

Cairn Technology Ltd

2024

# Carbon Reduction Plan



Published April 2025

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# Organisational and Operational boundaries

Our Carbon Reduction Plan organisational boundary is Cairn Technology Ltd, based at the G4 Business Centre, 19-21 Carlisle Street East, Sheffield, South Yorkshire, S4 7QN, as defined by the financial control approach.

The operational boundary chosen for our Carbon Reduction Plan is Scope 1, Scope 2 and Scope 3 categories 4, 5, 7 and 9.





# Corporate Culture focused on Health and Sustainability

Cairn Technology Ltd understands the important role it plays in ensuring a greener future. Through carbon-offsetting, we have committed to lowering our carbon emissions to net zero for Scope 1 for the reporting year 2024. To achieve this, we have invested in the Carbon Footprint™ UK Tree Planting Scheme, which saw over 27 different species of 85,000 native broadleaf trees planted in the UK over 2024.

Sustainability and health have long been at the forefront of Cairn Technology's ethos. Responsible product sourcing enables us to offer a range of products that reflect our ongoing commitment to the environment and sustainability. Cairn Technology Ltd aims to achieve net zero by 2045 by further taking measures to lower our carbon emissions, as well as increasing our carbon offsetting program.

This report supports Procurement Policy Note (PPN 06/21) and details Cairn Technology emissions reported for all required scopes/categories.

# Emissions Report 2024

## Baseline

2023 has been chosen for Cairn's baseline year, as prior to that year, no emission reporting or recording had been undertaken. Although no reporting had been done, Cairn has always tried to be environmentally focused and some measures had already been undertaken.



Baseline Year Emissions: 2023	
Emissions	Total tCO <sub>2</sub> (e)
Scope 1	18.33
Scope 2 - Market based	9.39
Scope 3	1,331.16
Cairn Technology Total Emissions tCO <sub>2</sub> (e)	1,358.88

## Reporting year - 2024

Reporting Year Emissions: 2024	
Emissions	Total tCO <sub>2</sub> (e)
Scope 1	21.54
Scope 2 - Market based	11.81
Scope 3	1,382.46
Cairn Technology Total Emissions tCO <sub>2</sub> (e)	1,415.82

## Reporting year 2024 with offsetting

Reporting Year Emissions with offsetting: 2024	
Emissions	Total tCO <sub>2</sub> (e)
Scope 1	21.54
Scope 1 Offset	-21.54
Scope 2 - Market based	11.81
Scope 3	1,382.46
Cairn Technology Total Emissions tCO <sub>2</sub> (e)	1,394.27



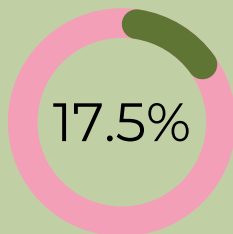
# Our Carbon Reduction Performance

## Scope 1

Our scope 1 emissions for 2024 equal 21.54 tCO<sub>2</sub>e.

A large part of our business is Workplace Monitoring which is undertaken by on the road/field based consultants. 2024 saw a slight increase in the emission factor applied to our fleet of vehicles, causing an increase in our scope 1 emission total from 2023. We also saw an increase of 22.7% miles travelled by our field based consultants.

Our environmental management objective for Scope 1 is to increase the number of lower emitting transport types, which we already started to implement in 2023 and will continue to review as our fleet is renewed.



In 2023 our field based consultants travelled a total of 66,000 business miles. In 2024 this total was 80,978, an increase of 22.7% from the previous year. Despite this, we have only seen a 17.5% increase in our scope 1 emissions, reflecting our efforts to reduce the carbon impact of our vehicle fleet.

## Scope 2

Our purchased energy consumption accounted for 11.81 tCO<sub>2</sub>e. This small increase from 2023, is due to us installing an electric car charging point for our fully electric and plug-in hybrid cars.

Our aim is to further reduce our scope 2 emissions by purchasing our electricity from renewables sources. The end of a fixed supplier contract in 2026 will allow us to implement this important change.



## Scope 3

Our Scope 3 emissions for 2023 totaled 1,382.46 tCO<sub>2</sub>e. This total came from our reporting of categories 4, 5, 7 and 9.

Throughout 2024 we have made efforts to reduce our carbon emissions, including:

- reducing employee commuting with a hybrid working from home approach.
- recycling as much waste generated from our office and warehouse space as possible.
- encouraging our sales team to conduct business meetings with clients virtually where possible, saving on time as well as carbon emissions from business travel.

Our category 5 emissions are lower than in 2023 due to the emission factor being lower in 2024 than 2023. We continue to encourage recycling within our office, resulting in lower levels of waste. Our category 4 and 9 totals are slightly higher than in 2023 due to an increase in shipping journeys from our suppliers and to customers from increased sales in 2024.

Our total scope 3 carbon emissions for 2024 is 1,415.82 tCO<sub>2</sub>e. This is only an increase of 4.19% from 2023, despite the turnover of the business increasing by 6.3% from 2023 to 2024.



## Declaration & sign off

This Carbon Reduction Plan has been completed in accordance with UK PPN 06/21 (June 2021) 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, using the appropriate Government emission conversion factors for greenhouse gas company reporting.

This Carbon Reduction Plan has been reviewed and signed off by Managing Directors for Cairn Technology Ltd.

22.04.2025

PG Binns

Dr. Peter Binns, Managing Director, Cairn Technology Ltd  
Dr. Mark Fields, Managing Director, Cairn Technology Ltd

22.04.2025

M. Fields



## Appendix 1

Cairn Technology Ltd greenhouse gas emissions 2024 and baseline year 2023.

Totals for scope 3 emissions contain only categories required by the NHS and apply to Cairn Technology Ltd's operation as required by PPN06/21.

Scope 1 & 2 Emissions:	Baseline data - 2023	Reporting year data - 2024
Emissions from transport (scope 1) tCO <sub>2</sub> (e)	18.33	21.54
Scope 1 Total Emissions tCO <sub>2</sub> (e)	18.33	21.54
Scope 2 Purchased electricity - Market based tCO <sub>2</sub> (e)	9.39	11.81
Scope 2 Total Emissions tCO <sub>2</sub> (e)	9.39	11.81
<b>Cairn Technology Total Scope 1 &amp; 2 emissions tCO<sub>2</sub>(e)</b>	<b>27.72</b>	<b>33.35</b>

Scope 3 Emissions:	Baseline data - 2023	Reporting year data - 2024
Purchased Goods and Services (category 1)	0	0
Capital Goods (category 2)	0	0
Fuel and Energy-related activities (category 3)	0	0
Upstream Transportation and Distribution (category 4)	139.13	160.57
Waste Generated in Operations (category 5)	40.07	0.03
Business Travel (category 6)	0	0
Employee Commuting (category 7)	1.47	1.44
Upstream Leased Assets (category 8)	0	0
Downstream Transportation and distribution (category 9)	1,150.49	1,220.42
Processing of Sold Products (category 10)	0	0
Use of Sold Products (category 11)	0	0
End-of-Life Treatment of Sold Products (category 12)	0	0
Downstream Leased Assets (category 13)	0	0
Franchises (category 14)	0	0
Investments (category 15)	0	0
<b>Cairn Technology Total Scope 3 emissions tCO<sub>2</sub>(e)</b>	<b>1,331.16</b>	<b>1,382.46</b>





## Methodology quantification and reporting methodology

### Scope 1

Cairn Technology used the UK Government Conversion Factors for greenhouse gas (GHG) reporting tool in order to calculate our scope 1 emissions from fuel usage by company used vehicles. By recording each vehicle's business miles, we were able to identify the correct emission factor based on the vehicle's engine size/ fuel type and miles travelled in 2024.

### Scope 2

Our scope 2 emissions were calculated from our purchased electricity usage for 2024. Using the UK Government Conversion Factors for greenhouse gas (GHG) reporting tool, we used the market based method to calculate these emissions.

### Scope 3

In line with NHS requirements, we have gathered data on categories 4, 5, 7 and 9 within this Scope.

### Category 4

These emissions were calculated using the distance-based method. For shipments of products supplied to us, we used data provided directly by our suppliers, where possible. Where complete data for this was not available, and for shipping of sold products where we pay for shipping, we based our calculations on UK Government Conversion Factors for Freightage Goods. Category 4 emissions includes estimated emissions for purchased goods and services using a spend based methodology. These make up over 80% of Scope 3 emissions and we are working on collecting primary data from suppliers to improve our insight into our Category 4 emissions.

### Category 5

Data has been collected from our suppliers based on our usage/collection of waste. Using the UK Government Conversion Factors for greenhouse gas (GHG) reporting tool, we calculated the emissions from our used and collected waste.

### Category 7

Figures were based on data provided from employees on their transport method and miles traveled. Using the UK Government Conversion Factors for greenhouse gas (GHG) reporting tool we could use the data provide to calculate each employee's emission.

### Category 9

These emissions were calculated using the distance-based method and UK Government Conversion Factors for Freightage Goods.