



# Carbon Reduction Plan

**Business/Supplier Name:** Dacey Ltd (*T/a Orthotix & T/a Dacey Orthotic Solutions*)

**Publication Date:** 01/02/2024

## Commitment to achieving Net Zero

Dacey Ltd is committed to achieving Net Zero emissions by 2030

## 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.

**Baseline Year:** 2020/21 (*01/11/2020 to 31/10/2021*)

### Additional Details relating to the Baseline Emissions Calculations:

Emissions data had not been published in the years prior to 2019/20, and in 2020 our new ownership team took control of Dacey Ltd following a management buyout. Therefore, the 20/21 financial year is 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 'Business Carbon Calculator' by Normative using the UK Government emissions factors.

*Please note years 20/21 & 21/22 saw the business impacted significantly due to Covid pandemic. Consequently the business pivoted from its typical operation and imported high volumes of PPE from across the world to urgently supply UK government organisations.*

### Baseline year emissions:

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	109.01
Scope 2	401.36

<b>Scope 3</b>	<b>SCOPE 3 TOTAL: 2789.8</b>
<b>Included Sources</b>	<p><b>Upstream Transport &amp; Distribution: 669.3</b></p> <p><b>Waste: 84.3</b></p> <p><b>Business Travel: 0</b></p> <p><b>Employee Commuting: 28.1</b></p> <p><b>Downstream Transport &amp; Distribution: 1952.87</b></p> <p><b>Capital Goods: 55.23</b></p>
<b>Total Emissions</b>	3300.17

### Current Emissions Reporting

<b>Reporting Year: 2022/23 (01/11/2022 to 31/10/2023) 2023/24 Report will be published Feb 2025</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	0
<b>Scope 2</b>	27.9
<b>Scope 3</b>	<b>SCOPE 3 TOTAL: 2350</b>
<b>Included Sources</b>	<p><b>Upstream Transport &amp; Distribution: 122</b></p> <p><b>Waste: 8.521</b></p> <p><b>Business Travel: 0.979</b></p> <p><b>Purchased Goods &amp; Services: 2190</b></p> <p><b>Capital Goods: 28.5</b></p>
<b>Total Emissions</b>	2378

## Emissions Reduction Targets

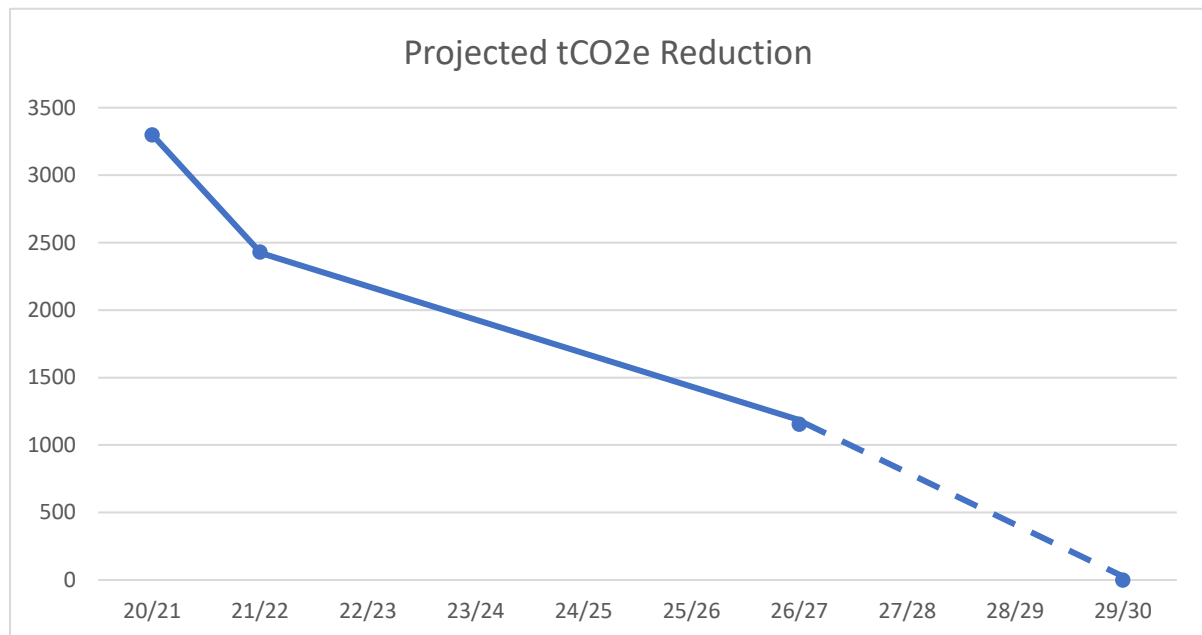
Prior to the new ownership team taking control of Dacey Ltd there was no previous emissions reduction commitment.

In order to continue our progress to achieve Net Zero, since our baseline year (2020/21) we have now adopted the following carbon reduction target.

We project that our carbon emissions will decrease over the next five years to a total of 1155 tCO<sub>2</sub>e by 2026/27. This is a reduction of 65% from 2020/21 and our projection is to reach net zero carbon by 2030. It is envisaged that carbon offsetting or technology such as carbon capture and storage will be deployed to achieve the difference between actual and net zero carbon.

2023/24 Report will be published Feb 2025

Progress against these targets can be seen in the graph below. The dashed line indicates our projected decarbonisation to net carbon zero by 2030.



## Carbon Reduction Projects

### *Completed Carbon Reduction Initiatives*

The following environmental management measures and projects have been completed or implemented since the 2020 baseline. The measures will be in effect when performing the contract.

Our carbon reduction projects from calendar year 2020 to 2024 have included:

- Move to agile working that has resulted in reduction of company business travel and, especially, commuting. Introduction of home working policy for certain staff members.

- Elimination of paper-based documents such as pay-slips, timesheets, employee handbooks, orderbooks and introduction of digital alternatives.
- Reduced dependency on office space.
- Encouragement of staff to use low carbon transport methods such as walking, cycling and public transport as well as a scheme to promote use of low or zero emission cars, including provision of EV charging points
- Professional video conferencing suite installed and utilised where possible.
- Installation of LED Lighting and motion sensors throughout warehouse
- Building management systems have been upgraded to reduce energy usage resulting in an improved Environmental Protection Certificate banding.
- Signing up to the Green Growth Pledge with the Welsh Government which will assist us in taking pro-active steps towards improving sustainability. Additionally, we've completed a Green Growth Assessment which provides a metric against which we can annually review our performance with regards to sustainability social impact and emissions.
- Installation of 475 PV Solar Panel system installed on the south aspect of warehouse generating 100% renewable energy and completely removing our need to purchase electricity from the grid/suppliers.

### *Ongoing Carbon Reduction Initiatives*

Our carbon reduction projects from calendar year 2024 onwards include further measures such as:

- Increase warehouse storage capacity to consolidate freight orders from Asia and rest of the world, reducing frequency annually.
- All product packaging to become FSC® accredited so that our own branded ranges and exclusive partners are all utilising packaging that has come from responsibly managed forests, where biodiversity is maintained and protected by 2030.
- Product materials utilised in all our own branded ranges and manufactured goods to be reviewed including textile/plastic/metal to ensure we transition over to recycled or recyclable alternatives by 2030.
- Increase CAD/CAM integrated manufacturing processes to include further 3D printed lasts, fitting shoes and casts, thus reducing the use of leather and other materials
- Adoption of environmental standard ISO 14001, accreditation and implementation by end of 2024/25.
- Integrating digital IT systems linked to our back end stock management, financing and warehousing functions to become a completely paperless environment.
- Transition to zero emission vehicles. All vehicles purchased or leased to be ULEV towards goal of 90% of total fleet low, ultra-low or zero emissions by 2030.

- Requiring suppliers to report their carbon footprint data to us to improve the accuracy of carbon measurement and engaging with suppliers to support our net zero goal.
- All suppliers to have produced their own net zero target and plan by 2030 to align with our target status of net zero.

### **Declaration & 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 Reduction Plan has been reviewed and signed off by the Executive Leadership Team.

Signed: 

**Name:** Paul Cooper

**Position:** Chief Executive Officer

**Date:** February, 2024

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## Sustainability & Environmental Statement

At Dacey Ltd (*T/a Orthotix & T/a Dacey Orthotic Solutions*), we are committed to minimising our impact on the environment and promoting sustainability throughout our operations. We recognise the importance of preserving the planet for future generations and strive to contribute to a cleaner, greener, and healthier environment. To fulfil this commitment, we have developed the following Environmental Policy:

1. Compliance with Environmental Laws and Regulations:
  - We will comply with all applicable environmental laws, regulations, and standards at local, regional, and national levels.
  - We will stay informed and up-to-date on evolving environmental regulations and adapt our practices accordingly.
2. Resource Conservation:
  - We will strive to conserve resources, including energy, water, and raw materials, through efficient use and responsible procurement practices.
  - We will implement measures to minimize waste generation, promote recycling, and responsibly manage any waste that is inevitable.
3. Pollution Prevention and Emission Reduction:
  - We will take proactive measures to prevent and minimise pollution through the adoption of clean technologies, best practices, and proper waste management techniques.
  - We will continuously evaluate and improve our operational processes to reduce greenhouse gas emissions, air pollutants, and other potential environmental pollutants.
4. Sustainable Supply Chain Management:
  - We will co-operate with suppliers and partners who share our commitment to environmental sustainability and encourage the use of eco-friendly materials and practices.
  - We will give preference to suppliers who demonstrate responsible environmental stewardship in their operations and product offerings.

5. Continuous Improvement:

- We will set environmental objectives and targets to drive continuous improvement in our environmental performance.
- We will regularly monitor, measure, and review our environmental practices to ensure compliance, identify areas for improvement, and celebrate achievements.

6. Employee Engagement and Awareness:

- We will encourage and involve our employees in environmental initiatives and provide them with the necessary training and resources to contribute to our sustainability goals.
- We will promote environmental awareness among our employees to foster a culture of sustainability throughout our organisation.

7. Stakeholder Communication:

- We will communicate our environmental commitments to our customers, suppliers, employees, and the public.
- We will actively engage with our stakeholders, seeking feedback and suggestions to enhance our environmental performance.


**Examples of Ongoing Environmental Measures Being Implemented at Dacey Ltd**

- Expansion of our facility in Cardiff in order to increase our purchasing quantities and being able to store these comfortably. By doing this we have gone from having four deliveries per year from our oversea suppliers to only one per year, therefore contributing to reduced freight emissions.
- New roof to improve insulation and discussions regarding recycling of rainwater
- PIR lighting
- Encourage our staff to car-pool, cycle to work posters in communal area and introduced flexi-time schedule to avoid rush hour and car share, again to reduce vehicle emissions.
- Automated cutting table ensures that each usable section of material is utilised, reducing waste of material and weekend workers
- Vegan Leather Alternatives
- Use of recyclable 3D printed filament for fitting shoes and lasts rather than traditional carbon heavy materials
- Materials sourced from by-product suppliers
- Recycled paper in the office and re-using paper where possible
- Recycled ink-cartridges and non-toxic pens
- Recycling of all waste products in separate bins

- Recycling plastic bags and reducing use where possible, phasing out non-recycled plastic bags by end of 2023
- Use of recycled/recyclable boxes for deliveries
- Energy efficient glazing and a casual dress code for staff to dress up/down depending on climate to reduce temperature control within the workplace
- Dedicated business environmental/energy monitor
- Electric vehicles for some staff at present and two onsite charging stations. Goal being for all employees who exceed 6K work miles per annum to have electric or hybrid vehicles within the next five years
- Food delivery via a designated contractor once per day – avoiding the need for our staff having to drive to supermarket 2 miles away, reducing vehicle emissions
- Computers, monitors set to 15min stand-by and always turned off in the evenings schedule PU01
- Paperless environment where possible (New website will have PDF format orders if preferred by trusts which will further lead to reduced paper usage)
- Video conferencing facility to reduce our travelling
- Installation of 475 PV Solar Panels installed on the south aspect of warehouse generating 100% renewable energy and completely removing our need to purchase electricity from the grid. By using our self-generated renewable energy it is equivalent to planting 5.61 trees and equals 10.1t in CO2 emissions saved. Over a year this will significantly reduce our carbon output reducing our footprint by 121t in CO2.

By adhering to this Environmental Policy, we aim to be responsible contributors to a healthier environment while providing quality products and services to our customers.

Our commitment to sustainability is an ongoing journey, and we will regularly review and update our practices to ensure their effectiveness and relevance.

**Signature:**   
**Position:** *Chief Executive*

**Dated:** *January 2024*  
**Review Date** *January 2025*