



Cairn Technology Ltd

CARBON REDUCTION PLAN

- 2023 -



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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 focussed on Health and Sustainability

Cairn Technology Ltd understands the important role it plays in ensuring a greener future. We are committed to lowering our carbon emissions, with a drive to become net zero for Scope 1 for the reporting year 2024. We will invest in carbon off-setting schemes in order to achieve this. We are in the process of looking at viable schemes that remove GHG emissions from the atmosphere.

Sustainability and health have long been at the forefront of Cairn's ethos. Responsible product sourcing, enables us to offer a range of products that hold the environment and sustainability to our core values.

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

Our goal is to offset Scope 1 emissions for 2024 with a longer term commitment to achieve Net Zero across all relevant scopes and categories by 2050.





EMISSIONS REPORT 2023

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 ₂ (e)
Scope 1	18.33
Scope 2 - Market based	9.39
Scope 3	7433.56
Cairn Technology Total Emissions tCO₂(e)	7461.28

REPORTING YEAR - 2023

Reporting Year Emissions: 2023	
Emissions	Total tCO ₂ (e)
Scope 1	18.33
Scope 2 - Market based	9.39
Scope 3	7433.56
Cairn Technology Total Emissions tCO₂(e)	7461.28

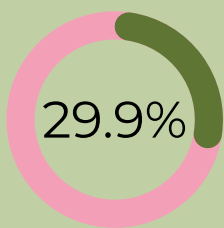
Our Carbon Reduction Performance



Scope 1

Our scope 1 emissions for 2023 equal 18.33 tCO₂e.

A large part of our business is Workplace Monitoring which is undertaken by on-the-road/field based consultants. As this side of the business grows, so do the miles traveled. Our environmental management objective for scope 1 is to increase the number of lower emitting transport types, which we have already started to implement this in 2023.



2023 saw us change some of our company cars. Where possible we encourage staff to choose lower emission cars, such as hybrid or fully electric. By making this switch we have made a 29.9% reduction in carbon emissions.

Scope 2

Our purchased energy consumption accounted for 9.39 tCO₂e. Prior to 2023, in an effort to reduce our electricity usage, we installed a heating and cooling system into our offices to minimise the need for smaller inefficient heaters.

To further reduce our scope 2 emissions, we aim to procure our electricity from renewables, however we are currently in a fixed contract until 2026, but we will review this when possible.

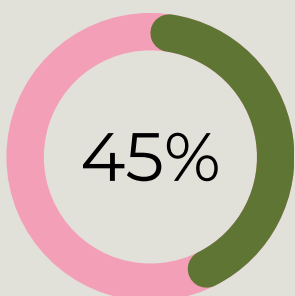


Scope 3

Our Scope 3 emissions for 2023 totalled 7,434 tCO₂e. This total came from our reporting of categories 4, 5, 7 and 9.

Throughout 2023 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 sale's team to conduct business meetings with clients virtually where possible, saving on time as well as carbon emissions from business travel.



Post pandemic we gave our office staff the choice to work flexibly with a split of home and office based working. By implementing this structure we have lowered our scope 3 category 7 (employee commuting) emissions by 45%.

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.

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



Appendix 1

Cairn Technology Ltd greenhouse gas emissions 2023 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 - 2023
Emissions from transport (scope 1) tCO ₂ (e)	18.33	18.33
Scope 1 Total Emissions tCO₂(e)	18.33	18.33
Scope 2 Purchased electricity - Market based tCO ₂ (e)	9.39	9.39
Scope 2 Total Emissions tCO₂(e)	9.39	9.39
Cairn Technology Total Scope 1 & 2 emissions tCO₂(e)	27.72	27.72

Scope 3 Emissions:	Baseline data - 2023	Reporting year data - 2023
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)	6,242	6,242
Waste Generated in Operations (category 5)	40	40
Business Travel (category 6)	0	0
Employee Commuting (category 7)	1	1
Upstream Leased Assets (category 8)	0	0
Downstream Transportation and distribution (category 9)	1,150	1,150
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
Cairn Technology Total Scope 3 emissions tCO₂(e)	7,434	7,434



Methodology quantification and reporting methodology

Scope 1

Cain 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 calculate the correct emission factor based on the vehicles engine size/ fuel type and miles travelled in 2023.

Scope 2

Our scope 2 emissions were calculated from our purchased electricity usage for 2023. Using the UK Government Conversion Factors for greenhouse gas (GHG) reporting tool we used the market based method to calculate.

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 Freight Goods. Scope 3 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 Scope 3 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 could calculate 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 Freighting Goods.