

# Carbon Reduction Plan

**Client name:** EDAN UK

**Company Registration Number:**

**Published date:** 30th January, 2023

## Commitment to achieving Net Zero

EDAN UK is committed to achieving Net Zero emissions by 2035.

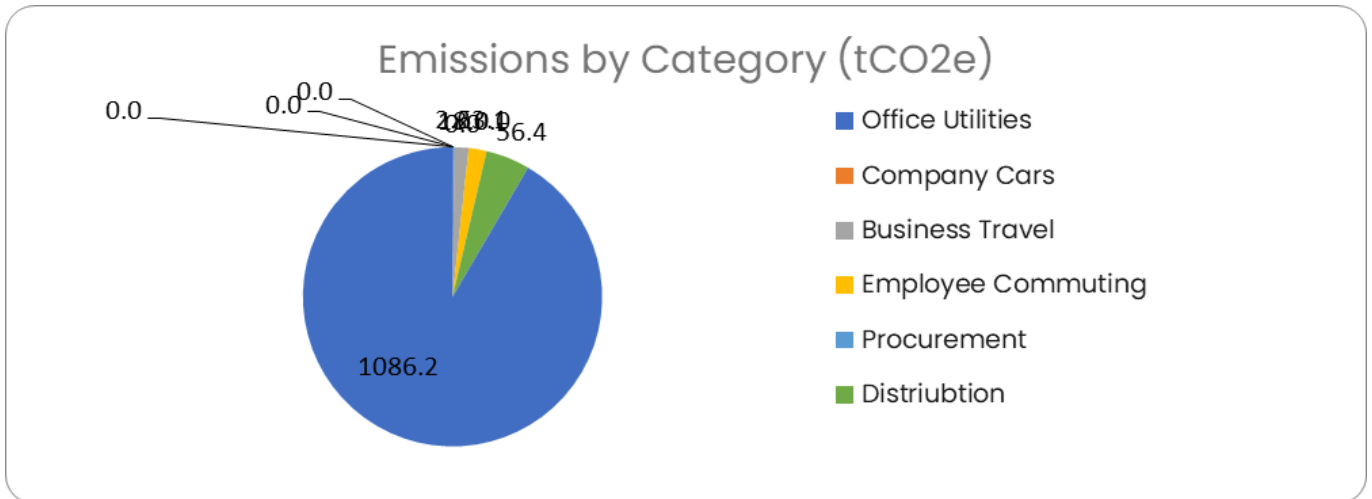
## Baseline Emissions Footprint

Baseline 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. Baseline emissions are the reference point against which emissions reduction can be measured. We have chosen our baseline year to be January 2022 - December 2022.

<b>Baseline Year: 2022</b>	
The current reporting year (January 2022 – December 2022) is the first year that we have measured and reported our carbon footprint, and will serve as the baseline year for future measurements.	
<b>Baseline year emissions: 2022</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	0.7
Scope 2	Market-based: 1.858 Location-based: 3.381
Scope 3 including: <ul style="list-style-type: none"> <li>● Fuel &amp; Energy Related Services</li> <li>● Business Travel</li> <li>● Transportation &amp; Distribution (Upstream &amp; Downstream)</li> <li>● Employee Commuting &amp; Homeworking</li> <li>● Operational Waste &amp; Water</li> </ul>	1183.6
<b>Total Emissions</b>	<b>Market-based: 1186.16 Location-based: 1187.68</b>

Our total emissions equate to a Carbon Intensity Metric of **131.8 tCO<sub>2</sub>e per full-time employee equivalent** (FTE) based on **9 FTEs** during the baseline period (using market-based emissions).

*\*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.*



### **Emissions reduction targets**

EDAN UK is committed to achieving Net Zero by 2035.

To achieve Net Zero we will need to reduce our absolute emissions by 90% from our baseline year and offset any residual emissions. To track our progress towards our long-term Net Zero target, we have also set some near-term targets to 2030.

Our near-term targets:

- Reduce scope 1 and 2 emissions to zero by 2030.
- To procure 80% renewable electricity by 2025 and 100% by 2030.
- Reduce measured scope 3 emissions by 42% by 2030.
- Measure all scope 3 categories by 2025.

Our long-term targets:

- Reduce our total market-based emissions (scope 1, 2 and 3) by at least 90% by 2035.
- Neutralise any residual emissions using verified carbon offsets.

## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented. The carbon emission reduction achieved by these schemes equate to 0 tCO<sub>2</sub>e, the 2022 baseline and the measures will be in effect when performing the contract.

Activity	Completion Year	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. Year 1 appointed Positive Planet to support with calculating baseline carbon footprint and reduction recommendations.	2022	1,2,3
Created a Green Team to lead initiatives. This team has been made up of members from different departments to support the roll out of initiatives and management of data, this includes sharing and collaborating throughout the organisation.	2024	1,2,3

### Future Carbon Reduction Plans

In the future we hope to implement further measures such as:

REDUCTION PLANS – Scope 1 & Scope 2				
Activity No.	Activity	Target Date	% Reduction Target	Category
1	Ask the landlord to consider low-cost options such as reducing the boiler temperature and adding heat & solar control reflective window sheets. Consider planning for larger cost management (where appropriate) such as an efficient boiler system. Consider moving to premises without gas heating for 100% reduction is stationary combustion emissions.	2024	6%	Stationary Combustion

2	<p>Encourage the landlord/management company at the office to procure a 100% renewable electricity tariff. This change will reduce <b>market-based</b> emissions (from chosen tariff) from the office (common areas) to 0 tCO<sub>2</sub>e.</p>	2024	100% (market-based)	Purchased Electricity
3	<p>Total <b>location-based</b> electricity emissions (National Grid energy mix) are still 3.38 tCO<sub>2</sub>e so there is an opportunity to reduce energy use.</p> <p>We will implement behaviour change initiatives within the workplace for reduction of emissions, 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.</p> <p>High-level monitoring of energy use is key to understanding further pinch points.</p>	2023	20% (location-based)	Purchased Electricity
4	<p>Implement energy efficiency measures to reduce the overall amount of electricity consumed at sites. Optimise operational procedures and implement energy management systems (such as ISO 14001).</p> <p>Examples of reduction measures include:</p> <ul style="list-style-type: none"> <li>• upgrading lighting and introducing more sensor lighting, and aligning sensor time to usage patterns (eg 3 minutes for corridors, 20 minutes for working spaces)</li> <li>• installing timers on sockets/equipment</li> <li>• 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)</li> </ul> <p>Invite colleagues from different sites to openly explore challenges and barriers to collaboratively find solutions for reduction.</p>	2026	10% (location-based)	Purchased Electricity
5	<p>To completely reduce market and location-based energy emissions to zero, install on-site renewable energy generation technologies such as solar PV panels, solar heating, heat pumps (following an energy audit to assess feasibility and payback periods), to generate 100% of heating and energy demand. Consider removing on-site stationary combustion (gas) heating.</p>	2030	100% (location and market-based)	Stationary Combustion Purchased Electricity

	<p>Alternatively, encourage the landlord to do the above or consider moving site.</p> <p>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).</p>			
6	<p>Conduct a review of company vehicles to outline a strategy for company vehicle electrification:</p> <ul style="list-style-type: none"> <li>• Determine which vehicles to electrify first, dependent on which vehicles are used most, which vehicles are most polluting, and which vehicles are oldest</li> <li>• Determine if fleet size can be reduced by using active transport (such as using e-bikes or e-cargo tricycles for shorter use cases)</li> <li>• Determine a timeframe for vehicle electrification and commit to this</li> </ul>	2026	100%	Mobile Combustion Purchased Electricity (EVs)
7	<p>Consider driver-efficiency training for company car users – this should demonstrate a reduction in total fuel/electricity use.</p>	2025	10%	Mobile Combustion Purchased Electricity (EVs)

Based upon the above completed and planned initiatives, it is projected that Scope 1 & 2 carbon emissions will decrease to **0 tCO<sub>2</sub>e** by 2030.

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

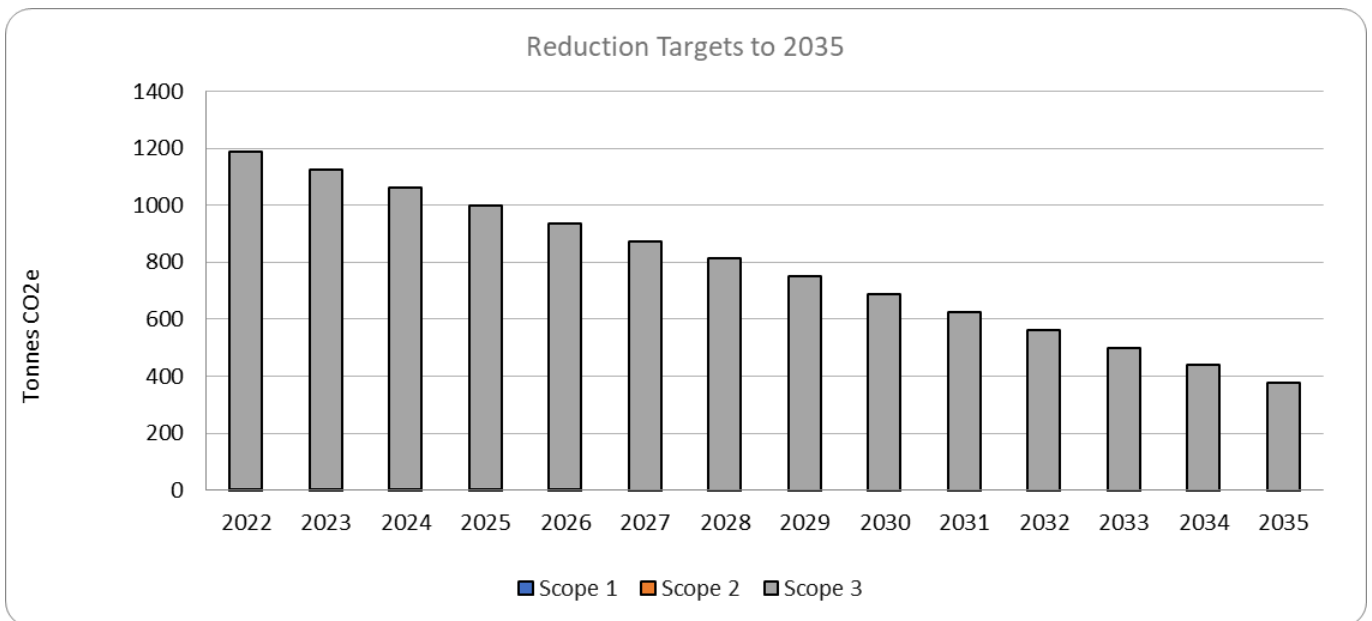
REDUCTION PLANS – Scope 3				
Activity No.	Activity	Target Date	% Reduction Target	Category
1	<p>Commit to measuring the remaining Scope 3 categories, meaning that year’s carbon emissions measurement will be a full picture of EDAN UK’s carbon impact.</p> <p>Most importantly, the largest missing categories are Purchased Goods &amp; Services, and Capital Goods, meaning that once these are measured, reduction activities targeted at these categories will be able to be created.</p>	2025	-	Purchased Goods & Services Capital Goods (Downstream Leased Assets Franchises and Investments (none))
2	<p>Consider training and engagement for the Green Team, leadership, and the wider employee base. Including and not limited to, creating spaces for environmental positive conversations (internal comms, newsletters, slack, Teams etc), certified Carbon Literacy Training for all applicable to roll out to further workforce and share with externals where appropriate. On average, certified learners reduce their carbon footprints by 5-15%, of which ~50% are work-related.</p>	2026	2.5 - 7.5%	Commuting & Home Working Business Travel
3	<p>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.</p> <p>Commit to a Sustainability Audit or Survey to request further information regarding credentials – plan to send these to the Top 10/20 suppliers by spend. This data collection will support reduction journey by gathering important data for year two measurement &amp; encourage supply chain integration towards Net Zero.</p>	2024 - 2027	20%	Purchased Goods & Services

	<p>Complete this audit within two phases:</p> <ol style="list-style-type: none"> <li>1. Identify suppliers for engagement</li> <li>2. Formulate and collect data (survey/scoring)</li> </ol> <p>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.</p>			
4	<p>Review logistics partners/couriers and utilise the above Sustainable Procurement Policy. Work with providers to gather their emissions data, and/or switch to lower-carbon providers.</p> <p>Prioritise purchasing from local suppliers to limit delivery mileage.</p>	2024 - 2027	20%	Upstream Distribution Downstream Distribution
5	<p>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.</p> <p>Monitor and consider alternatives to air-based travel as a priority and commit to offering support to workforce with options for active travel schemes; such as bike to work or car sharing opportunities.</p> <p>Utilise the emissions travel hierarchy:</p> <ul style="list-style-type: none"> <li>● Digital communication</li> <li>● Walking and cycling</li> <li>● Public and shared transport</li> <li>● EV's and car sharing/clubs</li> <li>● ICE vehicles and car sharing/clubs</li> <li>● Air travel</li> </ul> <p>Consider creative ways to engage and support workforce to influence change.</p> <p>Examples include setting an internal organisation carbon credit scheme (limit that to a number of tCO<sub>2</sub>e per year), extra holiday days for low emission travel choice, bonuses, subsidised</p>	2024	15%	Business Travel Commuting



	travel, and equal mileage payments for diesel/petrol/EVs/cycling.			
6	Liaise with key suppliers to see whether they can ship with the minimal amount of packaging needed to secure the product.	2024	25%	Waste

Based upon the above completed and planned initiatives, it is projected that (as a minimum) Scope 3 carbon emissions will further decrease over the next seven years from the current normalised measurement of **1183.60 tCO<sub>2</sub>e** to **375.8 tCO<sub>2</sub>e** by 2035. This is a reduction of **42%** year on year 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

This Carbon Management Plan has been reviewed and approved by EDAN UK Executive Team.

## **Signed on behalf of EDAN UK**



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Name: Margaret Juby  
Position: Company Secretary  
Date: 31st January 2024

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

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

<sup>3</sup> <https://ghgprotocol.org/corporate-value-chain-scope-3-standard>