

Carbon Reduction Plan

Supplier name:Central Scanning Limited.....

Publication date:02/04/2023.....

Commitment to achieving Net Zero

Central Scanning Limited 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.

Baseline Year:2022	
Additional Details relating to the Baseline Emissions calculations.	
This would be Central Scanning's first Carbon Reduction Plan since the company started in 2006. We appreciate and acknowledge the importance of our role in meeting the challenging Net Zero 2050 targets from our business activities. We believe we have made fair judgement on our current emissions with clear goals with regards to achieving Net Zero.	
Baseline year emissions: 39.36666911 tCO₂e	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	Company Vehicles = 12.92793444 tCO₂e Four company vehicles Company Van #1, 13,629 miles (in 2022) Company Van #2, 12,000 miles (in 2022) Based on conversion factor of 0.22836 Kg CO ₂ e (Class 1 diesel Van). Company Car # 1, 10,100 miles in (in 2022) Company Car # 2, 20,300 miles in (in 2022) Based on conversion factor of 0.23274 kg CO ₂ e per unit (lower medium, passenger vehicle diesel).

<p>Scope 2</p>	<p>Electricity usage = 8.85506358 tCO₂e Usage 45,791 Kwh between 1st Jan 2022 – 31st Dec 2022. Based on 2022 conversion factor of 0.19338 Kg CO₂e per unit</p>
<p>Scope 3 (Included Sources)</p>	<p>Water supply = 0.00643382 tCO₂e Water usage 43.18 m³ in 2022. Based on 2022 conversion factor 0.149 kg CO₂e per unit</p> <p>Wastewater = 0.01174496 tCO₂e Based on 2022 conversion factor 0.272 kg CO₂e per unit</p> <p>Material usage (plastics) = 2.493032 tCO₂e Plastics for 3D printing 0.8 tonnes in 2022 Based on 2022 (average plastics) conversion factor 3116.29 kg CO₂e per unit</p> <p>Material usage (paper and board) = 1.76832 tCO₂e Paper and board usage 2 tonnes in 2022 (for shipping and printed documents) Based on 2022 (Paper and board: mixed) conversion factor 884.16 kg CO₂e per unit</p> <p>Waste disposal (plastics) = 0.0817152 tCO₂e 3.84 tonnes in 2022 Based on 2022 (average plastics) conversion factor 21.280 kg CO₂e per unit</p> <p>Waste disposal (paper and board) = 0.0817152 tCO₂e 3.84 tonnes in 2022 Based on 2022 (Paper and board: mixed) conversion factor 21.280 kg CO₂e per unit</p> <p>Waste disposal (refuse) = 0.0540512 tCO₂e 2.54 tonnes in 2022 Based on 2022 (Commercial and industrial waste) conversion factor 21.280 kg CO₂e per unit.</p> <p>Employees commuting = 12.56796 tCO₂e Presumed 4,500 miles per employee per year with (12 employees). Based on 2022 (lower medium, passenger vehicle diesel) conversion factor of 0.23274 kg CO₂e per unit.</p>

Upstream transportation & distribution = 0.2961805392 tCO₂e

inbound logistics are handled by a 3rd party couriers (UPS & TNT).

- Total 48 inbound shipments from Luxembourg to Bromsgrove UK (795 km by road) with a presumptive average weight of 10kg per shipment.
- Total 4 inbound shipments from Neubeuern, Germany Germany to Bromsgrove, UK (1,413 km by road) with a presumptive average weight of 20kg per shipment.

Based on 2022 (Class 2, diesel Van) conversation factor 0.59878 kg CO₂e pe tonne.km.

Downstream transportation & distribution = 0.2225181694 tCO₂e

Outbound logistics are handled by a 3rd party couriers (TNT). Total 644 outbound shipments in 2022.

- 622 shipments to UK based clients. Presume average distance of 50 miles a presumptive average weight of 5kg per shipment.
- Total 3 outbound shipments from Bromsgrove, UK to Neubeuern, Germany (1,413 km by road) with a presumptive average weight of 20kg per shipment.
- Total 6 outbound shipments from Bromsgrove, UK to Dublin, Ireland (438 km by road) with a presumptive average weight of 10kg per shipment.
- Total 11 outbound shipments from Bromsgrove UK to Luxembourg (795 km by road) with a presumptive average weight of 10kg per shipment.

Based on 2022 (Class 2, diesel Van) conversation factor 0.59878 kg CO₂e pe tonne.km.

Total Emissions	39.36666911 tCO₂e
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Conversion factors are based on the most current guidance found at: <https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022>

Current Emissions Reporting

Reporting Year: 2022

As this is our first year reporting our emissions. The current emissions will be the same as our baseline emissions. We will report on our current emissions again for the calendar year 2023 by no later than June 2024.

Current year emissions: 39.36666911 tCO₂e

EMISSIONS	TOTAL (tCO₂e)
Scope 1	Company Vehicles = 12.92793444 tCO₂e
Scope 2	Electricity usage = 8.85506358 tCO₂e
Scope 3 (Included Sources)	Water supply = 0.00643382 tCO₂e Wastewater = 0.01174496 tCO₂e Material usage (plastics) = 2.493032 tCO₂e Material usage (paper and board) = 1.76832 tCO₂e Waste disposal (plastics) = 0.0817152 tCO₂e Waste disposal (paper and board) = 0.0817152 tCO₂e Waste disposal (refuse) = 0.0540512 tCO₂e Employees commuting = 12.56796 tCO₂e Upstream transportation & distribution = 0.2961805392 tCO₂e Downstream transportation & distribution = 0.2225181694 tCO₂e
Total Emissions	39.36666911 tCO₂e (same as baseline)

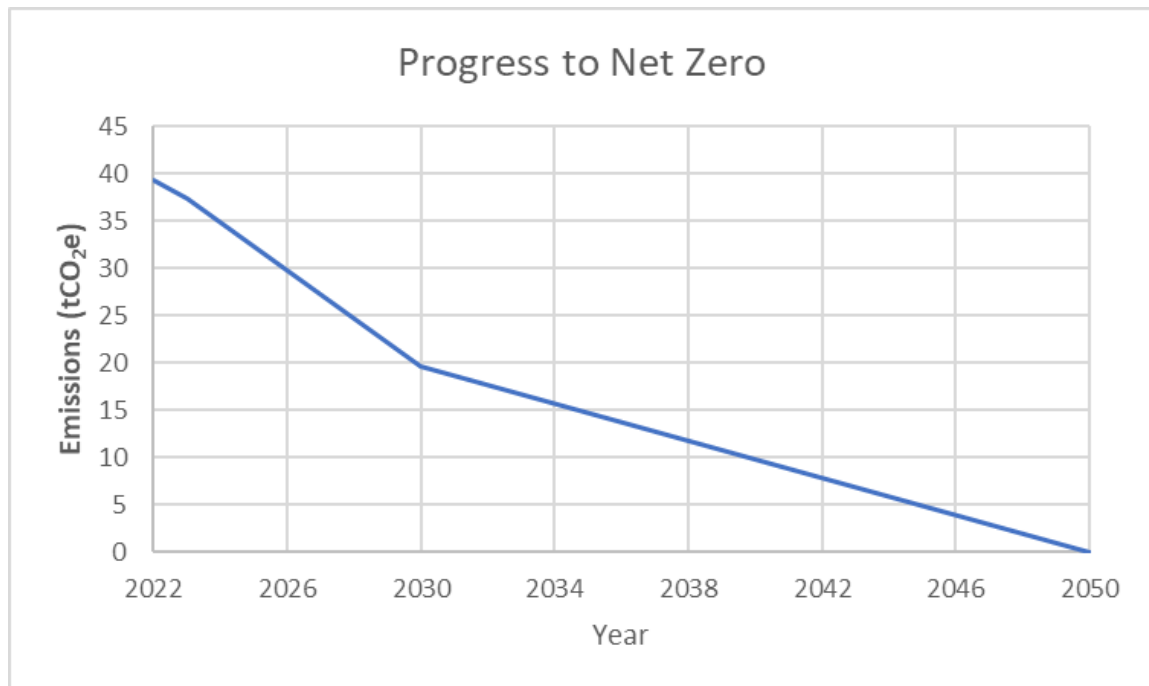
Emissions reduction targets

In order to continue our progress to achieving Net Zero by 2050, we have adopted the following carbon reduction targets.

By the end of 2023, we are confident in reducing carbon emissions by 5%.

We project that carbon emissions will decrease over the next eight years to 19.68 tCO₂e by 2030. This is a reduction of 50% from the baseline set in 2022.

Progress against these targets can be seen in the graph below:



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

We will replace our company car and van with electric vehicles that will drastically reduce the carbon footprint from our business activities. We will also encourage staff to change to an electric car for travelling into work. This can be achieved with Electric Car benefit in kind schemes.

Further to this we will try and source our electricity from renewable sources and specifically look into installing solar panels and battery storage.

As we are already ISO 14001 certified, we will continue to improve the management and reduction of our waste products. We will encourage clients to pick up items whenever possible to reduce use of cardboard in packaging and our downstream carbon footprint.

This being our first Carbon Reduction Plan we fully anticipate reporting some positive progress for the reporting year ending 2023.

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

Cutting out the use of Internal combustion transportation entirely in company and personnel vehicles as well as in our upstream and downstream distribution. This would be in partnership with our couriers and suppliers.

We will also look further into Carbon offsetting measures such as carbon capture, planting trees and other measures that may emerge with future technologies.

Declaration and Sign Off

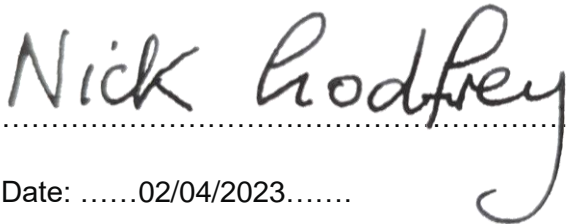
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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:02/04/2023.....
