Sustainability
at Howorth Air Tech

Carbon Reduction Plan

2025 (January to December)

Produced with the support of

LITMUS Sustainability

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Our Commitment to Net Zero

Howorth Air Technology Limited is committed to achieving Net Zero emissions by 2050.

Baseline Year

Baseline emissions are a record of the greenhouse gases (GHGs) that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured. Our organisational boundary is defined using the operational control approach.

Baseline Year: 2022 (January to December)

Additional Details relating to the Baseline Emissions calculations.

Howorth Air Tech's emissions reporting began in the 2022 reporting year. Our initial 2022 baseline covers Scope 1 and 2 emissions and a subset of Scope 3 based on operational control, including: Fuel-and Energy Related Activities (3.3), Upstream Transportation and Distribution (3.4), Waste Generated in Operations (3.5), Business Travel emissions from grey fleet (3.6), and Staff Commuting (3.7).

Upstream Transportation emissions cover the outbound journeys we arrange with our logistics partners, which account for the vast majority of customer deliveries. Reported emissions do not currently cover the inbound transport of goods from suppliers due to a lack of accessible data. Our 2022 emissions for this category are estimated based on 2024 figures. We have no material Downstream Transportation & Distribution emissions to report. Staff Commuting figures include homeworking, air travel and transport calculations include radiative forcing where possible and we use life cycle emission factors for Scope 3 activities wherever possible.

From 2023, we expanded our Scope 3 reporting to include Purchased Goods & Services (3.1) and coverage of Business Travel emissions (3.6) expanded to include flights, trains and taxi usage. Purchased Goods & Services emissions are calculated on a spend basis based on the suppliers that together make up 90% of our spend on goods and services not otherwise covered in other emissions categories.

From 2025, we have expanded our Scope 3 reporting further to include Use of Sold Product (3.11), covering the estimated lifetime electricity consumed by products sold in the reporting year. We have also expanded our reporting to include our wholly owned US subsidiary Howorth Air Technology, Inc. As a result, our 2025 reporting onwards covers global emissions from the Howorth Group.

Emissions	Total (tCO_2e)
Scope 1	**231.41**
Scope 2	**33.45** market-based / **33.45** location-based
Scope 3	**415.67**
Total Emissions	**680.52** market-based / **680.52** location-based[1]

[1] Market-based emissions take into account electricity purchasing choices (e.g. a renewable electricity tariff). Location-based emissions are calculated based on the average emissions intensity of the electricity grid, regardless of purchasing choices.

Baseline Year Emissions Breakdown

Scope 1	Tonnes CO_2e[2]
1.1 Stationary Combustion	62.85
1.2 Mobile Combustion	168.07
1.3 Fugitive Emissions	Excluded (immaterial, <1)
1.4 Process Emissions	Excluded (not applicable)
Scope 2	
2.1 Electricity (location based)	33.45
2.1 Electricity (market based)	33.45
2.2 Heat and Steam	Excluded (not applicable)
Scope 3 (Upstream)	
3.1 Purchased Goods & Services	Excluded (not measured)
3.2 Capital Goods	Excluded (not measured)
3.3 Fuel & Energy Related Activities (location-based)	62.57
3.4 Upstream Transportation & Distribution	103.73
3.5 Waste Generated in Operations	2.89
3.6 Business Travel	39.43
3.7 Employee Commuting & Homeworking	207.05
3.8 Upstream Leased Assets	Excluded (not applicable)
Scope 3 (Downstream)	
3.9 Downstream Transportation & Distribution	0.00
3.10 Processing of Sold Products	Excluded (not applicable)
3.11 Use of Sold Products	Excluded (not measured)
3.12 End-of-Life Treatment of Sold Products	Excluded (not measured)
3.13 Downstream Leased Assets	Excluded (not applicable)
3.14 Franchises	Excluded (not applicable)
3.15 Investments	Excluded (not applicable)

[2] Due to rounding, breakdown figures may not add up exactly to the total stated emissions.

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Current Emissions Reporting

Current Year: 2025 (January to December)

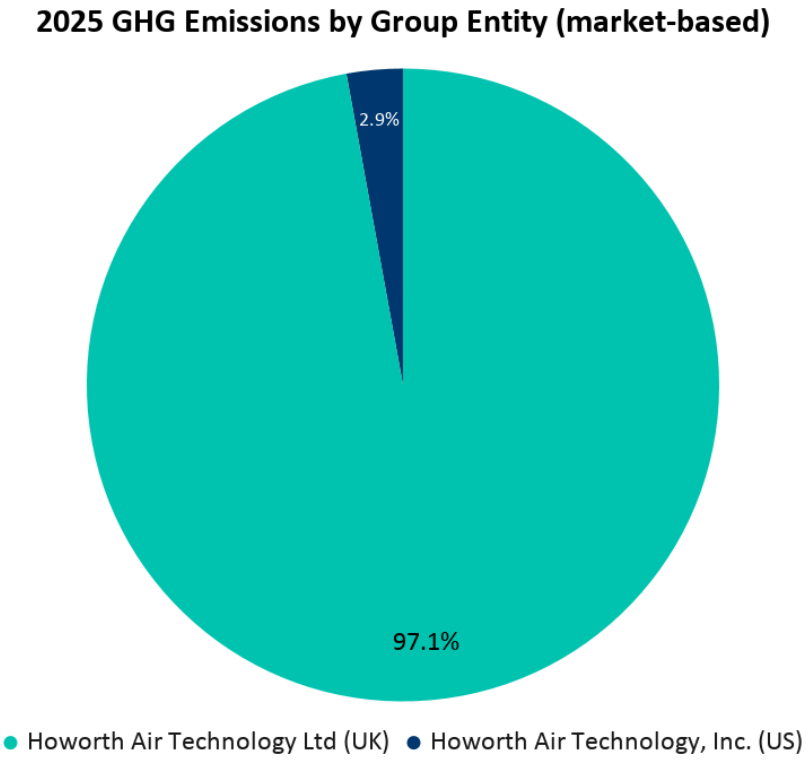
Additional Details relating to the Current Year emissions calculations.

From 2025, we have expanded our Scope 3 reporting further to include Use of Sold Product (3.11), covering the estimated lifetime electricity consumed products sold in the reporting year. We have also expanded our reporting to include our wholly owned US subsidiary Howorth Air Technology, Inc.

As a result, our 2022 baseline emissions are therefore not directly comparable with our 2025 global total.

We are committed to continuous improvement in our emissions data, and recalculation of previous years will be implemented in future reports if necessary to maintain an effective base year comparison.

Emissions	Total (tCO_2e)
Scope 1	**216.45**
Scope 2	**2.84** market-based / **32.13** location-based
Scope 3	**5,961.74**
Total Emissions	**6,181.04** market-based / **6,210.33** location-based



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Current Year Emissions Breakdown

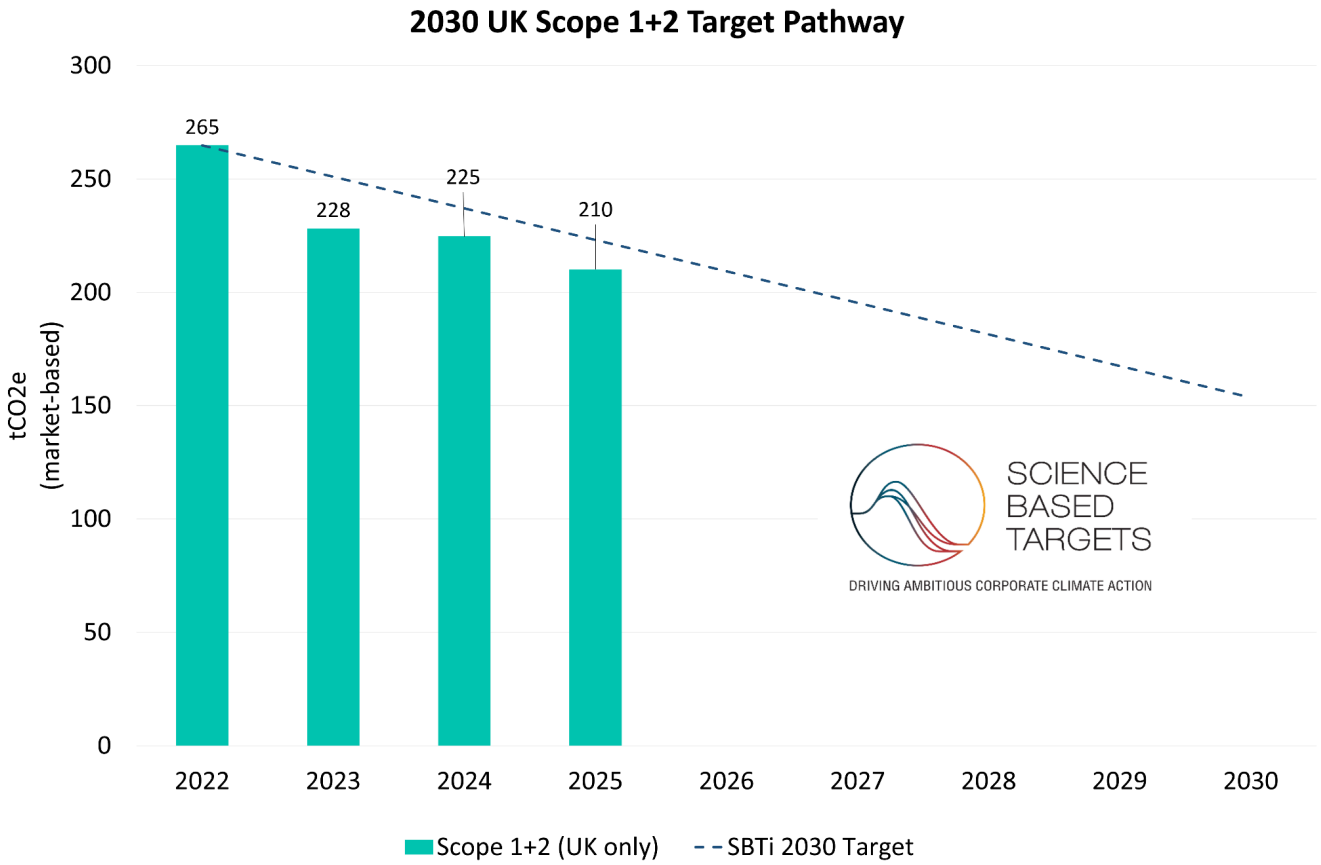
Scope 1	Tonnes CO_2e
1.1 Stationary Combustion	16.71
1.2 Mobile Combustion	199.74
1.3 Fugitive Emissions	Excluded (immaterial, <1)
1.4 Process Emissions	Excluded (not applicable)
Scope 2	
2.1 Electricity (location based)	32.13
2.1 Electricity (market based)	2.84
2.2 Heat and Steam	Excluded (not applicable)
Scope 3 (Upstream)	
3.1 Purchased Goods & Services	3,069.64
3.2 Capital Goods	Excluded (immaterial, <1)
3.3 Fuel & Energy Related Activities	62.61
3.4 Upstream Transportation & Distribution	242.37
3.5 Waste Generated in Operations	3.25
3.6 Business Travel	153.38
3.7 Employee Commuting & Homeworking	252.30
3.8 Upstream Leased Assets	Excluded (not applicable)
Scope 3 (Downstream)	
3.9 Downstream Transportation & Distribution	0.00
3.10 Processing of Sold Products	Excluded (not applicable)
3.11 Use of Sold Products	2,178.20
3.12 End-of-Life Treatment of Sold Products	Excluded (immaterial, <1)
3.13 Downstream Leased Assets	Excluded (not applicable)
3.14 Franchises	Excluded (not applicable)
3.15 Investments	Excluded (not applicable)

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Emissions Reduction Targets

Howorth Air Tech has committed to a long-term target of achieving net zero by 2050.

In order to continue our progress to achieving net zero, we have also set a near-term carbon reduction target for our Howorth Air Technology Limited (UK) operations, which accounted for 97% of total group emissions in 2025. Howorth Air Technology Limited has committed to reducing market-based Scope 1 and Scope 2 GHG emissions by 42% by 2030 from a 2022 base year, in addition to measuring and reducing Scope 3 emissions. The Science Based Targets initiative (SBTi) has formally validated our near-term science-based emissions reduction target and we remain on track to achieve it. Our UK market-based Scope 1 and 2 emissions were 21% lower in 2025 compared to 2022.



Progress to date

Scope	Baseline Year (UK)	Current Year (UK)	Current Year (US)	Current Year (Global)
Scope 1	231.41	210.06 (-9%)	6.40	216.45
Scope 2 Market-based Location-based	 33.45 33.45	 0.00 (-100%) 29.29 (-12%)	 2.84 2.84	 2.84 32.13

Scope 3 Baseline Categories* All Categories**	415.67	545.92 (+31%) 5,793.76	167.98 167.98	713.90 5,961.74
Total (market-based) Baseline Categories All Categories	**680.52**	**755.97** (+11%) **6,003.82**	**177.22** **177.22**	**933.19** **6,181.04**

*Fuel and Energy Related Activities (3.3), Upstream Transportation & Distribution (3.4), Waste (3.5), Business Travel (3.6), Staff Commuting (3.7), Downstream Transportation & Distribution (3.9).
**Baseline categories plus Purchased Goods & Services (3.1) and Use of Sold Product (3.11).

Annual UK Scope 1 emissions have reduced by 9% since baseline due to a significant reduction in natural gas consumption at our sites, while market-based Scope 2 emissions have been eliminated via 100% REGO-backed renewable tariffs covering all of our UK sites.

Meanwhile, Scope 3 emissions have increased since 2022 due to business growth. Based on the six initial Scope 3 categories reported in our baseline year, Howorth Air Technology Limited's total UK emissions were 11% higher in 2025 compared to 2022 (see table below). However, our annual revenue was 23% higher in 2025. This equates to an approximately 10% reduction in emissions intensity per unit of revenue compared with 2022.

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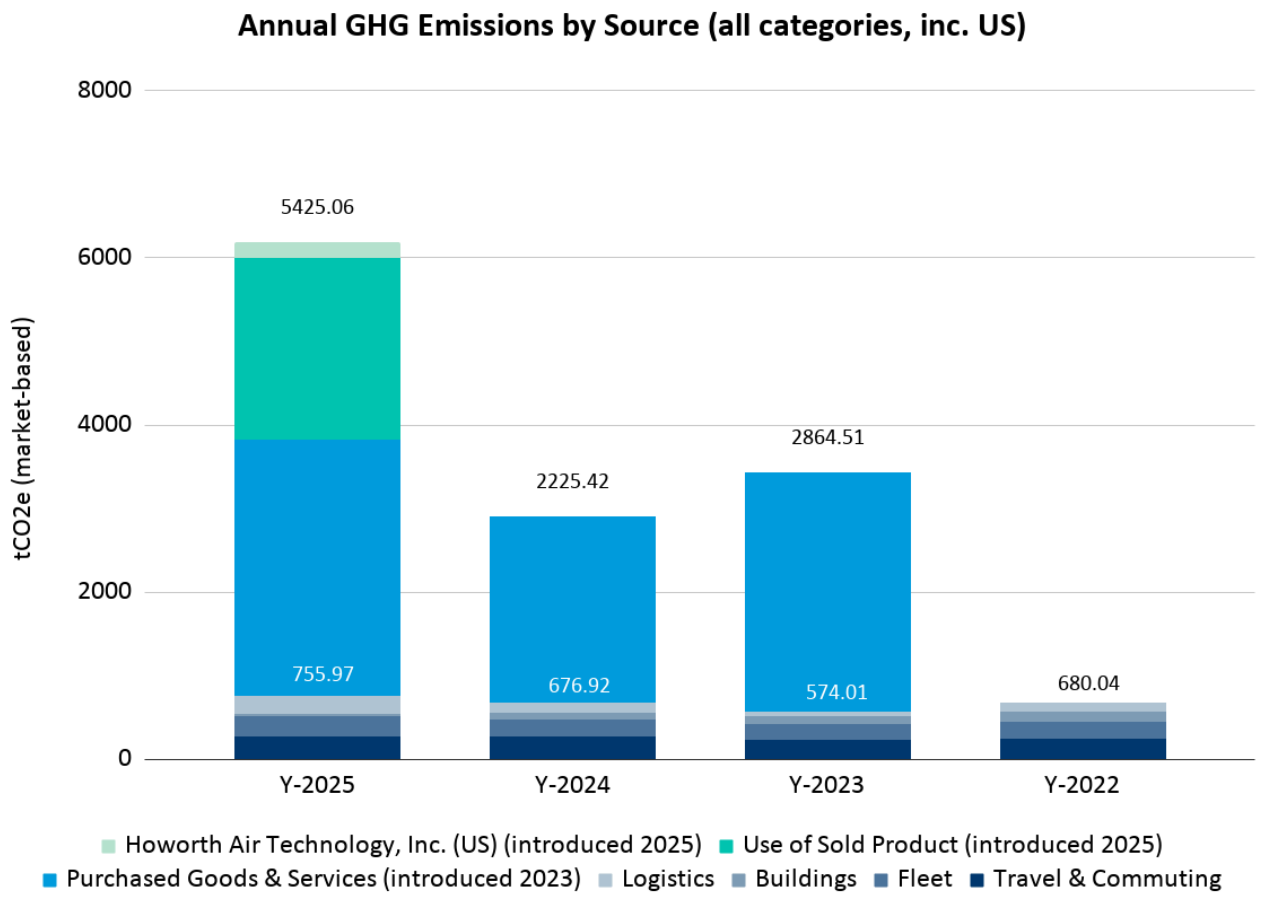
Carbon Reduction Projects

As a responsible organisation we are committed to doing the right thing for the future of our business, our people, our communities, and our planet.

Climate action is a key part of the Cleaner Environment pillar of our Sustainability at Howorth Air Tech framework, which informs all of our sustainability activities. This includes taking ambitious measures to bring down our greenhouse gas emissions in line with science-based targets.

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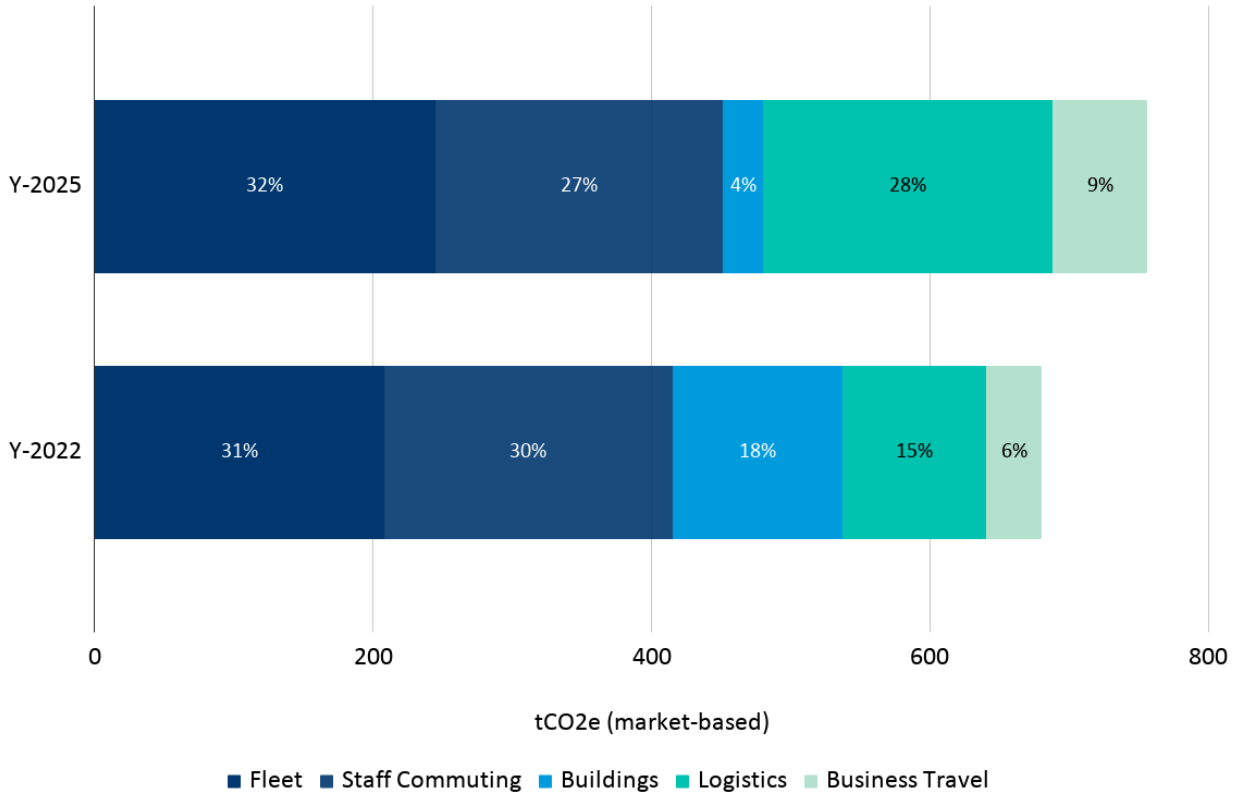
A materiality analysis of our current and historical emissions, showing the key contributors to our carbon footprint, is shown in the charts below.



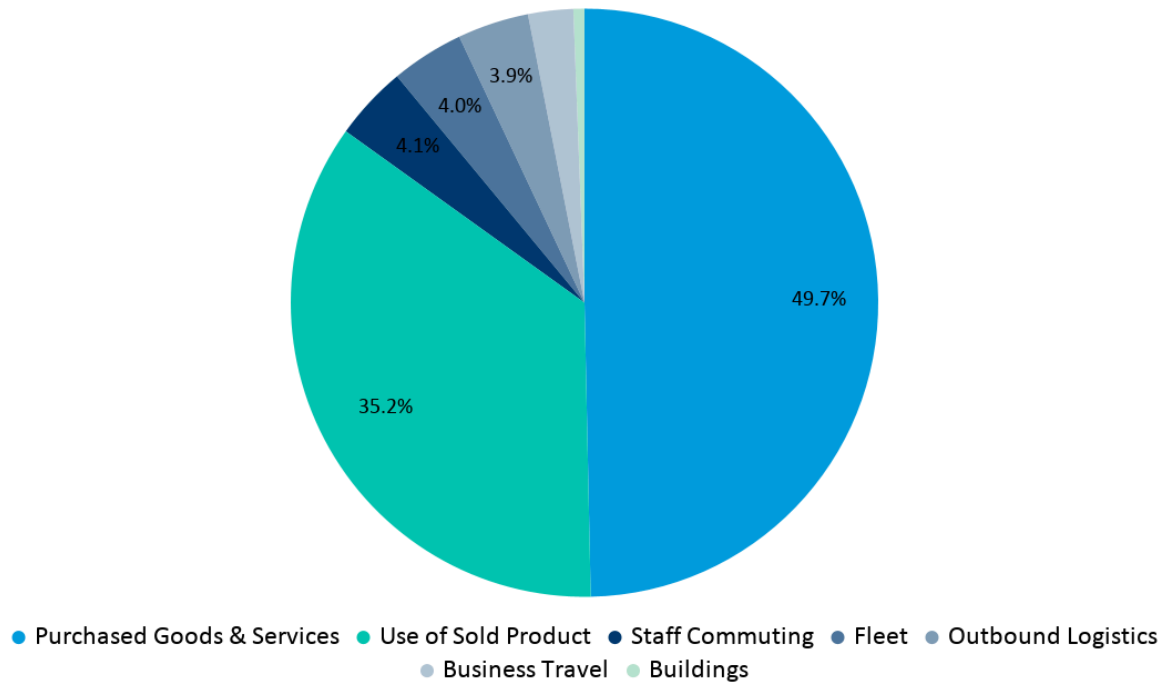
*Howorth Air Technology, Inc. includes US-based buildings and fleet, business travel, staff commuting and outbound logistics.

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Current vs Baseline GHG Emissions by Source (baseline year categories only, exc. US)



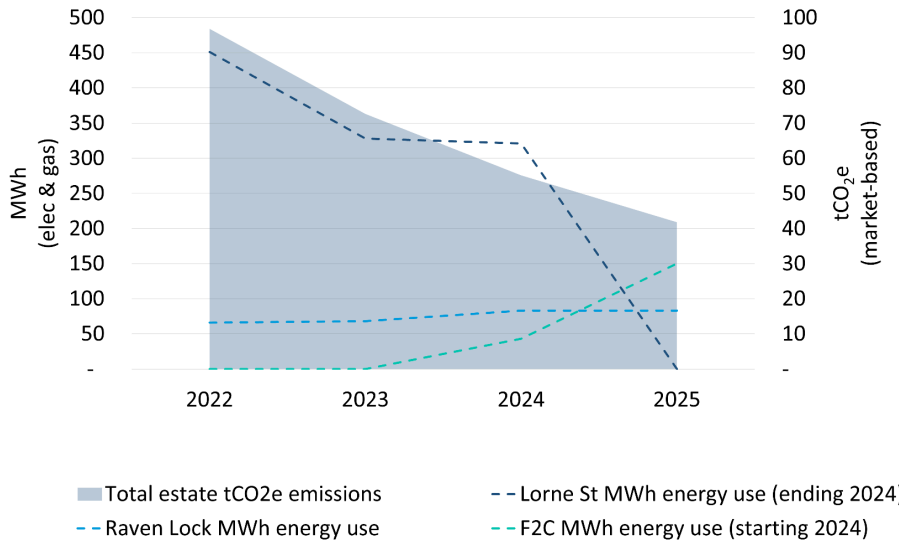
2025 GHG Emissions by Source (all categories, inc. US)



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Current & Completed Carbon Reduction Initiatives

We have completed or are currently working on the following measures:

Measure Description	GHG Category
Buildings Over the course of 2024 we moved out of our largest UK site to a more modern building that is better suited to retrofitting for energy efficiency and decarbonisation over the coming years. 2025 marked the first full year of working from two sites rather than three, which resulted in a 15 tCO_2e (-7%) reduction in UK market-based Scope 1 and 2 emissions compared to 2024. Measures under consideration for our new site include rooftop solar and staff energy efficiency training. The new site also has wellbeing facilities for cycling commuters. **Annual Energy Use and GHG Emissions from Buildings**  	Stationary Combustion, Electricity
Reporting & disclosure A significant amount of progress has been made since 2022 to build the groundwork for future projects by improving our reporting and measurement practices, which has resulted in Howorth achieving the EcoVadis Silver standard and Science Based Targets initiative (SBTi) validation for our 2030 emissions reduction target. In 2025, we also achieved a CDP score of B (the highest available to SME businesses in 2025) for climate change disclosure. Since 2022, we have greatly expanded our data capture for Scope 3 and are now able to report against almost all material aspects of our footprint, including Use of Sold Product and our sister operations in the US. This means we now have a clear picture of our climate impact across almost all emissions sources.	Cross-cutting

Renewable electricity We have gradually increased the share of renewable electricity in our energy procurement since 2023. As of the end of 2024, all of the electricity we consume in the UK is backed by independently assured Renewable Energy Guarantee of Origin (REGO) certificates from solar, wind, tidal, hydroelectric or biomass sources. This has led to a significant decrease in market-based emissions from energy use across our estate. However, we will continue to report our location-based electricity emissions annually and take measures to reduce electricity consumption on an absolute basis.	Electricity
Commuting & travel To encourage and incentivise more sustainable methods of commuting, we now have a Cycle to Work scheme and EV Salary Sacrifice scheme in place for our workforce. Early uptake of EV Salary Sacrifice is expected to deliver an estimated 79,000 miles of zero tailpipe emissions per year, saving around 20 tCO_2e.	Business Travel, Staff Commuting
Product footprinting We recognise that our products have a continued impact once they reach our customers, through the electricity they consume over their lifecycle. The estimated lifetime emissions from all sold products in 2025 amounted to 2,178 tCO_2e, or 35% of our overall emissions. We have started to offer upgrades to reduce emissions for our customers, for example by retrofitting high efficiency LEDs into our downflow booths. These efforts will help reduce our product lifecycle emissions. In 2026, we started a process to calculate full cradle-to-grave product footprints for our products. We plan to begin sharing this information with our customers in 2027.	Use of Sold Products, Purchased Goods & Services

Future Initiatives

To keep on track to our targets we are committing to implementing the following initiatives in future:

Measure Description	GHG Category
Eco driver training & optimisation Our company vehicles were responsible for over 90% of our market-based Scope 1 and 2 emissions in 2025. In the UK, we plan to analyse our vehicle usage data to investigate how we may be able to use vans more efficiently between hubs across the country to minimise movement of goods. We will also explore options for training and incentives to reduce fuel consumption through improved driving habits.	Mobile Combustion

Fleet electrification Long-term, Howorth's single largest direct emissions reduction opportunity is to electrify our fleet of vans. We are analysing our vehicle usage data to identify the most suitable vans for replacement and will begin investing on a case-by-case basis as and when it is feasible to do so.	Mobile Combustion
Workforce engagement We plan to roll out awareness training for our staff to embed a more sustainable, energy efficient culture in the workplace and encourage uptake of initiatives to bring down commuting and travel emissions, such as our Cycle to Work and EV Salary Sacrifice schemes.	Cross-cutting
Supplier engagement We are working with external sustainability specialists to more accurately map and calculate the impact of our supply chain. We now have a spend-based understanding of our emissions from Purchased Goods & Services, which has identified our largest emissions hotspots. Moving forward, we plan to update our calculations from spend-based estimates to more accurate activity data where possible, and engage with key suppliers to understand their own net zero plans.	Purchased Goods & Services

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard[1] and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[2].

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard[3].

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:



Name: John Hale

Position: Chief People & Excellence Officer

Date: 5th October 2026

[1] https://ghgprotocol.org/corporate-standard
[2] https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting
[3] https://ghg protocol.org/standards/scope-3-standard

This Carbon Reduction Plan was produced with the support of Litmus Sustainability.