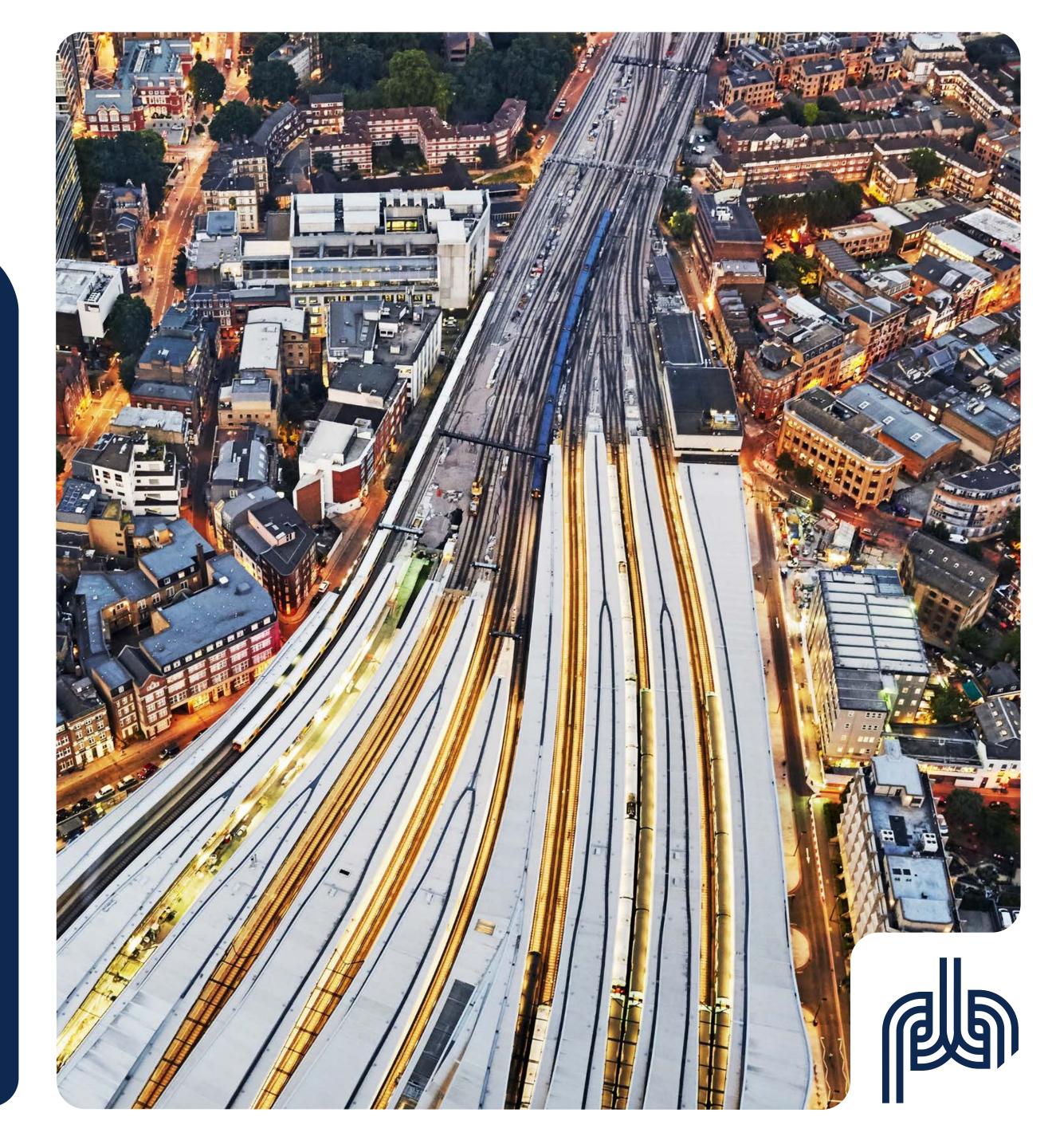
Porterbrook Sustainability Report 2024

porterbrook.co.uk



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A message from Mary Grant, CEO



Welcome to Porterbrook's 2024 sustainability report

With Britain's railway preparing for some of the biggest structural changes in a generation, I am pleased that the government recognises the role a high-quality rail network can play in decarbonising transport, whilst maximising socio-economic benefits.

This starts with replacing 2,500 life-expired trains in the next five years, many of which are diesel-powered. We stand ready to provide the private capital required to introduce new passenger and freight trains, building on the £3.5bn we've invested since 1994. Our £75m enhancements to the Long Marston Rail Innovation Centre will help support the testing and introduction of new, low-carbon alternatives into service.

Alongside new trains, a sustainable railway should make the most of existing assets. In 2024, we were proud to acquire and return 30 mid-life Class 379 trains to service, preventing them from being prematurely scrapped and saving c.32,700 tonnes in embodied CO₂e.

Developing a skilled, diverse and engaged team continues to be a core focus. As the recently appointed Chair of the National Skills Academy for Rail, I know the importance of inspiring and embracing the next generation of talent the industry needs for the future. I am pleased that Porterbrook continued to play its part this year, including our £2.5m sponsorship of the National Railway Museum's Futures Gallery and as a founding partner of the upcoming Railway 200 celebrations.

As the business grows, we stand by our commitment to minimise environmental impacts. This includes cutting Scope 1 and 2 emissions by 46% before 2030 and achieving net zero by 2050.

We were proud to have been named Global Sector Leader for the last four years in the annual GRESB ESG assessment. Building on this achievement, and our £57m investment in low-carbon innovations over the last five years, we are resolute in our commitment to embedding the highest standards of ESG principles across the business.

Thank you for your interest in Porterbrook's sustainability journey. I hope you find this report useful in understanding our approach, progress and goals for the future

Mary Grant, CEO





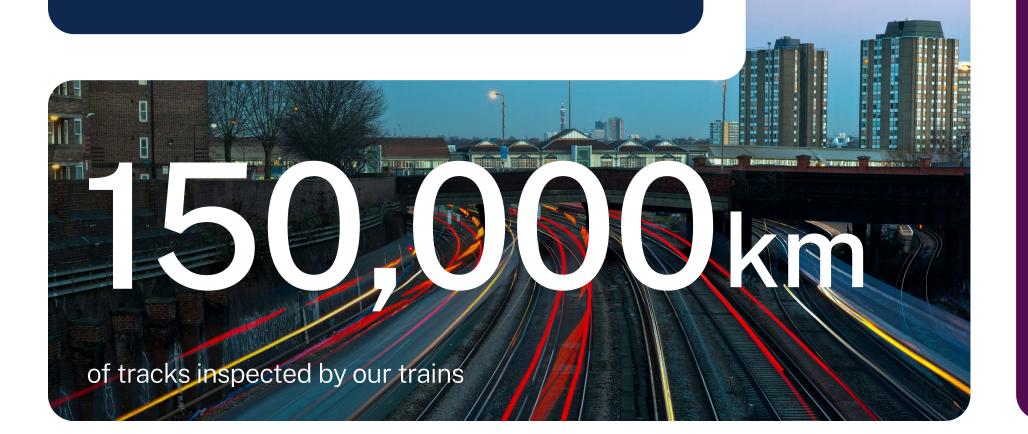
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A year in review

stake in Brodie Engineering acquired, expanding our operational footprint in Scotland and the supply chain



Biodiversity Net Gain target set for Long Marston as part of enhancement works announced in 2024



30 Class 379 electric trains prevented from being prematurely scrapped, saving c.32,700tCO2e in embodied carbon



GRESB score achieved for the third consecutive year, retaining a Global Sector Leader status for the fourth consecutive year





A year in review

investment in Long Marston since 2021, including the track upgrade and electrification works announced in 2024

£75m







new Green Private Placement secured to further invest in low carbon rolling stock



children reached through community engagement activities



which re-entered service at South Western Railway







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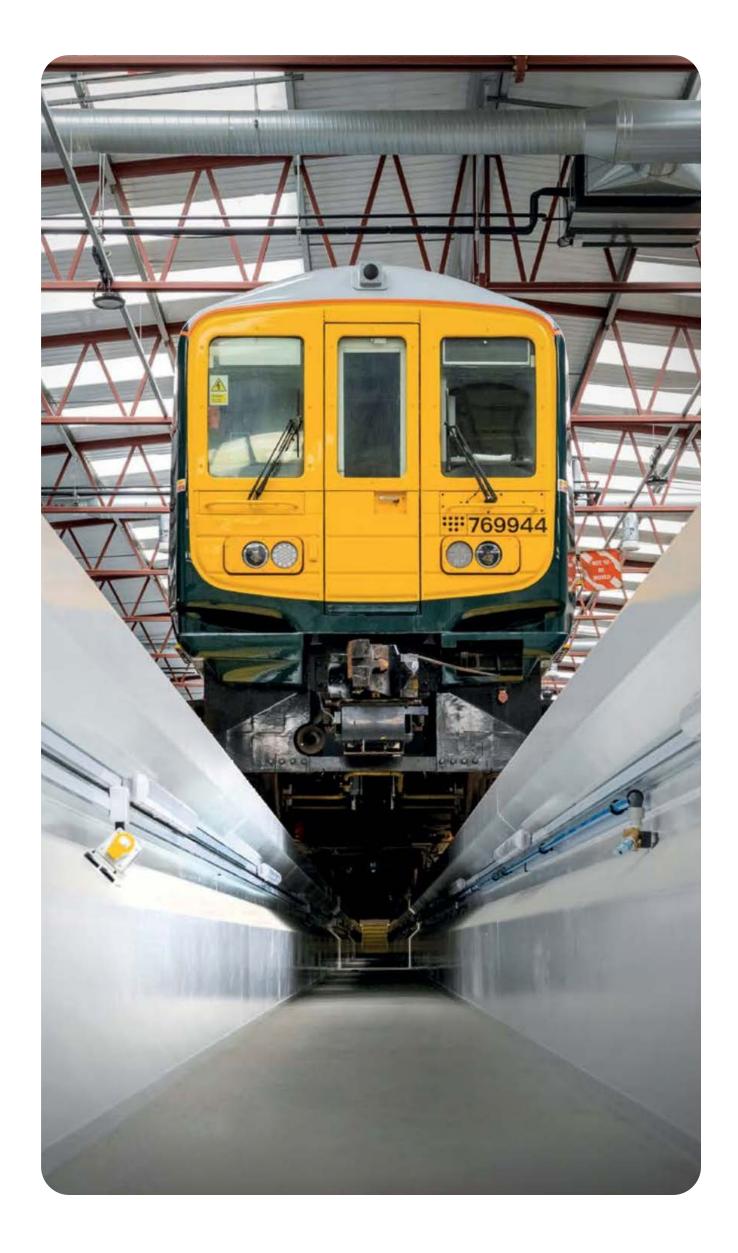
About us

Porterbrook is the UK's leading rolling stock financier and asset management company. We've been at the heart of the rail network for over three decades with 4,000 vehicles in our diverse portfolio of passenger and freight trains

The Porterbrook Group of companies is wholly owned by five supportive long-term institutional investors, fully committed to the future of the UK rail sector. These include Alberta Investment Management Corporation ("AIMCo"), Allianz Capital Partners ("ACP"), a joint venture between Dalmore and Generation Capital, and EDF Invest.

Sustainability has been at the heart of Porterbrook's approach for many years. Our talented engineers are leading some of the most exciting innovations taking place in the railway today. Over the past five years, we've invested more than £57m in the development of new traction technologies such as battery, hybrid and hydrogen powered trains.

Since the creation of a dedicated sustainability function in 2020, we have focused on systematically embedding ESG into decision-making. We are proud that the progress has been recognised in our GRESB score, which increased from 35 / 100 in 2016 to 100 / 100 for the third year running in 2024.



At the heart of UK rail for three decades





Timeline

Porterbrook's key milestones and achievements reflect our ongoing commitment to innovation and sustainability in the rail industry



2020

- First sustainability report issued
- Dedicated sustainability function established

2016

First GRESB score 35/100

2007

First battery-assisted power car in Europe

1994

Porterbrook established

OIIIOIIIO

2022

- First UK ROSCO to issue a Sustainability Linked Loan
- Achieved first GRESB score of 100/100
- Full Scope 3 carbon footprint established

2023

- First climate risk assessment in line with TCFD
- Extended ISO 14001 certification to Long Marston
- Publication of Sustainable Rail Blueprint
- HydroFLEX achieves speeds of 90mph in mainline testing

2021

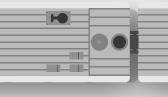
- Set targets for Scope 1 and 2 emissions
- HydroFLEX showcased at COP26



2024

- New Green Financing Framework
- £250m Green Private Placement
- Maintained GRESB score of 100 / 100 for the third year
- Achieved year one Sustainability Linked Loan target
- EU Taxonomy assessment completed
- Transitioned to 100% renewable energy
- Certification to ISO 14001 extended to 2027
- Set Biodiversity Net Gain target
- Commissioned research into UK passenger inclusivity





Sustainability framework and objectives

Porterbrook's sustainability strategy has five overarching objectives. These reflect the issues that are most relevant to our stakeholders and to the business's long-term performance

We seek to align with frameworks including GRESB, the Rail Safety and Standards Board's (RSSB) Sustainable Rail Blueprint, as well as the United Nations' Sustainable Development Goals.

Our five sustainability objectives

Playing our part in growing rail's modal share

Delivery mechanisms

01. Investment strategy	We align capital deployment and financing strategies with ESG goals to future-proof our portfolio
02. Asset management	We proactively help our customers improve their environmental and social impact through asset management, procurement and innovation
03. Facilities and operations	We aim to go beyond compliance where possible, adopting internationally recognised best practice











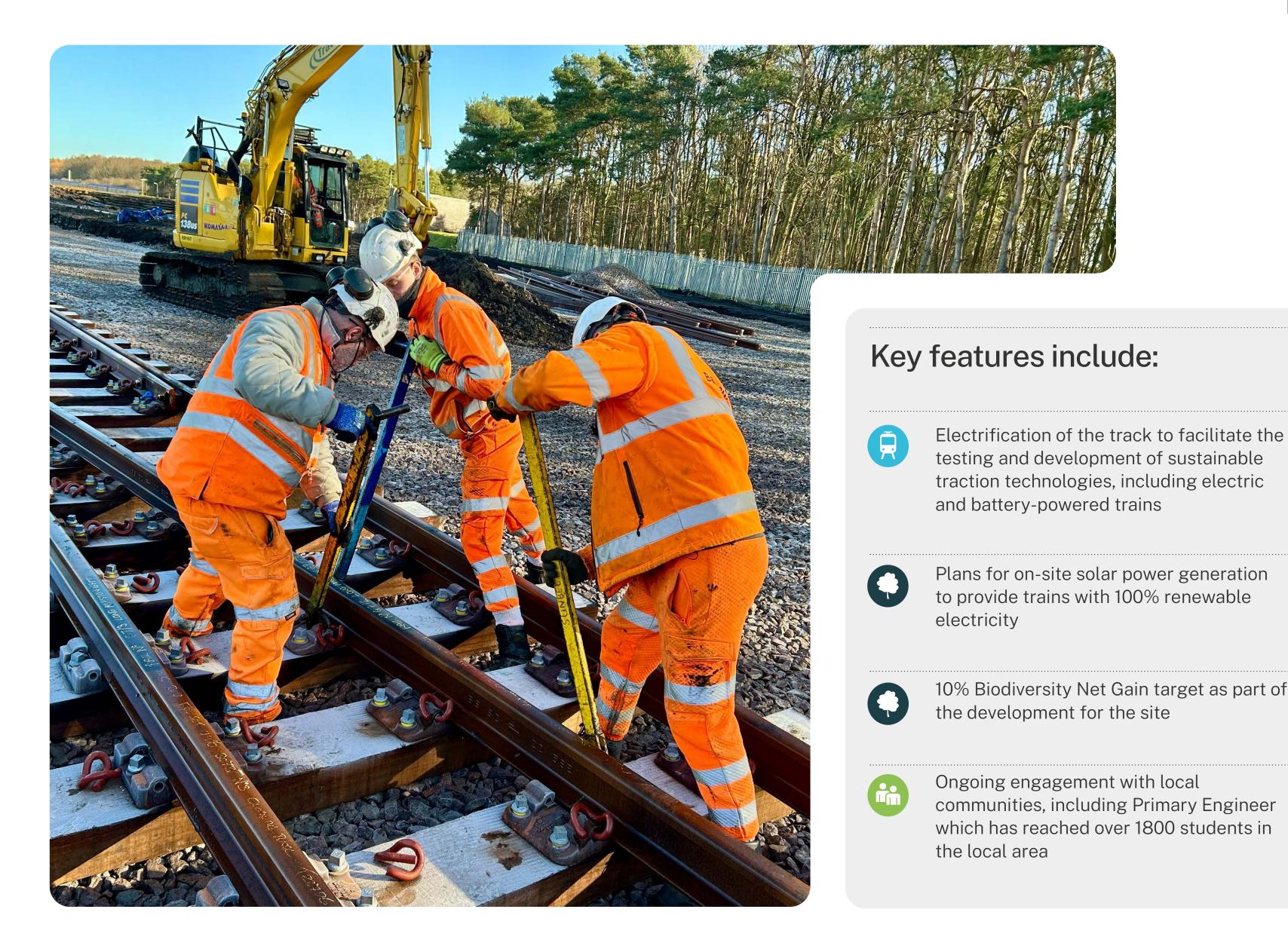
In focus:

Embedding sustainability in Long Marston enhancements

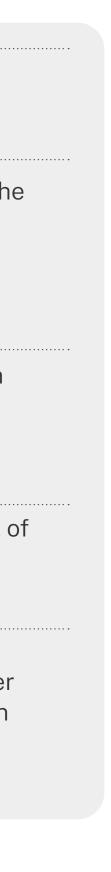
Our Rail Innovation Centre in Warwickshire is an invaluable asset to test and trial new traction technologies, securely store rolling stock and deliver training in a live environment

In 2024, we confirmed plans to upgrade and electrify Long Marston's 3.5km test track. This new facility will enable the on-site testing and commissioning of new trains, ensuring they can be reliably delivered to passenger service.

From energy, biodiversity and climate resilience considerations, through to local stakeholder and community engagement, we have worked to put sustainability front and centre of the design, delivery and future use of upgraded facilities.









Despite a **1.4**[%] year-on-year reduction, domestic transport remained the UK's largest emitting sector in 2023, accounting for **29.1**^{%1} of the country's greenhouse gas emissions

At Porterbrook, we believe that high-quality rail services are essential for reducing emissions in the transport sector. Research shows that national rail produces 68% less CO₂e per passenger than an average diesel car and 77% less than flying². A single freight train can remove up to 129 HGVs from the road³.

As a rolling stock owner, we are facilitating this transition by investing in new and upgraded trains, supporting the movement of more people and goods via rail.

Our priorities

Mobilise private finance to fund **rail growth**, leveraging green financing

Department for Energy Security and Net Zero (DESNZ), UK Greenhouse Gas Emissions, 2023 https://assets.publishing.service.gov.uk/media/6604460f91a320001a82b0fd/uk-greenhouse-gas-emissions-provisional-figures-statistical-release-2023.pdf
National Rail, Small Switch Big Difference Carbon Comparison Calculations, 2024 https://assets.nationalrail.co.uke8xgegruud3g/7sP8mLcWZvvxV7YxmhJsw7/3ed 56cf57915f138f8d7fe5078420151/Small_switch_big_difference_-_Substantiations_and_calculations.pdf
Rail Partners, Freight Expectations: How Rail Freight Can Support Britain's Economy and Environment, 2023 https://railpartners.co.uk/images/documents/Rail%20Partners%20-%20Freight%20 Expectations%20-%20How%20rail%20Greight%20Can%20support%20Britains%20 economy%20and%20environment.pdf



2

Help provide a **reliable**, **accessible** and **comfortable** service for rail users 3

Promote **rail** and **active travel** in our business and communities





Delivering growth through private investment

In a challenging fiscal environment, private investment is key to delivering the growth the railway needs

For 30 years, we've successfully invested over £3.5 billion of private capital from pension funds, insurance companies and other institutional investors into UK rail.

This approach keeps the majority of the nation's train fleet off the public sector balance sheet so that rail does not have to compete with other important public services for limited taxpayer funds.

In November 2024, we were pleased to announce the closing of a new £250m Private Placement, issued under Porterbrook's Green Financing Framework.

The new debt instrument supports our ability to continue to invest in the future of UK rail, building on recent successes such as the order of 10 new tri-mode trains for London North Eastern Railway.



<u>E66m</u>



Supporting the wider rail ecosystem: **Bletchley depot**

In April 2024, we successfully bid to finance the £66 million redevelopment of Bletchley depot for West Midlands Trains' new electric Class 730 Aventra fleet.

The project will include new overhead line equipment, sidings for five and ten car trains, refurbishment of existing buildings and modern security systems. The transaction demonstrates how private finance can support essential infrastructure upgrades as well as new fleets.



Making the most of existing assets

We're not only investing in new rolling stock; in 2024, we acquired and re-commissioned 30 off-lease Class 379 Electrostar trains that were at risk of being prematurely scrapped.

By refurbishing these assets instead of building new ones, we extended their use by another 20 years and

prevented an estimated 32,700 tCO₂e⁴ in embodied carbon associated with the manufacturing process.

The fleet returned to passenger service with Govia Thameslink Railway in early 2025.





Improving the passenger experience

Improving services for rail users is key to making trains their preferred mode of transport. We support the government's objectives of providing reliable, affordable, efficient, high-quality, accessible and safe services

We maintain these high standards throughout each asset's lifecycle, investing over £200 million in fleet upgrades in the last five years and working with academic institutions to explore ways to make our trains more accessible and inclusive for everyone.



Transforming the Class 458/4 fleet

In December 2024, we completed a £25 million upgrade programme for the Class 458/4 fleet at Alstom's Widnes facility that included: Reconfiguring from five-car to four-car units

- Increasing top speed to 100mph
- Improving passenger comfort with new carpets, seats, tables, toilets and wireless charging

Our 28 upgraded units will increase capacity on the South Western Railway's (SWR) London Waterloo to

Making train travel more inclusive

Disability affects around 14 million⁵ people in the UK. It is estimated that people with a disability take 38%⁶ fewer trips than those without. In 2024, we initiated a research project with the universities of Cambridge and Birmingham to find ways to make train travel more inclusive.

5. Disabled Persons Transport Advisory Committee (DPTAC), DPTAC Reference Frame: Working Towards a Fully Accessible Railway, 2022 https://www.gov.uk/government/publications/dptac-reference-frame-working-towards-afully-accessible-railway/dptac-reference-frame-working-towards-a-fully-accessible-railway 6. Labour Party, Getting Britain Moving, Labour's Plan to Fix Britain's Railways, 2024 https://labour.org.uk/wp-content/uploads/2024/04/GETTING-BRITAIN-MOVING-Labours-Plan-to-Fix-Britains-Railways.pdf

Weybridge route, improving daily commutes for thousands of people and delivering substantial social value, with 80% of the £25 million investment going to UK suppliers.

"We're excited to welcome our newly refurbished Class 458 fleet back to the network. These upgraded trains provide a significantly enhanced customer experience, with improved seating and tables, new charging points, as well as space for two wheelchair users," Neil Drury, Engineering and Infrastructure Director at South Western Railway.

£25m

investment in Class 458/4 upgrade

This research will provide valuable insights into the perceived primary barriers, their relative magnitude and potential intervention measures for new

fleets and future refurbishments.

CAMBRIDGE Enterprise



£200m+

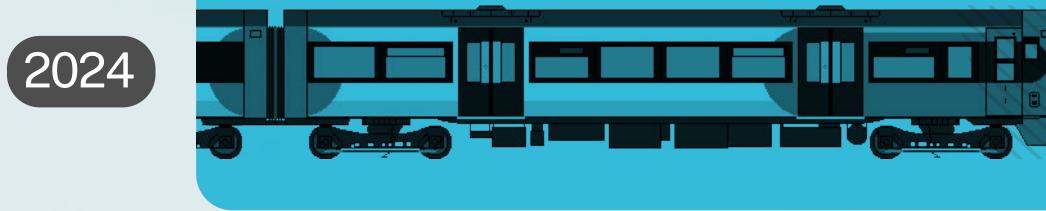
in fleet upgrades in the past five years











delivered in 2024



trains due for completion in 2025

Progress as of end-2024:

£100m+

investment to upgrade our Electrostar fleet

264trains converted out of 304

B86 trains delivered on target in 2024

trains due for completion in 2025



trains due for completion in 2025

40



Unlocking rail freight growth

Only 7% of UK freight is transported by rail whilst 81%⁷ is moved by road. There is significant work ahead to meet the government's target of growing rail freight by at least 75%⁸ before 2050

We support this ambition and work alongside our freight customers to deliver the investment needed in new wagons and locomotives.

New wagons for GB Railfreight



ex-coal wagons to be repurposed for Freightliner



UK government has set a rail freight growth target of at least 75% by 2050⁸

7. Department for Transport (DfT), Transport Statistics Great Britain: 2022 Freight, 2023 https://www.gov.uk/government/statistics/transport-statistics-great-britain-2023/transportstatistics-great-britain-2022-freight 8. Department for Transport (DfT), Rail Freight Growth Target Announcement, 2024, 2024 https://www.gov.uk/government/publications/rail-freight-growth-target/rail-freight-growth-target

In November, the final 25 box wagons manufactured by Greenbrier were delivered to GB Railfreight. Their delivery marks the completion of the deal announced earlier in the year for 50 new wagons, taking the number of new assets delivered since 2023 to 300.

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new box and intermodal wagons delivered for GB Railfreight

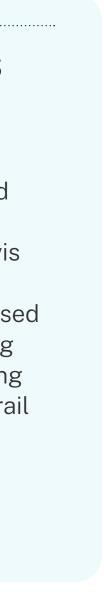
Upcycling redundant coal wagons with Freightliner

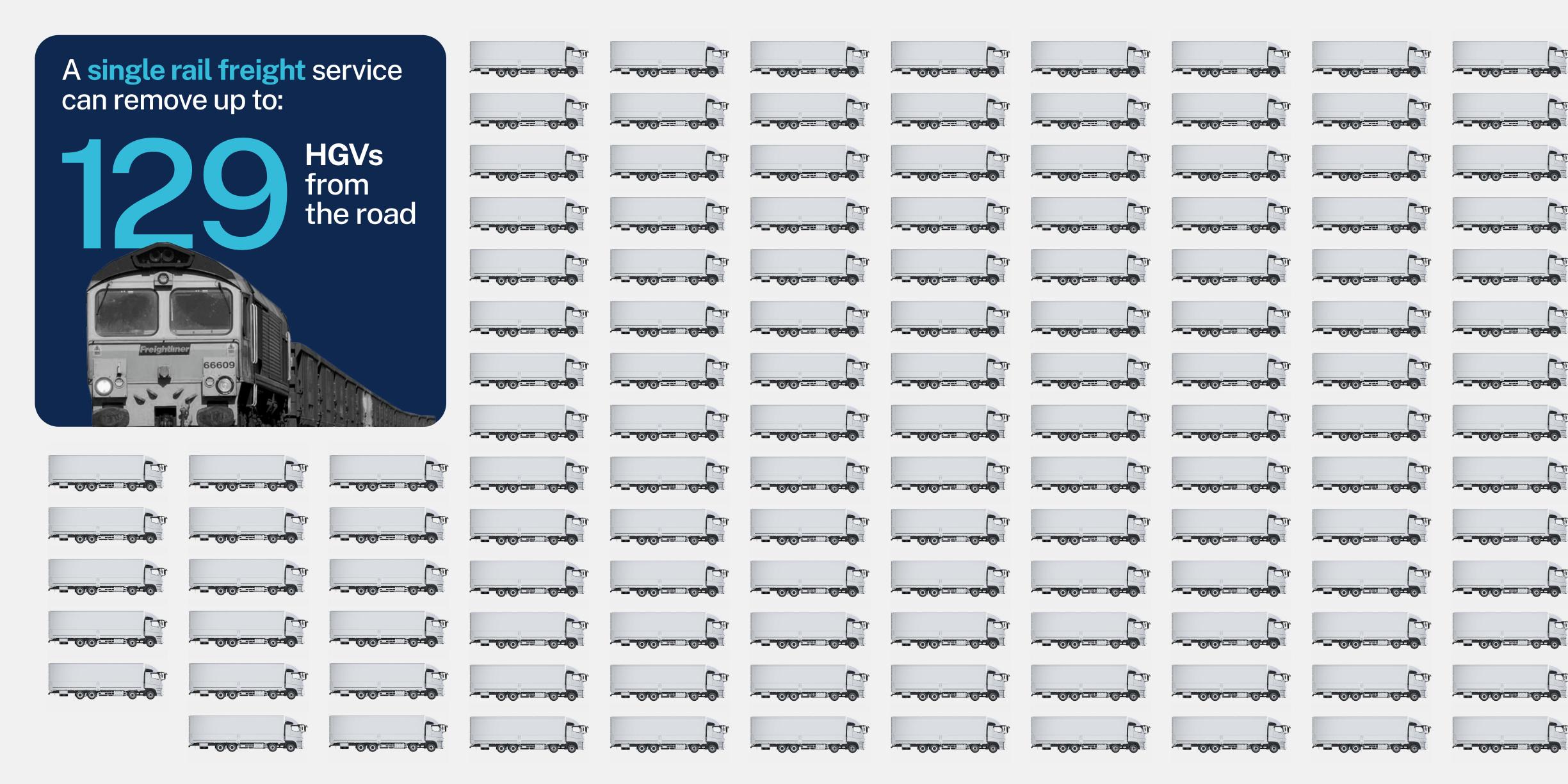


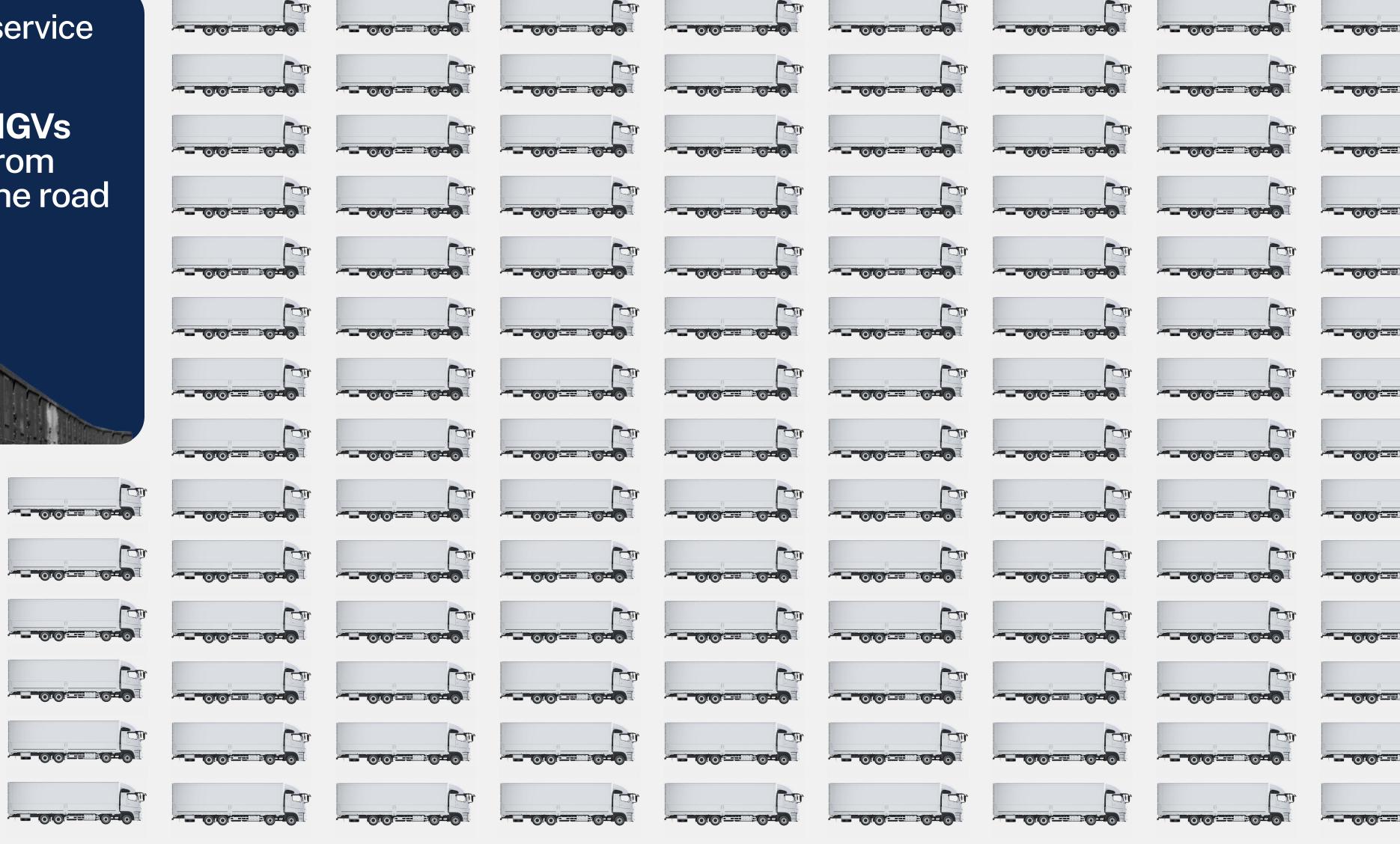
In December, we were pleased to announce a partnership between Freightliner, WH Davis and Porterbrook. This will see residual coal wagons repurposed to move aggregate, supporting the UK supply chain and driving sustainable innovation in the rail industry.

























Companies with stronger governance are 43% more operationally efficient, generate 3.4x more cash flow and deliver twice the shareholder returns of their peers¹

Where practical, we aim to go beyond compliance and adhere to internationally recognised best practice relevant to our business, ensuring that ESG-related risks and opportunities are effectively monitored and managed.

Our priorities

Maintain a robust set of policies and procedures with strong risk controls and management oversight





Promote cyber security and data privacy



Always put safety first, by exercising due diligence in the supply of products for use on the operational railway



ESG management and oversight

Porterbrook's commitment to sustainability is embedded throughout our organisational structure

Oversight of ESG, including climate-related risks and opportunities, starts at the top of the organisation. This ensures alignment with the Group's strategy and objectives, stakeholder expectations and regulatory requirements.

....

PLCL Board

reviews the strategic plan annually, sets key policies and processes to manage the Group's exposure to risk

In 2024, we achieved: **OESG** incidents

demonstrating environmental, social and governance excellence

Executive Management Team

makes key decisions and drives the implementation of sustainability initiatives, with oversight from the PLCL Board

ESG Committee

brings together senior ESG champions from key business functions to review progress and recommend actions to senior leadership

Board of Directors of Porterbrook Holdings I Ltd

delegates responsibility for setting the Group's strategy and maintaining oversight of its activities to the Porterbrook Leasing Company Ltd (PLCL) Board

Nominations Committee

oversees the appointment of the CEO. CFO and non-executive. non-shareholder directors of PLCL

Audit & Risk Committee

reviews the risk register (including ESG issues) and oversees financial disclosures

Remuneration Committee

determines the framework and broad policy for the remuneration of the directors of PLCL (other than shareholder directors), considering ESG performance

Safety Committee

reviews the Group's approach to maintaining a safety focused culture across its activities and asset portfolio

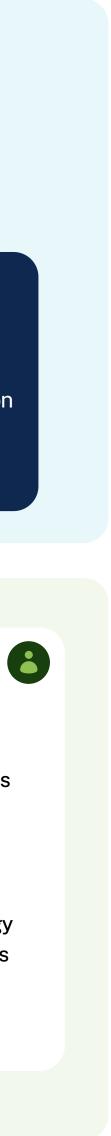
Executive Management Team

- Chief Executive Officer
- Chief Financial Officer
- Chief Investment Officer
- Chief Operating Officer
- General Counsel & Company Secretary
- Director of Strategy & Sustainability
- Director of Human Resources
- Director of Communications

ESG Committee Team

- Director of Strategy & Sustainability
- Director of Human Resources
- Director of Communications
- Head of Financial Reporting
- Head of Risk, Quality & Insurance
- Head of Commercial Strategy
- General Manager, Operations & Safety
- Head of Procurement
- Sustainability Manager





Defining strategic priorities

Our materiality assessment helps us identify and prioritise the environment, social and governance issues that are most significant to our business and stakeholders

By focusing on material issues, we can ensure strategies, resources and reporting efforts are focused on areas that have the greatest impact on our long-term goals.

We conduct a formal materiality assessment every three years, with the next one due in 2025. Interim updates are undertaken to ensure our focus remains on the most important issues.

Our 2024 update placed an increased importance on biodiversity and habitat management, noise pollution and land contamination. These changes reflect the ongoing enhancement works at Long Marston (see further on page 28).

Methodological approach

Online survey

We conducted an online survey to understand how our stakeholders-including government bodies, local authorities, customers and interest groups-prioritise ESG issues in their relationship with Porterbrook.

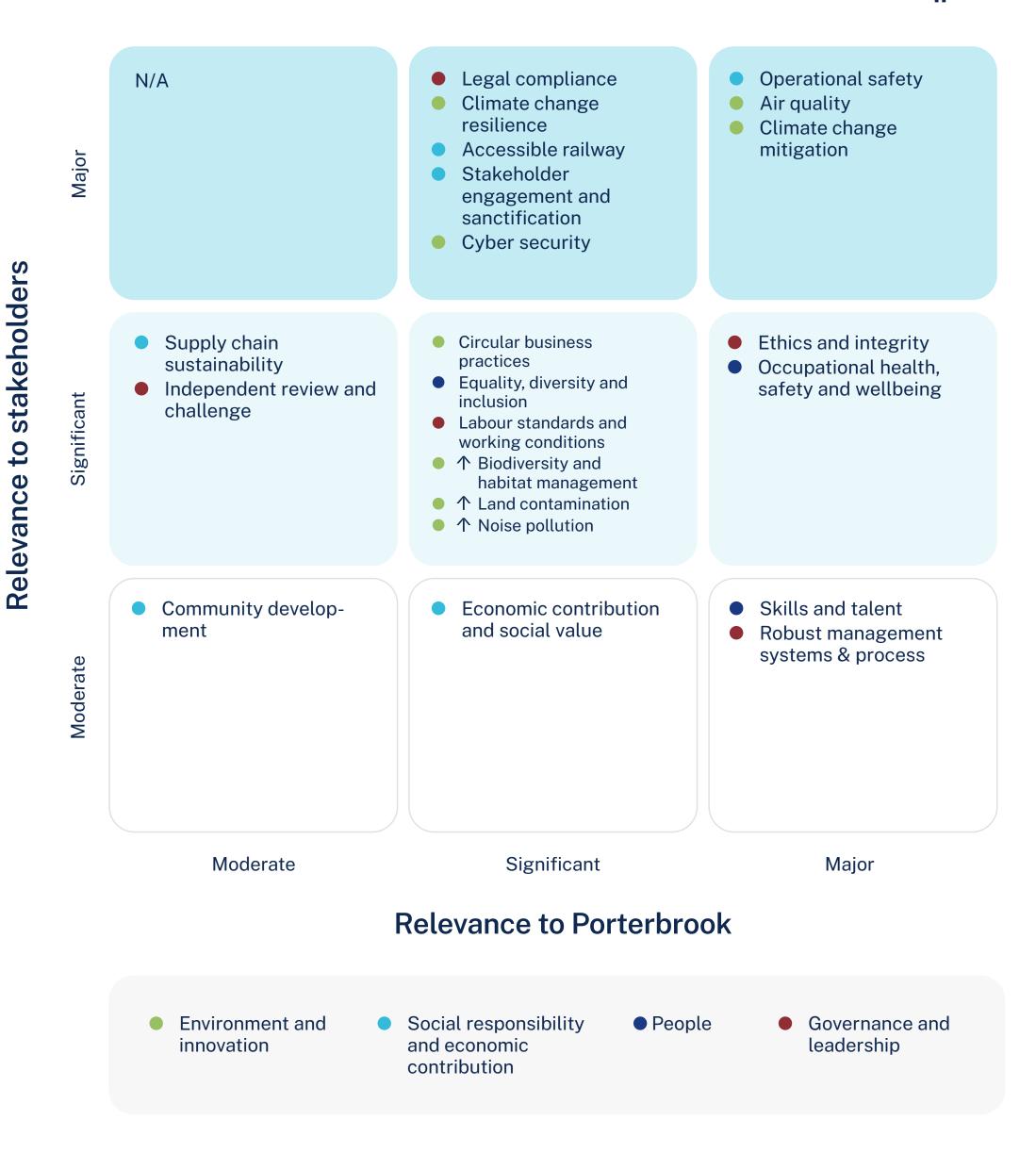


Interviews

Sustainability experts from Eracura Consulting Ltd held one-to-one interviews with key stakeholders to gain deeper insights into their ESG priorities and how Porterbrook can provide support.

Internal impact analysis

We performed an internal review of ESG issues to assess their potential impact on Porterbrook's performance and evaluate our level of influence over each.





Health and safety

As a provider of rolling stock for the operational railway, we recognise our responsibility to all those people who may be affected by our business activities. With a growing portfolio of assets and the development of new, innovative products, safety remains our number one priority

Robust arrangements are in place to fulfill our obligations. We exercise due diligence in the supply of products, monitor safety performance in service and advise customers or suppliers of relevant safety issues when necessary.

In January 2025, we were pleased to confirm the appointment of Ian Prosser CBE as the new independent Chair of the Porterbrook Safety Committee. Having served as HM Chief Inspector of Railways for over 15 years, Ian will be responsible for reviewing the company's approach to maintaining a safety-focused culture across our entire asset portfolio, in line with the high standards required within the UK rail industry.



safe moves achieved across

154 days at Long Marston



Work Safe Act Safe Home Safe

"I am delighted to have been asked to chair Porterbrook's Safety Committee. Under Mary Grant's leadership, the company has shown a real passion for improving standards. With a strong health and safety performance already in place, I believe we can now work together to reach even higher levels."

Ian Prosser CBE

104 supplier audits

supplier audits undertaken in 2024

Our safety principles:

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Select and manage competent suppliers who understand their safety obligations



Provide clear, unambiguous specifications and procedures



Implement effective management of ongoing activities



Ensure effective management of change



Carry out relevant audits with our supply chain and customers





Climate-related risks and opportunities

We conduct regular assessments to evaluate the current and potential impacts of climate change on our business

The extensive assessment undertaken in 2023 continued to guide our approach in 2024. This incorporated climate-related risks and opportunities across two transition scenarios (policy, legal, technology and market changes) and two physical scenarios (acute and chronic climate events). These were analysed over three time horizons: 2030, 2040 and 2050.



Higher emissions scenario²

We maintained a low net level of risk and opportunities across all future time horizons. The highest risk identified was 'unsuccessful investment in low-carbon technologies,' stemming from the lack of demand for hydrogen trains in this scenario.

Climate-related risks & opportunities	2030	
Policy driven modal shift in freight transport		
Financing of low emission rolling stock - Hydrogen		
Financing of low emission rolling stock - Electric		
Policy driven modal shift in passenger transport		
Access to more favourable financing		
Reduced access to capital		
Changing regulatory standards on diesel rolling stock		
Unsuccessful investment in low-carbon technologies		
Reduced asset reliability		Lavera
Risks (red) and opportunities (green) are rated as unchanged, low, moderate, high	Unchanged	Low c

2. SSP5-8.5 scenario selected for physical risks. Network for Greening the Financial System (NGFS) 'Current Policies' scenario used for transition risks 3. SSP1-2.6 scenario selected for physical risks. NGFS 'Net Zero by 2050' scenario used for transition risks

Lower emissions scenario³

We are well positioned to capitalise on opportunities for the transition to a low-carbon economy, including a policy-driven modal shift to rail, passenger and freight. Prudent life-end date assumptions mean we have no exposure to diesel-only assets beyond 2040.





03

Cultivating environmental sustainability





As an asset owner, our environmental impacts are primarily indirect and relate to the 4,000+ rail vehicles in our portfolio. For example, the energy used to power the trains leased to our customers accounted for 92% of our carbon footprint in 2024

We actively engage with our customers, supply chain and industry partners to reduce these shared effects, whilst aspiring to be exemplary in the management of issues which fall within our direct control.

We maintain an ISO 14001:2015 certified Environmental Management System to identify, manage and continuously reduce our environmental impacts.





3

Innovate to reduce GHG emissions and air pollutants from existing rolling stock

Protect and enhance the **biodiversity** of our sites and prevent land and water contamination

4

5

Achieve net zero emissions for Scope 1 and 2 by 2050



Drive **sustainability** throughout the supply chain and asset life cycle







Driving circularity throughout the asset life cycle

Trains are naturally resource efficient: an additional 4.6 million cars, equating to 5.5 million tonnes of material, would have been required to deliver the 60 billion passenger kilometres travelled on British trains in 2023/24¹

A whole-life approach to asset management is key to maximising these benefits, helping to drive environmental performance from design to end-of-first life.

Our circular approach

We implement circular economy principles across four key stages of our asset management:

New trains

We primarily target investment in zero emission and bi-mode trains, ensuring flexibility as the network is gradually electrified

Y

- We engage with industry partners to improve the design of future trains with a particular focus on circularity, inclusivity and climate resilience
- Find out more about recent investments on page 11

1. Department for Transport (DfT), DfT road traffic estimates and licencing statistics, 2023 Annual average of 22,800 passenger km per car, based on 334bn car passenger km in 2023, and 41.2m registered passenger cars in the UK. 2. Train: 140k passengers per annum over 35 years, with an average weight of 42t. Car: 200,000km over life with an occupancy rate of 1.6, and an average weight of 1.2t

Maintenance and operations

0

23

- Porterbrook engineers support high vehicle utilisation rates by helping customers achieve maximum levels of asset availability and reliability
- We seek to further reduce the use of new materials by embedding circular economy principles into our own procurement policies

New life

- We aim to embed circular economy principles in the decommissioning of rolling stock assets
- In 2024, we achieved a 89% re-use and recycle rate

Product development

• We continue to explore new technologies to improve the environmental performance of assets, investing £57m+ in green traction technologies in the past 5 years

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Find out more on tackling idling on page 25 and HydroFLEX on page 26.

Zero emissions

and bi-mode trains account for 69% of our portfolio and **94%** of our rolling stock capital expenditure in the past three years

12x more

High utilisation rates mean that trains are up to 12 times more resource efficient than a typical UK car²







Reducing emissions from our diesel fleet

With only 39%³ of the rail network currently electrified, the UK relies on 2,898 diesel trains to provide critical services each day

As the industry develops plans for the 10,000km of unelectrified tracks, we expect diesel trains to continue to play an important role until they are phased out.

In the interim, we proactively engage with our customers and industry partners to develop options to reduce GHG emissions, noise and air pollution associated with fuel use.

In the past five years, we have invested over £57m in traction innovation including hybridisation, exhaust after-treatment, engine powerpack upgrades and the use of low-carbon fuels.

Tackling avoidable idling

New RSSB research⁴ identified that periods of prolonged, stationary engine use are responsible for up to 10% of the industry's annual fuel consumption – more than 38,000,000 litres.

Tackling the root cause of excessive idling could cut carbon emissions by 100,000 tonnes, NOx by 1,600 tonnes and PM2.5 by 200 tonnes each year.

To enable this, we've partnered with Instrumentel to develop a digital idling monitoring solution. The tool identifies and tracks avoidable engine use, helping train operators reduce excessive idling at hotspot locations such as stations and depots.

The tool will be rolled out across our diesel fleets in 2025.



invested In the past 5 years in traction innovation

3. Office of Rail and Road (ORR), Rail infrastructure and assets, April 2023 to March 2024 https://dataportal.orr.gov.uk/media/gcdkwb0v/infrastructure-and-assets-2023-24.pdf 4. Rail Safety and Standards Board (RSSB), Idling Reduction Initiative – Stakeholder Workshop, November 2024. New RSSB research identified that periods of prolonged, stationary engine use are responsible for up to 10% of the industry's annual fuel consumption – more than 38,000,000 litres.

Tackling avoidable idling could save the industry each year

100,000tonnes of **CO**,e



in fuel costs













Alternative traction technologies

Zero-emission, self-powered trains are needed to fully decarbonise the rail network where full or discontinuous electrification is not viable

The energy used for traction accounts for 35%⁵ of the rail sector's overall carbon emissions, with the gradual electrification of rail tracks continuing to be the most effective option for the majority of the network.

Where overhead lines are economically or geographically not viable, zero tailpipe emissions alternatives such as battery and hydrogen have an important role to play.

HydroFLEX: rail decarbonisation supporting clean energy and growth

Our £13m investment in HydroFLEX, the UK's first heavy rail hydrogen train, aims to bring forward the safe and cost-effective deployment of zero-emission, self-powered traction.

Having completed extensive 90mph+ mainline testing throughout 2024, we are now working with government and industry partners to launch HydroFLEX into passenger service.





hydrogen-powered miles on the mainline to date

This next step will be crucial to validate the feasibility and economic viability of hydrogen-powered trains. A mainline service operation will enable the collection of valuable feedback from key stakeholders including passengers, drivers and depot staff, helping to determine the optimum whole-system design.

As the UK government puts hydrogen at the heart of its plans to grow the economy and deliver net zero, the



EISM

invested by Porterbrook in HydroFLEX

Og of CO, e

emitted at the point of use, with water being the only byproduct







27

Transitioning to net zero

We aim to cut scope 1 and 2 emissions by 46% before 2030⁶, and to achieve net zero by 2050

We are committed to reporting transparently. Following 4 consecutive years of reduction, Scope 1 and 2 emissions temporarily increased in 2024.

This was primarily due to bi-mode trains being stored at Long Marston, and regularly powered to maintain the vehicles in optimum condition.

As these return to passenger service, we expect to restore a downward trajectory for Scope 1 and 2 in line with our 2030 target. To further reduce our Scope 2 emissions, we are developing plans for renewable electricity generation across our sites.

Other initiatives undertaken in 2024 have included:

Taking part in the UK's Energy Saving Opportunity Scheme, achieving a potential 32,714 kWh efficiency saving per year from switching to hybrid vehicles

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Extending the certification of our Environmental Management System to ISO14001:2015 across all sites until 2027

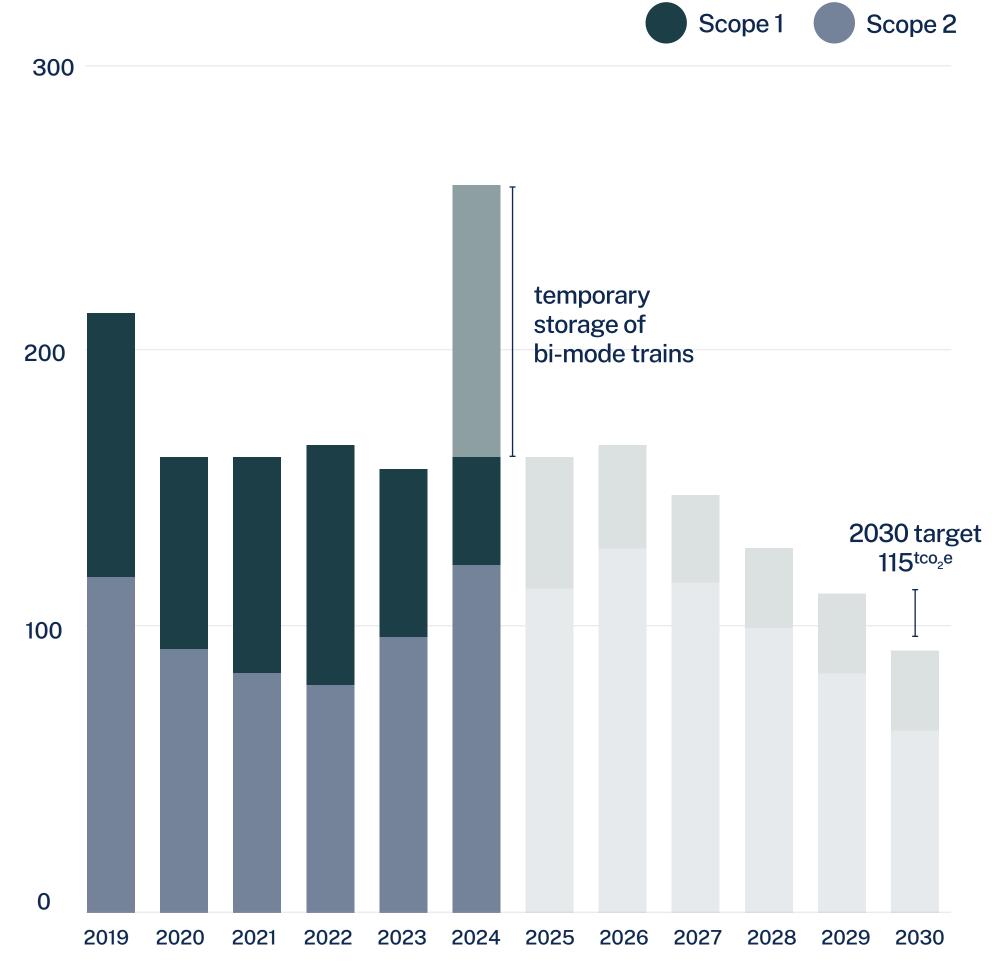
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Rolling out employee energy awareness campaigns



annual savings predicted from switching to hybrid vehicles

We remain on track with our scope 1 and 2 reduction targets of **46% by 2030** and **net** zero by 2050





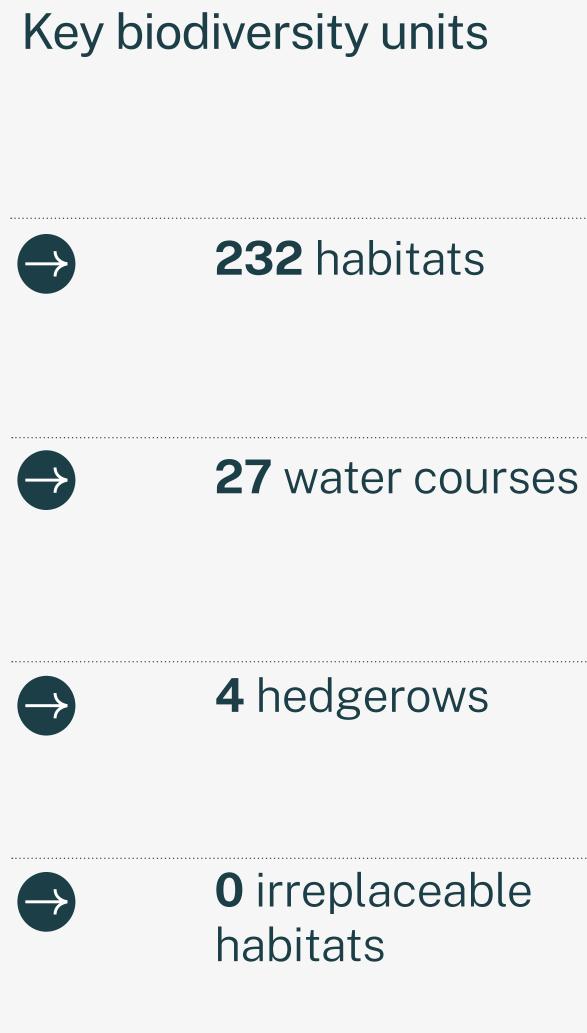
Managing biodiversity at Long Marston

Long Marston is home to a variety of habitats and species. In June 2024, we were pleased to host Rail Live visitors on site ecology tours, alongside volunteers from Network Rail and the Tree Council

As part of the ongoing track upgrade, we completed a baseline assessment to better understand, protect and enhance on-site ecology. This aims to achieve a 10% Biodiversity Net Gain (BNG) by improving existing habitats and creating new ones.

Baseline conditions were assessed using the Statutory Biodiversity Metric, which quantified habitat, hedgerow and watercourse units. The assessment provided valuable insights into our ecological features and their locations on site.

Key measures to achieve our BNG target include enhancing grassland, woodland, hedgerows and ditches, alongside creating higher quality habitats and planting native trees. Implementation is supported by a Construction Environment Management Plan and a 30-year Habitat Management and Monitoring Plan.

















2024 has been confirmed as the hottest year on record, reaching average global temperatures exceeding pre-industrial levels by 1.6 degrees¹

The impacts of climate change are being felt across the railway. In 2023/24, weather-related disruptions caused an estimated 3 years'² worth of delays, nearly doubling the 1.6 years' worth of delays in 2014/15, less than a decade ago.

We work closely with industry partners to develop resilient assets, sites and supply chains, aiming to build long-term resilience and adaptative capacity.



1. Copernicus Climate Change Service (C3S), 2024 is the first year to exceed 1.5°C above pre-industrial level, 2024 https://climate.copernicus.eu/copernicus-2024-first-year-exceed-15degc-above-pre-industrial-level 2. Office of Rail and Road (ORR), Climate Change Adaptation at the Office of Rail and Road, 2024 https://www.orr.gov.uk/sites/default/files/2024-11/climate-change-adaptation-report.pdf



Ensure our sites are fit for a changing climate

3

4

Leverage digital infrastructure monitoring to support broader railway adaptation efforts





Making the railway more resilient to extreme weather

Rising average temperatures³, combined with more frequent and severe weather events, are impacting the railway's ability to operate safely and on time

The primary impacts of extreme weather are felt across rail infrastructure through heavy precipitation, storms and heatwaves.

Network Rail's £2.8bn⁴ investment over the next five years (2024-2029) will increase infrastructure resilience to extreme weather, mitigating the impacts of these events on performance and costly remedial work.

e£2.8bn

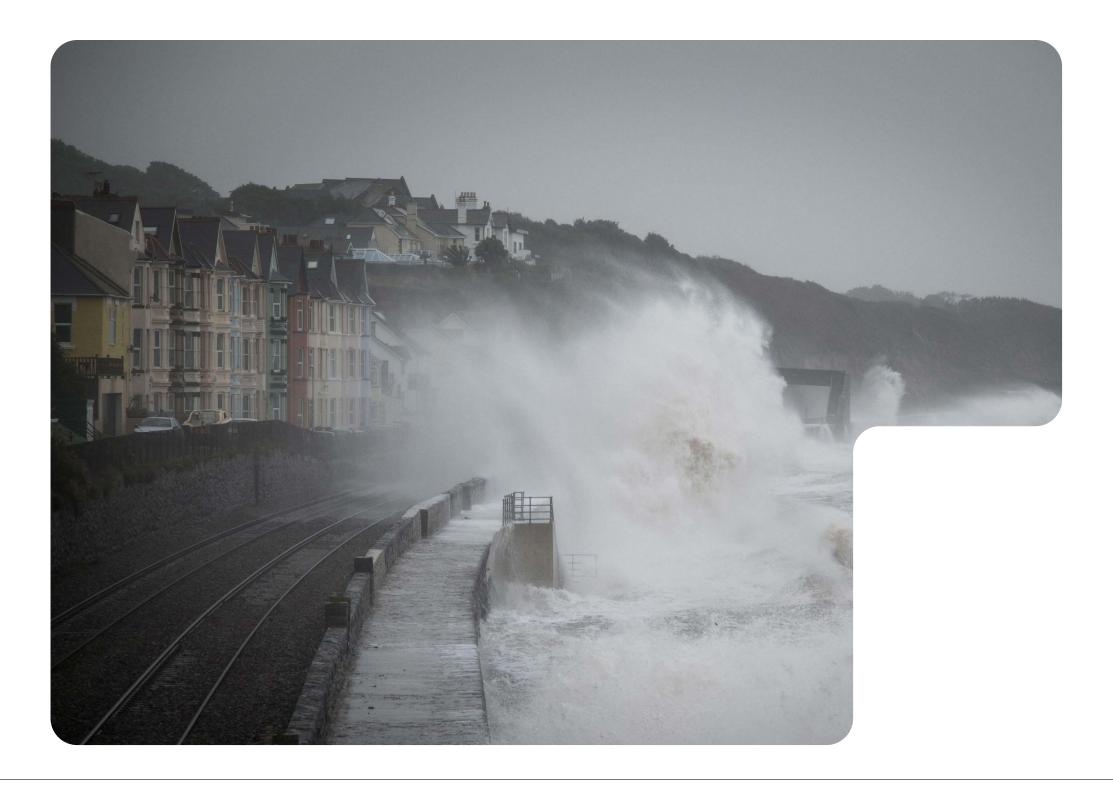
Network Rail's investment to increase infrastructure resilience to extreme weather between 2024-2029

Industry-wide approach

Through the RSSB Climate Adaptation Working Group, we are supporting an industry-wide, system-level approach to climate resilience.

Notable achievements in 2024 included:

- The adoption of common climate scenarios, a positive step towards unified and effective climate change adaptation across the rail sector
- An assessment of climate change adaptive capacity in UK rail at both an organisation and sector level



^{3.} Climate Change Committee (CCC), Progress in Adapting to Climate Change, 2023 https://www.theccc.org.uk/wp-content/uploads/2023/03/WEB-Progress-in-adapting-to-climate-change-2023-Report-to-Parliament.pdf 4. Network Rail, Rail Improvement Plan, 2024 https://www.networkrailmediacentre.co.uk/news/gbp-45bn-rail-improvement-plan-puts-climate-change-firmly-in-its-sights

5. Heating, Ventilation, and Air Conditioning

Building a climate-resilient fleet

Whilst new trains are designed to withstand extreme weather conditions, older assets can be more vulnerable and see their reliability reduce as sub-systems are pushed beyond design limits.

We address this through:

Risk assessments considering future climate scenarios

Innovations for improved resilience, such as smart HVAC⁵ and protective films

The integration of resilience considerations into core business processes





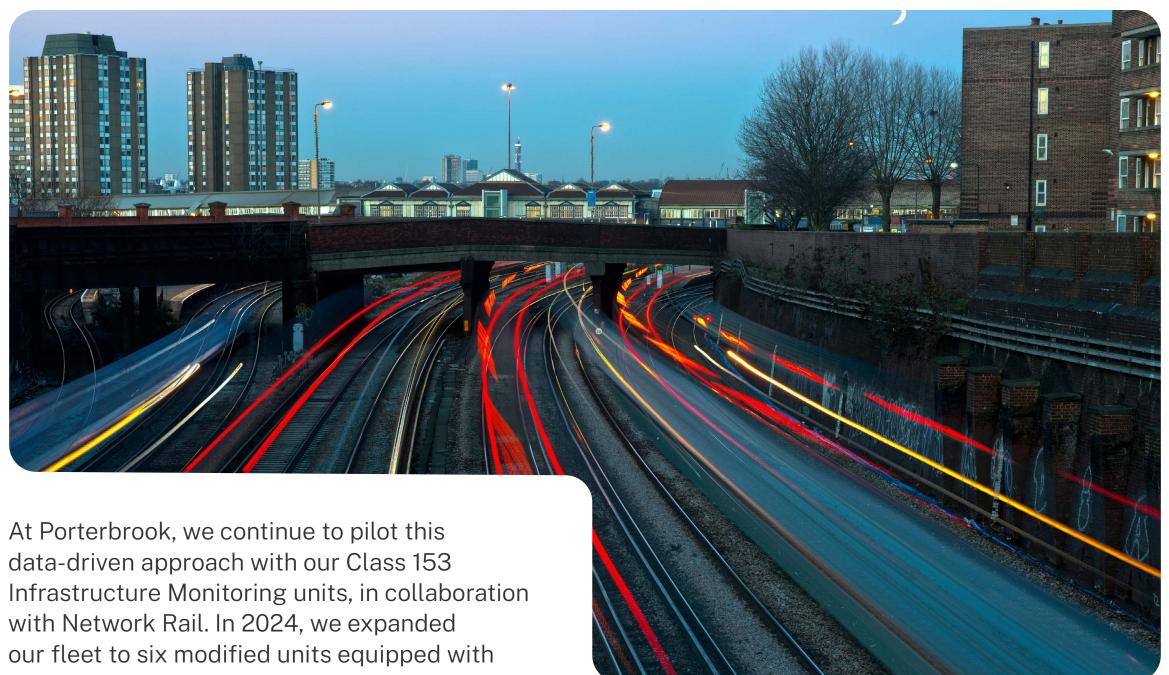


Data and innovation supporting rail system resilience

As extreme weather puts additional pressure on the network, understanding the condition of rail infrastructure is key to maintaining the highest levels of safety and performance

However, monitoring the condition of more than 15,000km of railway is challenging and resource-intensive. Trains running on the network can help, providing Network Rail with valuable real-time data on rail tracks, overhead lines and other critical equipment.

This data enables the infrastructure manager to optimise maintenance interventions, deliver improved availability for train operators and better services for passengers.



forward, rear and downward facing imaging, thermal imaging, and sub-one-metre location accuracy.

Looking forward, we are exploring opportunities to use in-service trains to complement the dedicated measurement fleet.



Key highlights include:



150,000km+

of tracks inspected by our infrastructure monitoring fleet in 2024



Up to 50% reduction

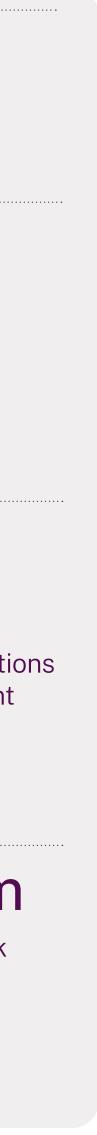
in "boots-on-ballast" inspections with dedicated measurement trains



1.6 million km

travelled by our rolling stock every day











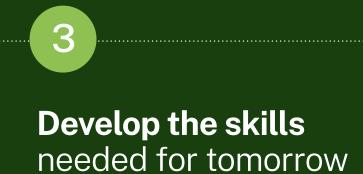
Diverse companies are 39%¹ more likely to outperform their peers financially and benefit from higher employee retention rates

At Porterbrook, we are committed to embedding diversity and inclusion whilst encouraging staff to develop as skilled professionals. Empowering employees is fundamental to building an attractive culture that retains the best talent.

Our teams are passionate about what they do and actively engage with younger generations to share their experience and inspire the talent needed for the future.







Invest in our communities





Building a high-performing and diverse team

Higher levels of diversity and inclusion can help build and retain high-performing teams

At Porterbrook, we are proud that **27% of our workforce** is female, higher than the industry average of 17.2%². Whilst ethnic diversity has increased to 13%, it remains below the sector average of 14.4%³ and can be further improved.

To promote and maintain an inclusive culture, every employee receives specific training as part of their induction. We also launched a dedicated hub in 2024 to provide our teams with additional resources and support.



Total employees

of applications are from female candidates, 19% higher than the nationa STEM sector average



successful promotions after completing the Aspiring Leader company programme to date

2. National Skills Academy for Rail (NSAR), Navigating the Skills Shortage: Annual Rail Workforce Survey, 2024 https://www.nsar.co.uk/wp-content/uploads/2024/11/ONLINE-Annual-Workforce-Survey-2024-compressed.pdf 3. National Skills Academy for Rail (NSAR), Findings of the Annual Rail Workforce Survey, 2024 https://www.nsar.co.uk/2024/12/findings-of-the-nsar-rail-workforce-survey-2024/ 4. Science, Technology, Engineering and Mathematics (STEM) https://www.stem.org.uk/

Professional development

We empower employees to grow as skilled professionals by investing in their development. In 2024:

- 83% of staff engaged in learning and development opportunities
- An average of £1,400+ per employee was spent on training

50% of roles were filled through internal promotions

To date, **85** employees have completed our Aspiring and Inspired Leader training programmes, providing them with the practical tools and knowledge needed to develop as effective managers.

People accreditations

INVESTORS IN PEOPLE We invest in wellbeing Silver

INVESTORS IN PEOPLE We invest in people Gold



ARMED FORCES

COVENAN'



MPLOYER SCHEM

SILVER AWARD

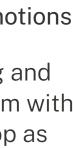
146different job titles













Developing skills for the future

The industry faces a dual challenge of a widening skills gap and an ageing workforce, with 90,000 workers⁵ set to leave the sector by 2030

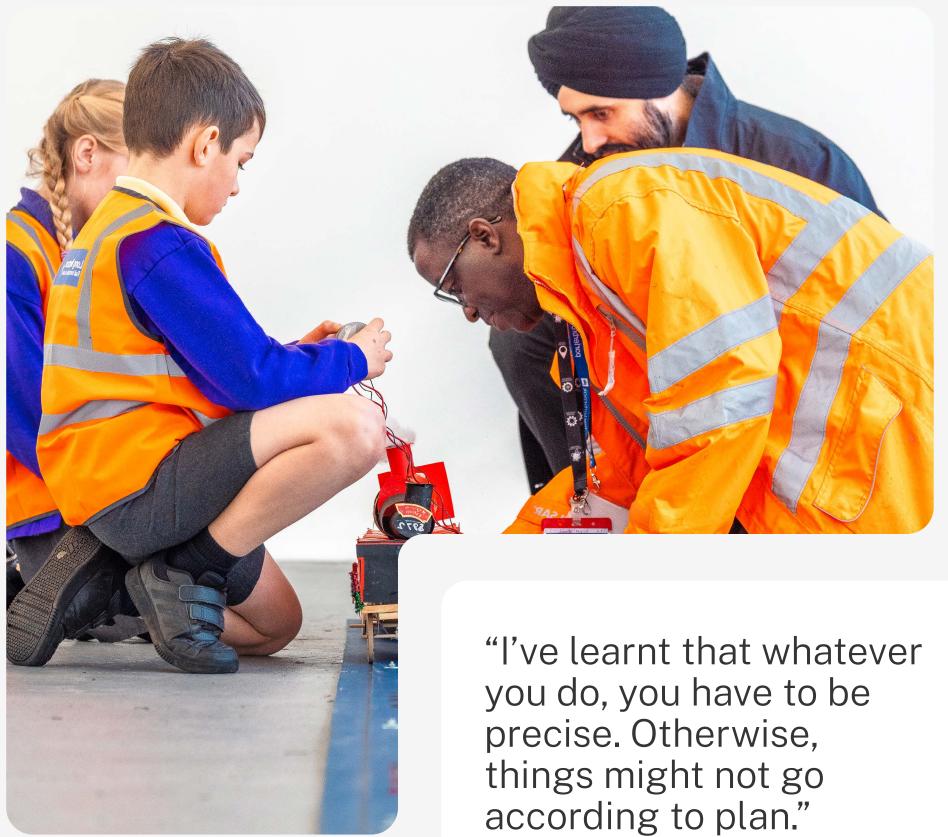
Through initiatives such as our £2.5m sponsorship of the National Railway Museum's Railway Futures Gallery, we're actively engaging with younger generations to promote careers in rail.

We're committed to providing hands-on experience and insight into the rail sector. In 2024, we:

- Hosted 13 work experience students across our three business locations
- Strengthened our partnerships with educational institutions, such as the Kedleston Group (Arc School, Warwickshire), the Holbrook School for Autism (Belper), and the Talent Foundry
- Supported career workshops by delivering tailored CV and interview support
- Expanded our involvement in the Primary Engineer programme

Primary Engineer programme

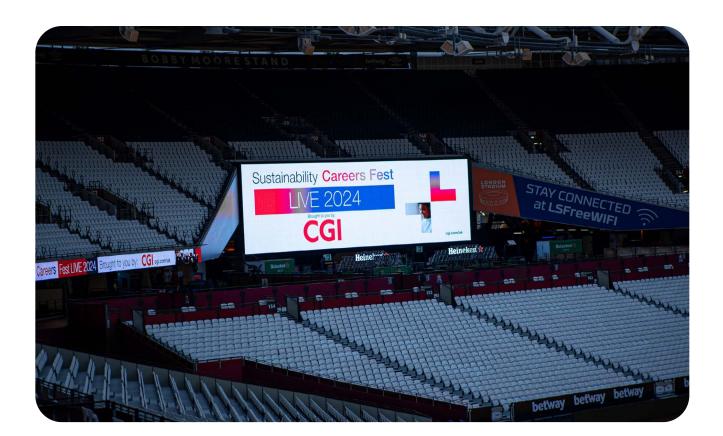
Over the past two years, our involvement in the Primary Engineer programme has inspired 1,800 children aged 8-11 in the Warwickshire area to engage in Science, Technology, Engineering and Maths (STEM) subjects.



Primary Engineer pupil

Sustainability Careers Festival

In December, Porterbrook took part in the UK's largest Sustainability Careers Festival at the London Stadium. The event attracted 1,800 students between the ages of 12 to 16, offering insights into sustainability careers and the skills needed across different sectors.











Community-focused social value

For us, social value means supporting initiatives which have a positive impact on communities, local economies, and the environment

We encourage employees to take two paid volunteering days each year to support causes they care about. In 2024, **46** team members completed volunteering days, giving a total of **64** days to communities.

This year, volunteers supported with vegetation clearance, path marking and other landscaping activities at Wingfield Station, near Alfreton in Derbyshire.

At Rail Live in June, we partnered with Stratford-upon-Avon's Escape Arts charity to showcase the 'Lost Railways' exhibition. This used historic and present-day photography to illustrate how much the railway has changed over the last 70 years.





donated through sponsorship for the **Railway Children charity**



Supporting Railway Children

We continued to support the Railway Children charity through the Three Peaks by Rail event, donating **£25,000** through sponsorship and raising **£10,000** from Porterbrook employees.

This combined effort supports the charity's critical work in protecting vulnerable children on streets and transport networks across India, Tanzania and the UK.





team members **completed volunteering** days







KPI summary

Metric	2022	2023	2024	Details
GRESB score	100	100	100	Score awarded k
Energy consumption (MWh)	751	725	1,132	Includes energy
Scope 1 (tCO2e)	82	59	139	Increase due to t
Scope 2 (tCO2e)	83	98	122	Emissions from p
Scope 3 (tCO2e)	563,125	604,581	642,098	Includes emissio
End-of-life reuse and recycling rate (%)	N/A	88	89	Percentage of er
Community investment (£)	534,240	611,811	573,224	
Volunteering hours	274	615	480	Number of hours
Absentee rate (%)	1	1	1	Percentage of ti
Training spend per employee (£)	654	1,210	1,438	Total training sp
Gender diversity (%)	29	29	27	Percentage of fe
ESG-related incidents	0	0	0	ESG-related mis

by GRESB in the annual sustainability assessment

y consumption from company cars, red diesel, natural gas and purchased electricity

the temporary storage of bi-mode trains at Long Marston

purchased electricity (location based). Increase due to expanding operational use of new maintenance facility

ions from our rolling stock portfolio (Category 13: downstream leased assets)

end-of-life rolling stock weight being re-used or recycled. First measured in 2023

rs used by staff for volunteering activities

time lost to sickness

pend divided by number of employees at year end

female employees

isconduct, penalties, incidents or accidents





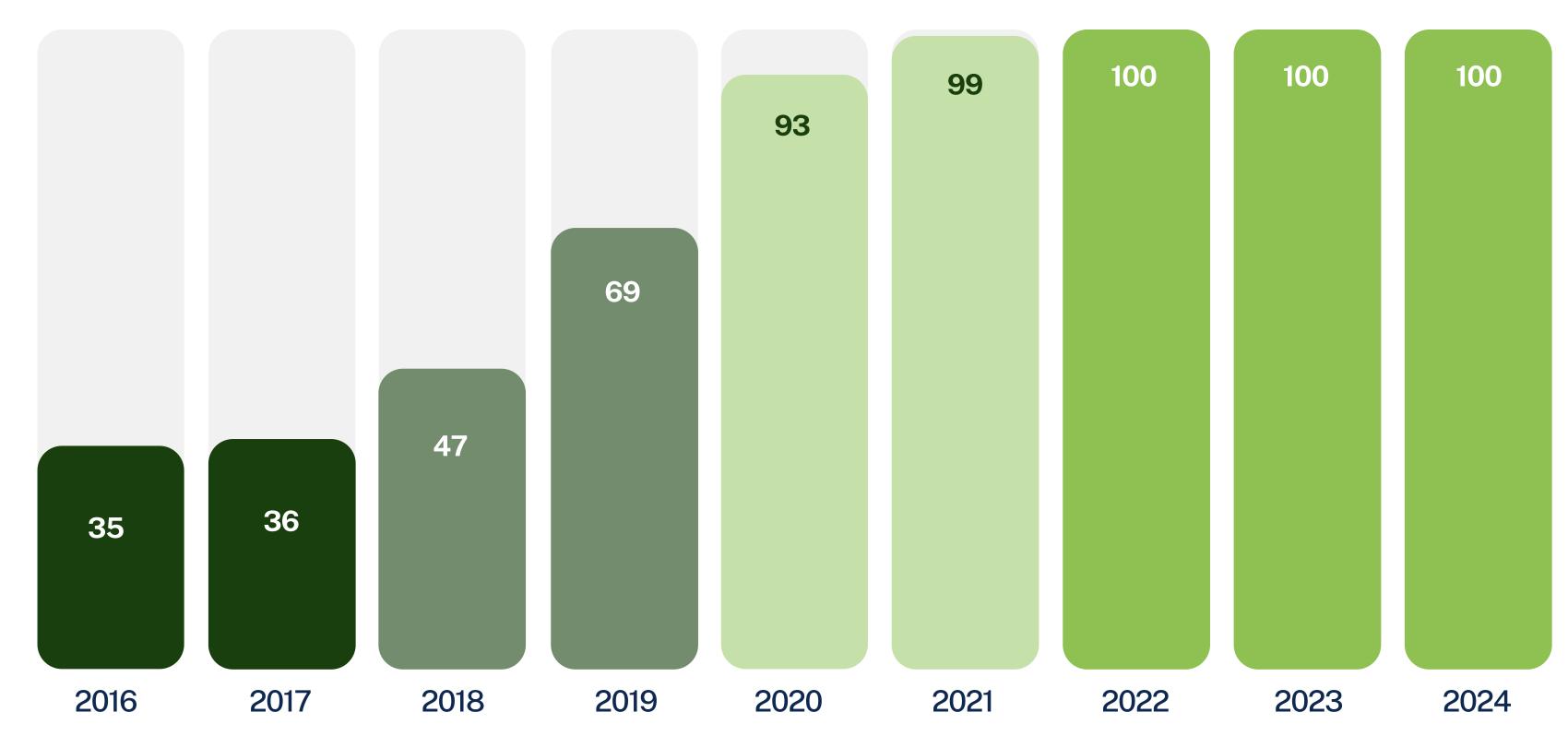
Transport Sector Leader in global sustainability assessment

For a 4th consecutive year, Porterbrook has been named Sector Leader in the annual GRESB assessment. In 2024 we maintained a top score of 100/100 for the 3rd year and retained our fivestar rating.

GRESB, now in its 15th year, assesses and benchmarks the ESG performance of assets worldwide, providing clarity and insights to financial markets on complex sustainability.

"GRESB Sector Leaders help set the pace for the industry, leading the way towards a more sustainable future. We are both proud of and encouraged by this year's Sector Leaders for their dedication, leadership, and commitment to ESG principles and sustainability" said Sebastien Roussotte, CEO of GRESB.

The result reflects Porterbrook's ongoing efforts to embed ESG principles across its activities and investments, covering key management and performance initiatives including climate risk and opportunities.





GRESB INFRASTRUCTURE sector leader 2024 We are proud to have retained our Global Sector Leader status and five-star rating. This further demonstrates our commitment to continuously improve and review our ESG performance, while encouraging and supporting the railway to embrace a sustainable and resilient future.

Mary Grant, Porterbrook CEO





You can find out more about how Porterbrook manages sustainability by visiting our website: Sustainability · Porterbrook

We welcome feedback from our stakeholders. Should you have any comments, thoughts or ideas on how we might improve, please email to sustainability@porterbook.co.uk



