

## Mawdsley-Brooks & Company Limited (“Mawdsleys”) Carbon Reduction Plan

**Publication date: 1<sup>st</sup> November 2023**

### Commitment to achieving Net Zero

Mawdsleys is committed to achieving ‘Net Zero’ carbon emissions by 2045.

Mawdsleys recognises that as a business we need to act responsibly to protect the environment, minimise our carbon footprint and improve sustainability across our business units to help combat global warming and pollution.

### The Journey to Net Zero

In 2022 we engaged environmental consultancy Delta Simons, a ‘Beyond Net-Zero’ company, which supported us with the preparation of a carbon footprint assessment (with baseline emissions for 2021), the development of science-based carbon reduction targets and the production of a detailed carbon reduction plan.

Baseline emissions are the reference point against which emissions reduction can be measured. This is the first time that Mawdsleys has undertaken a comprehensive and detailed evaluation of its carbon footprint, therefore the 2021 benchmark assessment will form the baseline against which to track our progress in future years.

### What has been included in the benchmark report

Scope	Emissions Category/Source	Included	Comments
Scope 1	Natural gas	Yes	
	Company fleet	Yes	Includes company owned and leased vehicles for business travel and downstream distribution of goods
	Refrigerated gases	Yes	
Scope 2	Electricity	Yes	100% of procured electricity is on 100% renewable energy tariff with REGO certificates
Scope 3	Purchased goods and services	Partial	Water consumption and refreshments only. Further category 1
	Capital goods	No	Excluded due to the complexity of the information provided. This will be reviewed in future reporting years
	Fuel and energy related activities	Yes	Well-to-tank and electricity transmission and distribution
	Upstream transportation and distribution	Yes	International and wholesale import based on tonnes.km estimation
	Waste generated in operations	Yes	

	Business travel	Yes	
	Employee commuting	Yes	
	Downstream transportation and distribution	No	Included in Scope 1 reporting
	Upstream leased assets	N/A	Not applicable
	Processing of sold products	No	This will be reviewed in future reporting years
	Use of sold products	No	This will be reviewed in future reporting years
	End of life sold products		This will be reviewed in future reporting years
	Downstream leased assets	N/A	Not applicable
	Franchises	N/A	Not applicable
	Investments	N/A	Not applicable

### Summary GHG Emissions Results

Scopes	2021 tCO <sub>2</sub> e
Scope 1	4,090
Scope 2	0
Scope 3	967
<b>Total</b>	<b>5,058</b>

### Achieving Net Zero accreditation

Mawdsleys has also partnered with Ecologi, to fund verified Gold Standard carbon projects and offset 100% of the residual emissions resulting from its business operations in 2021. This included support for a wind power plant project in Brazil, across the Ventos do Piauí wind complex, composed of 7 wind power plants. It is estimated that the project will achieve an average, annual GHG emission reduction of approximately 430,000 tonnes CO<sub>2</sub>e for each year that it is operational, and that this will be for at least 10 years.



## Carbon Reduction Initiatives

### 2018

- First sites installed EV charging points.
- First sites installed motion sensor lighting.

### 2019

- First full EV cars added to fleet.
- Introduced segregation of office plastic, metal and plastic waste to improve recycling.
- Joined The Climate Group EV100 group of companies

### 2020

- Started to install “Trailer” PV units on the roofs of HGV and van fleets to help run on-board auxiliary systems linked to temperature-control resulting in a C.5% fuel reduction. This is now part of Mawdsleys’ standard vehicle specification.
- Implemented a cycle to work scheme.
- Started to switch sites over to LED lighting.
- Began to switch over to fully renewable electricity suppliers.

### 2021

- Placed first order for two fully EV temperature-controlled delivery vans.
- Refitted a site with double glazing and upgraded insulation to help reduce energy consumption.
- Implemented policy to ensure that all new company cars would be either EVs or hybrid vehicles.
- Switched all sites to fully REGO certified electricity supplier.
- Sourced new gas contact which includes 100% carbon offset.

### 2022

- Completed the installation of LED in all sites to reduce energy consumption.
- Concluded the fitting of EV charging points at all sites.
- Introduced driver monitoring software to help optimise route planning.
- Introduced incentives and rewards for efficient driving.
- Mawdsleys board authorised the purchase of carbon credit offsets.

### 2023 and beyond

- Installation of solar roofing on Mawdsleys’ 300,000 sq ft distribution depot in Doncaster, comprising a 1,688kW PV array and 2,600kWh battery, which is expected to generate up to 68% of the facility’s power requirements.
- Trialling the impact of reducing fridge temperatures (storing c.700 pallets) by 1.5 – 2°C to reduce energy consumption.
- Began move to new ERP and WMS systems that will result in the removal of 150 – 180 desktops PCs and reduce energy usage by approximately 120kwd per day.
- Began trial (delivered January 2023) of E-cool trailers for HGVs to assess their performance as a green replacement for standard diesel refrigerated units. The trailers have been designed to reduce emissions by converting kinetic energy generated by the trailer axle and brakes into electricity, that is then stored in a battery pack to power the refrigeration units.

- Explored the use of new Hydro Treated Vegetable Oil (HVO) as a replacement for diesel. This new fuel reduces CO2 emissions by 90% and does not affect vehicle servicing and warranties unlike other alternative fuels. However, the cost of HVO is “pegged” at a premium over that of diesel which would make it commercially unviable in the real world.

**Future plans**


Mawdsleys has developed science-based carbon reduction targets, aligned with a 1.5°C carbon reduction pathway:

- Near Term Target (Scope 1) – Reduce Scope 1 emissions by 42% by 2030;
- Near Term Target (Scope 3) – Reduce Scope 3 emissions by 42% by 2030
- Net Zero Target (All Scopes) – Reduce all emissions by 90% by 2045.

**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 and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.
- 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
- 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:



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Date: 1<sup>st</sup> November 2023.....