



# Carbon Reduction Plan

Supplier name: ...MatOrtho Ltd.....

Publication date: ..01.04.2024.....

## Commitment to achieving Net Zero

MatOrtho Ltd is committed to achieving Net Zero emissions by 2050.

## 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.

<b>Baseline Year: 2022 (01/01/2022 to 31/12/2022)</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
Emission data had not been published in prior years therefore we selected 2022 as our base year. The methodology for measuring our carbon footprint is in line with the Greenhouse Gas protocol and the BEIS Environmental Reporting Guidelines. The calculations were completed on the Clean Growth Carbon Calculator.	
<b>Baseline year emissions: 2022 (01/01/2022 to 31/12/2022)</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	23.62
Scope 2	116.99
Scope 3	Scope 3 Total 171.12

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(Included Sources)	<p>Scope 3 Source breakdown</p> <ul style="list-style-type: none"> <li>• Employee Business Travel 46.71</li> <li>• Waste 3.93</li> <li>• Water Usage 0.83</li> <li>• Employee Commuting 50.80</li> <li>• Contractor vehicle emissions 32.53</li> <li>• Manufacturing, product use and disposal 14.54</li> </ul>
<b>Total Emissions</b>	311.73

### Current Emissions Reporting

Reporting Year: 2023(01/01/2023 to 31/12/2023)	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	32.59
Scope 2	112.84
<b>Scope 3</b> (Included Sources)	<p>Scope 3 Total 234.34</p> <p>Scope 3 source breakdown</p> <ul style="list-style-type: none"> <li>• Employee Business Travel 46.52</li> <li>• Waste 6.26</li> <li>• Water Usage 1.14</li> <li>• Employee Commuting 50.61</li> <li>• Contractor vehicle emissions 80.87</li> <li>• Manufacturing, product use and disposal 20.52</li> </ul>

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<b>Total Emissions</b>	379.77
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## Emissions reduction targets

MatOrtho had no previous emissions reduction commitment prior to 2022.

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

MatOrtho is targeting a decrease in carbon emissions over the next five years to 264.96 tCO<sub>2</sub>e by 2027. This is a reduction of 15%.

It is envisaged that carbon offsetting or technology such as carbon capture and storage will be deployed to help achieve the difference between actual and net zero carbon.

## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2022 baseline. The carbon emission reduction achieved by these scheme initiatives equates to 9.72 tCO<sub>2</sub>e, a 3.11% reduction against the 2022 baseline and the measures will be in effect when performing the contract.

Since undertaking the 2022 baseline assessment, MatOrtho, has put in place the following environmental management measures and projects which were completed in 2023.

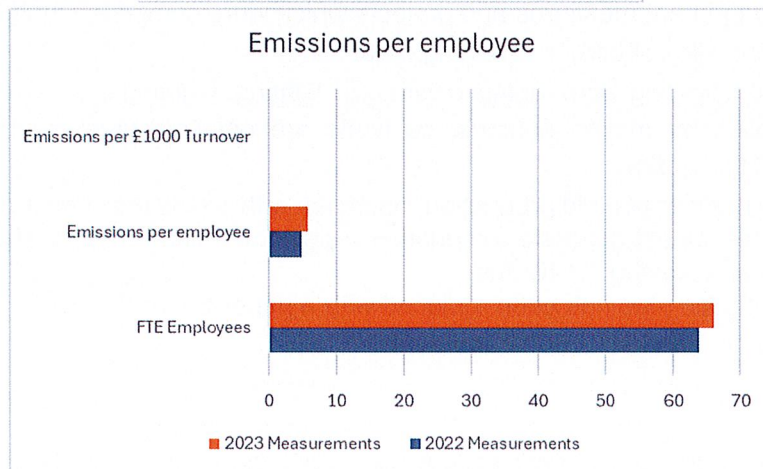
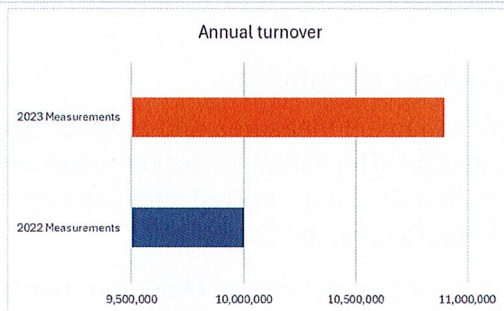
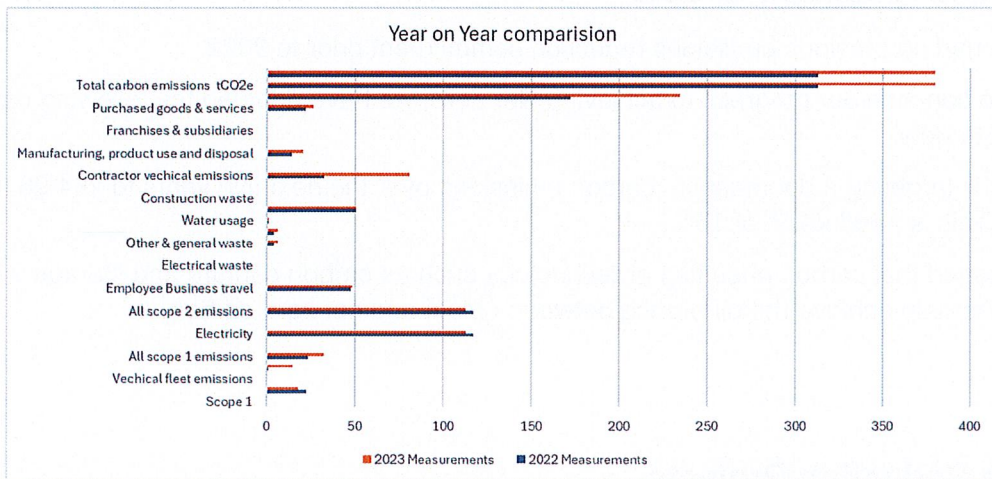
- Improved accuracy of carbon reporting data.
- All fluorescent lighting were replaced with LED lighting. Lighting in the main office area is now controlled by motion sensors, so lights are only on when needed. Saving an estimated 3.92 tCO<sub>2</sub>e.
- The replacement of two old production machines with a new more energy-efficient machine. This should generate a reduction in power consumption and the consumables used. Estimated saving 1.1 tCO<sub>2</sub>e.
- Packaging plastic tape has been replaced with a paper-based product.
- Work began to gain ISO140001 approval.

2023 did see a reduction of scope 1 Gas & fuels directly used by 20.9% on the previous period. There was an overall increase in the total emissions. The primary reasons for the

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increase were due to the improved turnover of the company. This resulted in an increase in the number of trips completed by couriers. The increased accuracy of collecting data also resulted in a higher number for the direct emissions relating to the gas charges carried when servicing the air-conditioning units.



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The following projects are planned to be carried out over 2024. The company is targeting to achieve a reduction of 11.712 tCO<sub>2</sub>e, or, 3.14% against the 2022 baseline. Planned projects for 2024 include investment in upgrading the infrastructure within the company and the replacement of old equipment. The following projects have been approved by the Board and will be undertaken over the next 12 month period.

- Work to improve the accuracy of carbon reduction reporting.
- An upgrade to air compressors at both of manufacturing sites will be replaced for newer more efficient machines. Estimated saving 11.712 tCO<sub>2</sub>e.
- Continued training for the ISO14001 certification. Full accreditation is expected in 2024.

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

- Reduction in business travel.
- Work with customers and suppliers to reduce number of shipments made.
- Couriers to upgrade their fleet to more environmentally acceptable vehicles.
- Purchase 100% renewable energy.
- Encourage staff to use low carbon transport methods such as walking, cycling public transport and car sharing.

## 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>.

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<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/standards/scope-3-standard>

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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: 15<sup>th</sup> MAY 2024

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