

CARBON REDUCTION PLAN

Alcema, Alcema Construction & Alcema Fire Safety Limited is committed to achieving Net Zero emissions **prior to 2050**.

Baseline Emissions Footprint

Baseline Year: January to December 2022

Additional details relating to the Baseline Emissions calculations:

For the purposes of reporting, we have used available data for 2021. The baseline year does not include Scope 2 emissions for sites as all electricity is provided by our clients and we are therefore unable to quantify the usage from the available information.

We are going to adopt the following measures to reduce our carbon footprint:

- Replacement of existing lighting with low energy systems in our Head Office
- Adoption of a zero-emissions energy tariff for electricity
- Installing electric vehicle charging points
- Introducing employee electric car incentive scheme
- Converting site filing system to Cloud based to reduce paper and printing.

We have also optimised the use of video conferencing and encouraged working from home to eliminate unnecessary travel and maximise efficiency.

Our Carbon Reduction Plan will be published annually, with a review of our sustainability targets updated every two years.

We will report using an intensity ratio of tonnes CO₂e per employee, 22 in total therefore 3.03 tCO₂e per employee.

GHG Protocol Accounting Area	GHG Protocol Source of Emissions
Scope 1	Gas consumption for space and water heating in buildings
	Vehicle fuel consumption - company vans / plant and car allowance users
	Fuel consumption on building sites (gas, petrol, diesel purchased by Alcema & Alcema Fire Safety)
Scope 2	Electricity consumption in offices
	Electricity consumption on sites
Scope 3	Source 4 - Not currently included (upstream transportation emissions - goods to site)
	Source 5 - Waste generated in operations
	Source 6 - Business travel (not included in Scope 1 above)
	Source 7 - Employee commuting (not included in Scope 1 above)
	Source 9 - Not part of our business activity
	Reporting sources 1-3 and 8, 10-15 is not required under PPN/0621
Baseline 2022 Emissions:	
EMMISSIONS	TOTAL (Tco²e)

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Scope 1	39.34
Scope 2	2.82
Scope 3 (included sources)	24.52
Total Emissions	66.68

Emissions Reduction Targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We will adopt the following initial strategies to drive down emissions.

- We propose to introduce a policy to reduce carbon emissions over the next five years annually regarding travel, site and general day to day operations
- As part of our ISO-14001 accreditation we have partnered with ‘Go Green’ since 2018 to accurately measuring project carbon emissions and waste to landfill, achieving recycling/re-use 95% in 2020 to 97% in 2021 with a target of 100% by 2030 for new builds
- By 2035 we anticipate 100% electrification of the company fleet, including supply chain partners
- Increased adoption of MMC (Modern methods of Construction)
- Increasing carbon reduction retro-fit projects (including adoption of green technology e.g. LED/PIR lighting controls)

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21. Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Conversion Factors corporate standards and company reporting.

This Carbon Reduction Plan has been adopted and signed off by Jason Spencer, Managing Director.

Signed

Jason Spencer, MD, Alcema, Alcema Construction & Alcema Fire Safety Limited

Review Date: 01/02/2025
 Next Review: 01/02/2026

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