

CARBON REDUCTION PLAN

Supplier name: Solent Orthotic Services Limited

Publication date: DECEMBER 2023

Commitment to achieving Net Zero

Solent Orthotic Services Limited is committed to achieving Net Zero emissions by **2040**.

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 2023	
Additional details relating to Baseline Emissions calculations	
First Year of assessment – reporting period January 2023 – December 2023	
Baseline year emissions	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	10.5
Scope 2	1.38
Scope 3 (included sources)	10.9 Upstream transportation and distribution Purchased goods and services Capital goods Employee Commuting Downstream transportation and distribution
Total Emissions	22.8

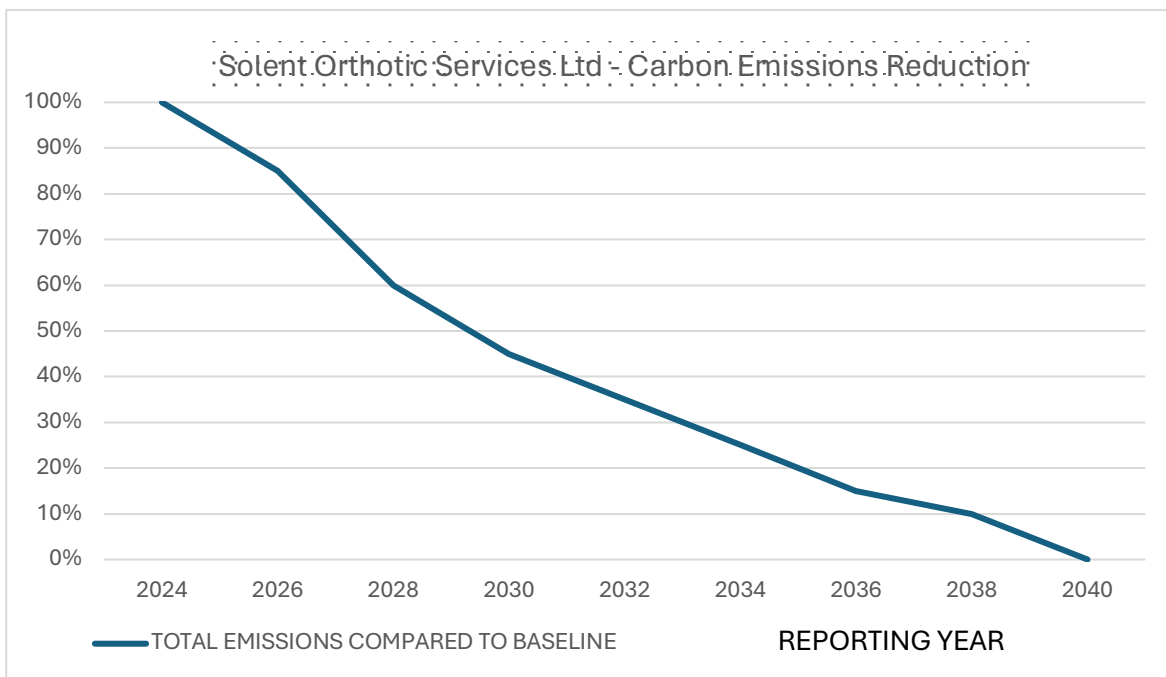
Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO2e)
Scope 1	10.5
Scope 2	1.38
Scope 3	10.9
Total Emissions	22.8

Emissions reduction targets

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

We project that carbon emissions will decrease over the next five years to **11 tCO2e** by 2029. This is a reduction of **50%**



Our Carbon Reduction Plan may be viewed on our website -

<http://www.solentorthoserv.co.uk/about.html>

Carbon Reduction Projects

Completed Carbon Reduction Initiatives:

We are moving to smaller premises by the end of March 2024 that will use 100% renewable energy supply. Solent Orthotic Services Limited have a plan to implement procedures to comply with ISO14001. Solent have installed, where appropriate LED/PIR lighting controls, changes to our policies to reduce unnecessary journeys, using 'green' couriers and finding options for recycling waste. We are also evaluating technology such as 3D scanning and printing to reduce plaster and manufacturing waste.

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

- Energy efficiency

- Upgrade lighting and HVAC systems to latest energy efficient models, including motion sensor lighting.
 - Renewable energy sources – consider fitting solar panels on our office
 - Energy monitoring –implement smart thermostat controls and real time monitoring
 - We are committed to minimising energy consumption throughout our operations, including our supply chain
- Sustainable Materials and Manufacturing
 - We engage in transparent supply chain management to ensure the traceability and responsible sourcing of raw materials
 - Use suppliers with lean manufacturing: e.g. utilising additive manufacturing processes to reduce material waste by up to 70%
 - Supply chain partnerships with like minded suppliers
 - Material recoverability
 - Life cycle assessments from manufacture to end of life disposal
- Transport and Logistics
 - Shipment consolidation
 - Local suppliers wherever possible
 - Schemes to promote electric/hybrid vehicles to employees
 - Improving use of virtual and phone reviews and assessments
- Waste reduction and recycling
 - Clear guidelines for materials waste and recycling
 - Provision of bins for recycling
- Employee / stakeholder engagement
 - Eco-friendly solutions such as carpooling, cycle to work schemes and public transport
 - Awareness
- Training and awareness
 - Internal training courses
- Incentives and recognition
 - Incentives for meeting waste recycling targets
 - Incentives for purchasing green energy
 - Annual company award
- Research
 - New materials, techniques and processes
- Carbon offset programme
 - Calculate the remaining carbon emissions
 - Purchase offsets e.g. reforestation
 - Schemes like Ecologi

- Continuous improvement
 - We will continuously monitor and analyse our carbon footprint setting ambitious reduction targets and actively seeking innovative ways to achieve them.
 - Annual sustainability report
- Regulatory
 - Remain informed
 - Comply with environmental laws and standards

Scope 3

We will develop our ability to accurately measure and produce targets to reduce our other indirect emissions, i.e. those associated with our organisation, including supply chain, transport and distribution, business travel and commuting, use of products, waste, investments and other leased assets or franchises by 2028 and put in place a formal reduction plan with meaningful targets (minimum 20% reduction from 2028 figure) by 2030.

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

SIGNED ON BEHALF OF SOLENT ORTHOTIC SERVICES LTD



ANDREW TAGG
DIRECTOR

DATE: 30/12/2023

Solent Orthotic Services Limited Carbon Reduction Plan

As a responsible Orthotic service provider we are committed to fighting climate change and making our contribution to a Net Zero National Health Service Carbon Footprint 2040 for a more sustainable future. We have therefore developed a Carbon Reduction Plan, which outlines a series of measures and initiatives to mitigate our environmental impact and transition towards a more environmentally responsible operation.

Our emissions have been attributed to the three scopes as defined by the Green House Gas Protocol:

Scope 1 The direct emissions of our organisation, including combustion of fuels and fugitive emissions.

Scope 2 The Indirect emissions of our organisation, including purchased electricity and heat.

Scope 3 Other indirect emissions *associated* with our organisation, including supply chain, transport and distribution, business travel and commuting, use of products, waste, investments and other leased assets or franchises.

We have mapped out the following initiatives to manage and improve our carbon footprint:

- Energy efficiency - Upgrade lighting and HVAC systems to latest energy efficient models, including motion sensor lighting.
- Renewable energy sources – consider fitting solar panels on our office
- Energy monitoring – implement smart thermostat controls and real time monitoring
- We are committed to minimising energy consumption throughout our operations, including our supply chain
- Sustainable Materials and Manufacturing Material sourcing: we prioritise the use of Companies that use sustainable and environmentally friendly materials in the production of orthotic devices and related supplies.
- We engage in transparent supply chain management to ensure the traceability and responsible sourcing of raw materials
- Lean manufacturing: e.g. utilising additive manufacturing processes to reduce material waste by up to 70%
- Supply chain partnerships with likeminded suppliers
 - Material recoverability
 - Lifecycle assessments from manufacture to end of life disposal
- Transport and Logistics
 - Shipment consolidation
 - Local suppliers wherever possible
 - Electric / hybrid company vehicles
 - Introducing virtual consultations and telemedicine

- Waste reduction and recycling
 - Clear guidelines for materials waste and recycling o Provision of bins for recycling

- Employee / stakeholder engagement
 - Eco friendly solutions such as carpooling, cycle to work schemes and public transport awareness

- Training and awareness
 - Internal training courses

- Incentives and recognition
 - Incentives for meeting waste / recycling targets
 - Incentives for purchasing green energy
 - Annual company award

- Research

- New materials, techniques and processes

- Carbon offset programme
 - Calculate the remaining carbon emissions
 - Purchase offsets e.g. reforestation

- Continuous improvement

- Regulatory
 - Remain informed
 - Comply with environmental laws and standards

Targets

Scope 1 Our target is to reduce the impact of the direct emissions of our organisation, including combustion of fuels and fugitive emissions, by 25% by 2028 and by 50% by 2030.

Scope 2 Our target is to reduce the impact of our indirect emissions of our organisation, including purchased electricity and heat, by 25% by 2028 and by 50% by 2030.

Scope 3 We will develop our ability to accurately measure and produce targets to reduce our other indirect emissions, i.e. those **associated** with our organisation, including supply chain, transport and distribution, business travel and commuting, use of products, waste, investments and other leased assets or franchises by 2028 and put in place a formal reduction plan with meaningful targets (minimum 20% reduction from 2028 figure) by 2030.

Conclusion

By implementing this Carbon Reduction Plan, Solent Orthotic Services Ltd is committed to significantly reducing our carbon footprint and contributing to a more sustainable and environmentally responsible future. We will regularly review and update this plan to ensure our progress continually aligns with our goals. We will prioritise sustainable sourcing, energy efficiency, travel reduction, lifecycle assessment, research and innovation and stakeholder engagement. Solent Orthotic Services Ltd are dedicated to making a significant and measurable contribution to the reduction of Carbon.