



Carbon Reduction Plan For Lazerbeam

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Lazerbeam Fire & Security

**positive
planet**

Company Details

Supplier Name: Lazerbeam Fire & Security Ltd

Company Registration Number: 08806054

Our Commitment

Lazerbeam is committed to achieving Net Zero emissions by 2040.

What does Net Zero mean in practice?

To achieve Net Zero, we will be aiming to reduce emissions in line with the latest science-based targets (SBTs). SBTs are greenhouse gas reduction goals set by organisations, they are defined as “science-based” when they align with the scale of reductions required to limit global temperature increases to 1.5°C compared to pre-industrial temperatures. To achieve Net Zero under this scenario, we will need to reduce our absolute emissions by 90% from our base year.

SBTi recommends that organisations commit to near-term targets (that cover a minimum of 5 years/maximum of 10 years from the base year), as well as long-term targets.

Our near-term targets:

- Reduce scope 1 & market-based scope 2 emissions to zero by 2030.
- Reduce measured scope 3 emissions by 18% from our base year by 2026.
- Reduce measured scope 3 emissions by 30% from our base year by 2030.

Our long-term targets:

- Reduce total market-based emissions (scope 1, 2 and 3) by at least 90% by 2040.
- Neutralise any residual emissions using verified carbon offsets.

Scope 1 emissions: direct greenhouse gas emissions that occur from sources owned or controlled by a company, such as emissions from the combustion of fuels in on-site boilers, furnaces, or vehicles.

Scope 2 emissions: indirect greenhouse gas emissions that result from the generation of purchased electricity, steam or other forms of energy consumed by a company.

Scope 3 emissions: all other indirect greenhouse gas emissions that occur in an organisation’s value chain, including emissions from upstream and downstream activities.

Our Carbon Footprint

Base Year Emissions Footprint

Base year emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Base year emissions are the reference point against which emissions reduction can be measured. We have chosen to adjust our base year following the incorporation of all upstream scope 3 categories into our emissions inventory. The base year period is 1 April 2023 – 31 March 2024.

Base Year: FYE 2024	
Base year emissions have been restated in line with updates to UK Gov published spend- and activity-based emission factors used in emissions calculations. The base year measurement has also been updated to include job materials and hardware. The baseline measurement will be updated in line with updates to emissions accounting methodologies, relevant emission factors or other influencing factors to ensure future measurements are comparable. The base year measurement will be restated if a revision to emission factors used occurs, major methodological updates are published, improved data becomes available or organisational change causes a significant change in base emissions (+/- 5%).	
Category	Total (tCO ₂ e)
Scope 1	11.8
Scope 2*	Market-based: 14.1 Location-based: 10.2
Scope 3 including: - Purchased Goods and Services - Capital Goods - Fuel & Energy Related Activities - Upstream Transportation & Distribution (<i>of which none due to the nature of spend-based factors used to account for hardware</i>) - Waste Generated in Operations - Business Travel - Employee Commuting & Homeworking	463.6
Total*	Market-based: 489.5 Location-based: 485.5

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*Purchased electricity can be measured in two ways. A location-based method reflects the average emissions intensity of grids on which energy consumption occurs (using mostly grid-average emission factor data). A market-based method reflects emissions from electricity that companies have purposefully chosen (or their lack of choice). A market-based method therefore takes into account the purchase of electricity via a verified renewable energy tariff. We have chosen to base our Net Zero target on a market-based methodology.

Carbon Intensity Metrics

Metric	tCO ₂ e / metric
Employees (per FTE)	25.8
Revenue (per £million)	122.4

Based upon 19 FTEs (full-time employee equivalents), and a £4 million revenue during the measurement period. We are using market-based emissions to calculate our intensity metrics.

Current Emissions Reporting

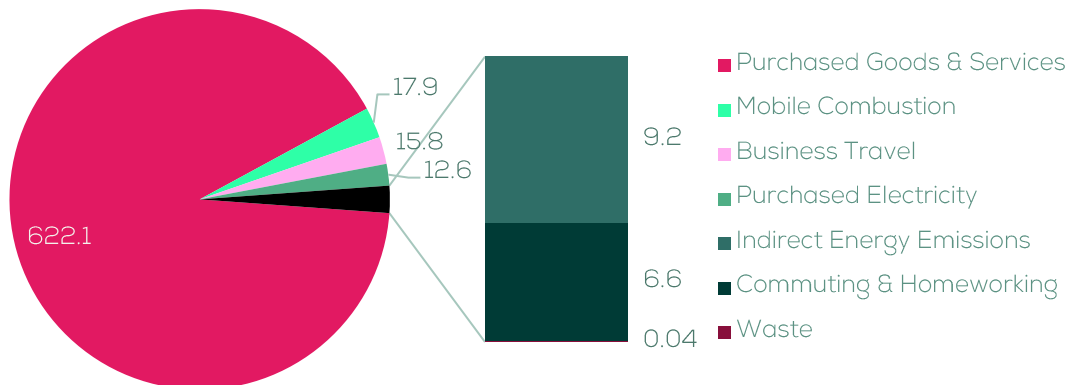
Current Reporting Year: FYE 2025	
Category	Total (tCO ₂ e)
Scope 1	13.4
Scope 2*	Market-based: 17.0 Location-based: 11.4
Scope 3 including: - Purchased Goods and Services - Capital Goods - Fuel & Energy Related Activities - Upstream Transportation & Distribution (<i>of which none due to the nature of spend-based factors used to account for hardware</i>) - Waste Generated in Operations - Business Travel - Employee Commuting & Homeworking	684.2
Total Emissions*	Market-based: 684.2 Location-based: 678.6

Carbon Intensity Metrics

Metric	tCO ₂ e / metric
Employees (per FTE)	45.6
Revenue (per £million)	179.0

Based upon 15.0 FTEs (full-time employee equivalents), and a £3.8 million revenue during the measurement period. We are using market-based emissions to calculate our intensity metrics.

Emissions Breakdown (tCO₂e)



Carbon Reduction

Our Net Zero targets

Lazerbeam is committed to achieving Net Zero by 2040. To achieve Net Zero under this scenario, we will need to reduce our absolute emissions by 90% from our base year. To keep us on track, we have also set the following near-term targets to 2030.

Our near-term targets:

- Reduce our Scope 1 & 2 emissions to zero by 2030.
- Reduce our Scope 3 emissions by 18% from our base year by 2026.
- Reduce our Scope 3 emissions by 30% from our base year by 2030.

Our long-term targets:

- Reduce our total market-based emissions (scope 1, 2 and 3) by at least 90% by 2040.
- Neutralise any residual emissions using verified carbon offsets.

Progress

Category	Emissions (tCO ₂ e)		% Change
	Baseline year: FYE 2024	Current year: FYE 2025	
Scope 1	11.8	13.4	+13.6
Scope 2 (market-based)	14.1	17.0	+20.6
Scope 3	463.6	684.2	+47.6
Total emissions	489.5	684.2	+39.8

Category	Emissions (tCO ₂ e)		% Change
	Baseline year: FYE 2024	Current year: FYE 2025	
Employees (per FTE)	25.8	45.6	+76.7
Revenue (per £mil)	122.4	179.0	+46.2

Lazerbeam is off-track with regard to achieving near-term targets. Increase scope 1 emissions are the result of increased per mileage emission factors for the reporting year. While overall mileage decreased the increase in Gov published kgCO₂e / mile factors outweighed this. A move away from fossil fuel vehicles as and when current fleet reaches end of life will result in lower / mileage emissions intensity and demonstrate reduced emissions.

Market-based scope 2 emissions have increased due to a reduction the fuel mix disclosed by Lazerbeam's energy supplier. The procurement of a 100% renewable derived electricity tariff is required to reduce market-based emissions to zero by 2030.

Increased scope 3 emissions between the base and current reporting year are driven primarily by a 47.8% increase in Purchased Goods and Services emissions. Within this category the largest contributing factor is hardware purchased for delivery of works. A 51.8% increase in spending on hardware between the base and current reporting year is the primary driver behind increased emissions. This highlights the necessity of obtaining primary data around the embodied carbon associated with purchased goods, which will facilitate a move away from spend-based factors to estimate emissions while greatly improving oversight of the impact of goods purchased and inform decisions around purchasing low carbon options.

Completed Carbon Reduction Initiatives

The following emissions management measures and projects have been completed or implemented.

Activity	Completion Date	Scope
Commit to measuring carbon footprint of business activities year on year to gain an understanding of pinch points and regularly be making efficient and direct improvements to reduce these emissions. Appointed Positive Planet to support with calculating base year carbon footprint and reduction recommendations.	2023	1, 2, 3
Created a Green Team to lead initiatives. This team has been made up of two members of the organisation, one of which is a director, to support the roll out of initiatives and management of data, this includes sharing and collaborating throughout the organisation.	2023	1, 2, 3
Expanded the emission inventory to incorporate Purchased Goods & Services and Capital Goods categories, meaning all upstream scope 3 emissions are now included in reported emissions. Providing a more comprehensive understanding of Lazerbeam's impact.	2024	3
ISO 9001 certification. As part of this management system, Lazerbeam has put the following initiatives into place: - Mandated all suppliers deliver an environmental statement of their company as part of the procurement process - Switched all lights to LED - Installed PIR motion sensors in areas of the office - Encouraged car sharing policy - Started monitoring electricity use in the office to identify major energy drivers - Implemented a policy of switching off all electrical appliances at night and weekends - Encouraged only turning on the aircon when absolutely necessary	2010 (ISO 9001) 2022 (ISO 14001) (ISO 15001)	1, 2, 3
Lazerbeam has implemented a new purchasing policy, with all new vehicles purchased being BEVs or hybrids the proportion of internal combustion engine (ICE) vehicles in the fleet will decrease as vehicles are replaced.	2025	1, 2, 3

Future Carbon Reduction Plans

We are committing to action the following emissions management measures and projects in line with our Net Zero targets.

Reduction Plans – scope 1 & scope 2				
Activity No.	Activity	Target Date	Reduction Target	Category
1	Lazerbeam has committed to the purchase of BEV and hybrid vehicles as and when current fleet vehicles require replacement. Commercially viable electric vans pose the largest challenge with regard to complete fleet electrification, however, continual monitoring of market options will facilitate our near-term target to reduce scope 1 emissions to zero by 2030.	2030	100%	Mobile Combustion, Purchased Electricity (EVs)
2	Consider driver-efficiency training for company car users – this should demonstrate a reduction in total fuel/electricity use. <i>Tracking the benefits of this training is dependant on fuel/energy consumption tracking in place of mileage data currently used to calculate emissions.</i>	2027	Low-medium	Mobile Combustion Purchased Electricity (EVs)
3	Procure a 100% renewable electricity tariff. Switching to an energy tariff with 100% renewable (inc. nuclear) credentials will reduce market-based scope 2 emissions to 0 tCO ₂ e, achieving our near-term scope 2 target.	2025	100% (market-based)	Purchased Electricity

4	Total location-based electricity emissions (National Grid energy mix) were 11.44 tCO₂e in 2025 so there is an opportunity to reduce energy use. We will continue to encourage behaviour change initiatives within the workplace including clear messaging for turning off lights, monitors, computers, and other electrical appliances where appropriate. We will assign roles and responsibilities to Green Team members to drive this.	<i>ongoing</i>	Low (location-based)	Purchased Electricity
5	Continue to review opportunities to implement energy efficiency measures to reduce the overall amount of electricity consumed on site. Examples of reduction measures include: - upgrading lighting and introducing more sensor lighting, and aligning sensor times to usage patterns (eg 3 minutes for corridors, 20 minutes for working spaces) - installing timers on sockets/equipment to automatically turn appliances off during non-working hours - reviewing and renewing inefficient equipment (when at end of life), and actively consider the energy efficiency of equipment when new purchases are required (eg laptops, fridges, dishwashers)	<i>ongoing</i>	Medium (location-based)	Purchased Electricity
6	To completely reduce market and location-based energy emissions to zero, install on-site renewable energy generation technologies where feasible, such as solar PV panels and solar heating, to generate 100% of heating and energy demand. If the UK Grid is 100% powered by renewable energy before this point, your Scope 2 location-based (and market-based) electricity emissions will already be zero. You would still need to consider gas emissions unless removed (or better technology is available).	2030	100% (location and market-based)	Purchased Electricity

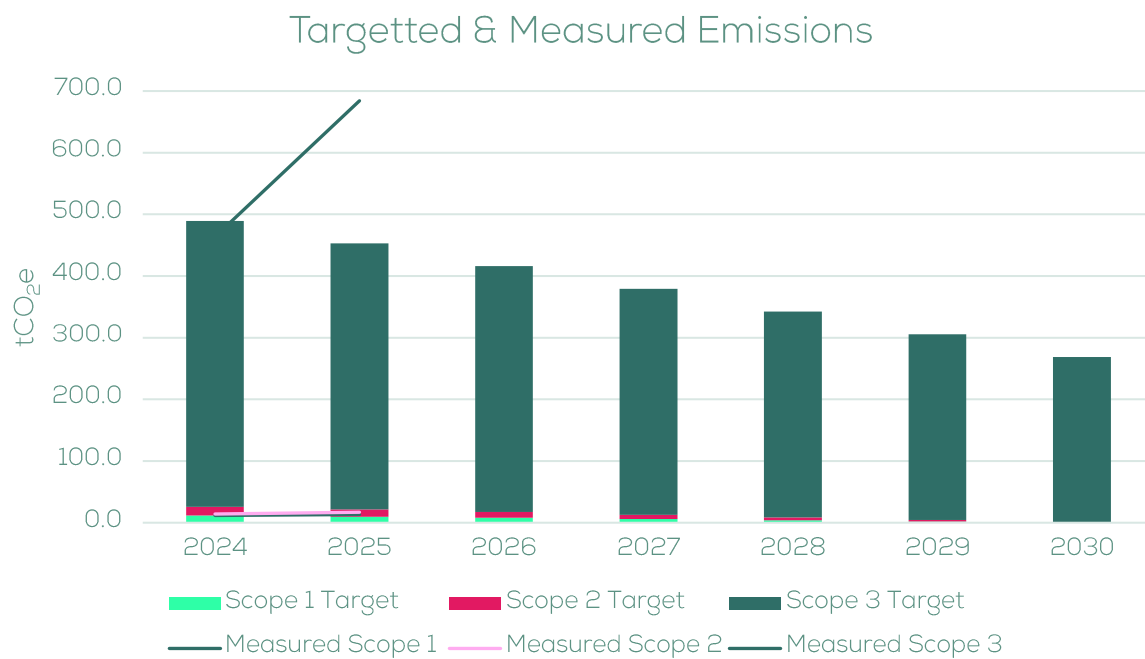
Based upon the above completed and planned initiatives, it is projected that scope 1 & 2 carbon emissions will decrease to **0 tCO₂e** by 2030.

We also aim to implement the further initiatives below to reduce Scope 3 emissions:

Reduction Plans – Scope 3				
Activity No.	Activity	Target Date	Reduction Target	Category
1	Commit to measuring the remaining downstream Scope 3 categories, meaning that year's carbon emissions measurement will be a full picture of Lazerbeam's carbon impact. Currently, the only missing categories are Use of Sold Products and Disposal of Sold Products, meaning that once these are measured, specific reduction activities targeted at these categories will be able to be created.	2028	-	Product emissions
2	Implement a Sustainable Procurement Policy. Encourage suppliers to adopt sustainable practices and improve their own carbon footprint through supplier engagement, procurement policies and contracts, and monitoring reporting mechanisms. Commit to a Sustainability Audit or Survey to request further information regarding credentials – Plan to send these to the top 5/10/20 suppliers by spend – in particular the suppliers of our sold products. This data collection will support our reduction journey by gathering important data for future measurement & encourage supply chain integration towards Net Zero. Complete this audit within two phases: 1. Identify suppliers for engagement 2. Formulate and collect data (survey/scoring) Once completed prioritise suppliers with lower carbon footprints as part of the above phased approach. This may also involve purchasing second hand/refurbished (furniture, IT equipment) and extending the lifespan of purchased items. Develop and monitor procurement policy for all new suppliers to align to Net Zero goals.	2025 - 2027	High	Purchased Goods & Services

3	Develop and implement a Sustainable Travel Policy to support environmental impact of choices when travelling, staying in hotels and commuting. The priorities within this policy will support active travel and low emission travel options where appropriate. Commit to offering support to workforce with options for active and low-carbon travel schemes examples of which may include: - Cycle to work schemes - Season ticket loans for public transport - Encouraging car sharing opportunities in locations where public transport is limited - Electric vehicle salary sacrifice schemes (where public transport is limited) Utilise the emissions travel hierarchy: - Digital communication - Walking and cycling - Public and shared transport - EV's and car sharing/clubs - ICE vehicles and car sharing/clubs - Air travel	2026	Medium-high	Business Travel Commuting
4	Review the energy efficiency of our fire and security products, and commit to only purchasing products that are energy efficient.	2029	Medium	Use of Sold Products (not yet measured)
5	Review our sold products to ensure we are buying fire and security products with a long lifespan, in order to reduce unnecessary replacements.	2029	Medium	Disposal of Sold Products (not yet measured)

Based upon the above completed and planned initiatives, it is projected that (as a minimum) scope 3 carbon emissions will decrease from the base year measurement of 463.6 tCO_{2e} to 324.5 tCO_{2e} by 2030. This is a reduction of 30% and will keep us on track to Net Zero.



Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 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 Management Plan has been reviewed and approved by the Lazerbeam's Executive Team.

Signed on behalf of Lazerbeam:



Name: Lenka Foukalova

Position: Quality Manager

Date: 1.8.2025

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>