

CARBON REDUCTION PLAN

FOR



Prepared by:



Graphnet Health Carbon Emissions Report

Table of Contents

1	Net Zero Commitment	3
2	Company Overview	4
3	Reporting Period	4
4	Organisational Boundary.....	4
5	Operational Scopes	4
6	Benchmark Year	4
7	Carbon Emissions Overview	5
8	Analysis by Scope	5
9	Emissions by Activity	6
10	Intensity Metric Analysis	7
11	Emissions Reductions Targets	7
12	Carbon Reduction Projects.....	8
13	Emissions Data	9
14	Standard and Methodology Used	10
15	Data Quality / Confidence	10
16	Declaration & Sign Off.....	10
17	Glossary.....	11

Graphnet Health Carbon Emissions Report

1 Net Zero Commitment

Graphnet Health recognises the importance of making a full and lasting commitment to reducing the greenhouse gas emissions from our activities, in support of the wider commitment of the world to limit global temperature increases and the impact on the planet.

We commit to the following:

1. For our company to achieve Net Zero in line with the Science Based targets set out by the UNFCCC i.e., to achieve Net Zero no later than 2050 and target a 50% reduction in emissions by 2030.
2. To set realistic short- and long-term targets that are designed to achieve our Net Zero commitments.
3. To report the total Greenhouse Gas emissions of our business, at a minimum, on an annual basis.

	Year	Earlier Year if Possible
Commitment to be Net Zero	2050	2050
50% Emissions Reduction	2030	2030

Graphnet Health Carbon Emissions Report

2 Company Overview

Graphnet Health is a Limited Company registered in England, company number 02933905, with a head office address of Ground Floor, Building 5 Caldecotte Lake Drive, Caldecotte, Milton Keynes, Buckinghamshire, England, MK7 8LE.

Year	April 2022 – March 2023
Industry	Software
No. of Staff	267
No. of Offices – Owned	0
No. of Offices – Leased	5
No. of Company Vehicles - Owned	0
No. of Company Vehicles - Leased	0

Graphnet Health is the leading supplier in population health analytics, covering **over 16.8m citizens**. It is the number one supplier in integrated care records, holding well **over 20 million citizen records** – and it is a pioneer in the virtual ward and remote monitoring space, managing around **50,000 patients** (and growing).

Its **population health tools** give health and care providers the data-driven insights required to identify those most in need of support – and then allowing them to track the impact.

Its **DOC@HOME remote monitoring system**, developed by Docobo (owned by Graphnet Health), is empowering patients, enabling them to communicate with clinicians quickly and easily from their own homes and submit health readings and other information that is relevant to their care.

3 Reporting Period

April 2022 – March 2023

4 Organisational Boundary

This report has been constructed using the

- Operational Control Approach

5 Operational Scopes

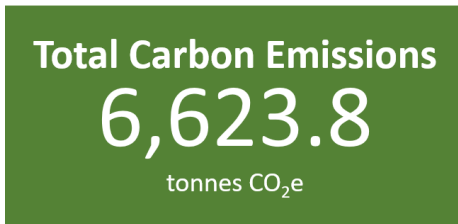
Emissions from Scope 1 & 2 have been measured along with a number of Scope 3 emissions. In order to provide a greater understanding of the emissions that sit within the business, an analysis of activity data and spend data has been undertaken in line with the Environmentally Extended Input Output (EEIO) framework developed by the GHG Protocol.

6 Benchmark Year

This is the first time the company has measured and reported on its carbon emissions and therefore this is the benchmark year, i.e. from **April 2022 – March 2023**.

Graphnet Health Carbon Emissions Report

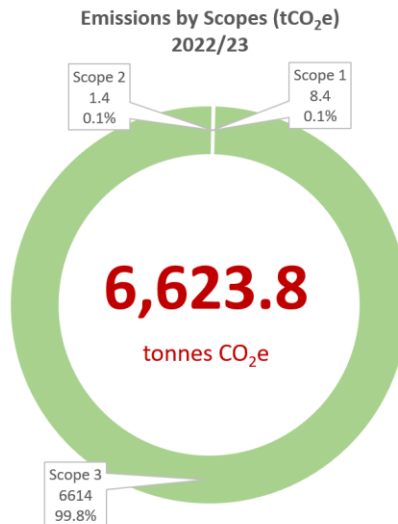
7 Carbon Emissions Overview



The total calculated emissions for the business for the period 2022/23 are 6,623.8 tCO₂e. This is the first year the company has measured its carbon emissions. As such this is the benchmark year of the company with the breakdown of emissions analysed throughout this report.

The Company will aim to measure an increasing amount of Scope 3 emissions and is committed to reducing their emissions across all scopes.

8 Analysis by Scope



Scope 1 emissions amount to 8.4 tCO₂e, representing 0.1% of the company's emissions. Scope 1 emissions includes gas used in the office.

Scope 2 emissions accounts for 0.1% of calculated emissions. This is the electricity used at the company's office. Scope 2 emissions were 1.4 tCO₂e in this period. The office is not on a renewable tariff.

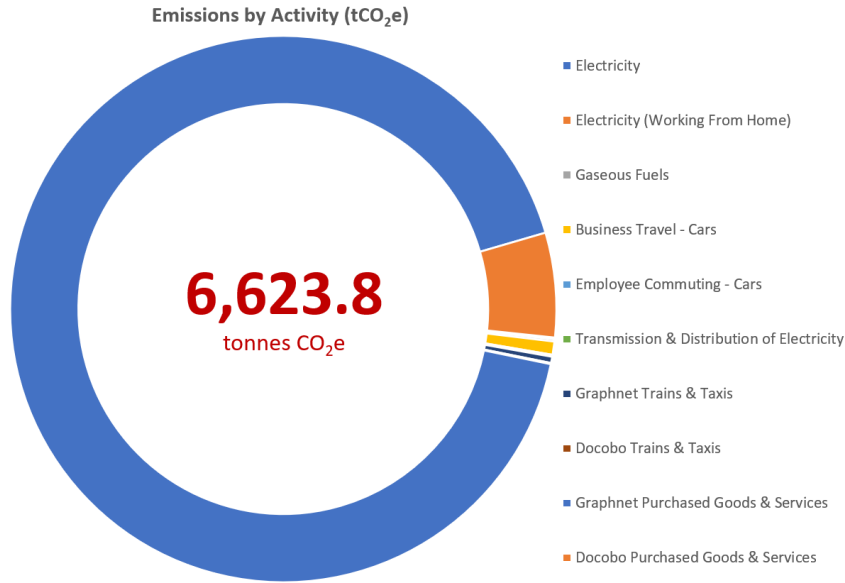
Scope 3 emissions accounts for 99.8% of calculated emissions and includes:

- Employee commuting
- Business Travel
- Transmission and Distribution of Electricity
- Electricity (Work From Home)
- Docobo Trains & Water
- Graphnet Trains & Taxis
- Graphnet Purchased Goods & Services
- Docobo Purchased Goods & Services

Scope 3 emissions were 6,614.0 tCO₂e in this period.

Graphnet Health Carbon Emissions Report

9 Emissions by Activity





Data Details		2022/23		
Emission Type	Scope	tCO ₂ e	Data Source	Data Confidence
Energy & Fuels				
Electricity	2	1.4	Electricity Bills	High
Electricity (Working From Home)	3	5.6	Electricity Bills	High
Gaseous Fuels	1	8.4	Gas Bills	High
Business Travel				
Business Travel - Cars	3	51.6	Fuel Card Spend	High
Employee Commuting				
Employee Commuting - Cars	3	7.6	Employee Survey	Low
Other Emissions calculated				
Transmission & Distribution of Electricity	3	0.1	Electricity Bills	High
Graphnet Trains & Taxis	3	24.5	EEIO Spend Analysis	Medium
Docobo Trains & Water	3	4.6	EEIO Spend Analysis	Medium
Graphnet Purchased Goods & Services	3	6,110.8	EEIO Spend Analysis	Medium
Docobo Purchased Goods & Services	3	409.2	EEIO Spend Analysis	Medium
		6,623.8		

Graphnet Health has calculated its Scope 3 emissions using the GHG Protocol Environmentally Extended Input Output framework (EEIO), which calculates emissions based on spend data from the company's profit & loss statement and balance sheet. This strategy ensures ESWL is able to provide a holistic view of its carbon emissions and has helped identify where the emissions are within the business.

Graphnet Health Carbon Emissions Report

10 Intensity Metric Analysis

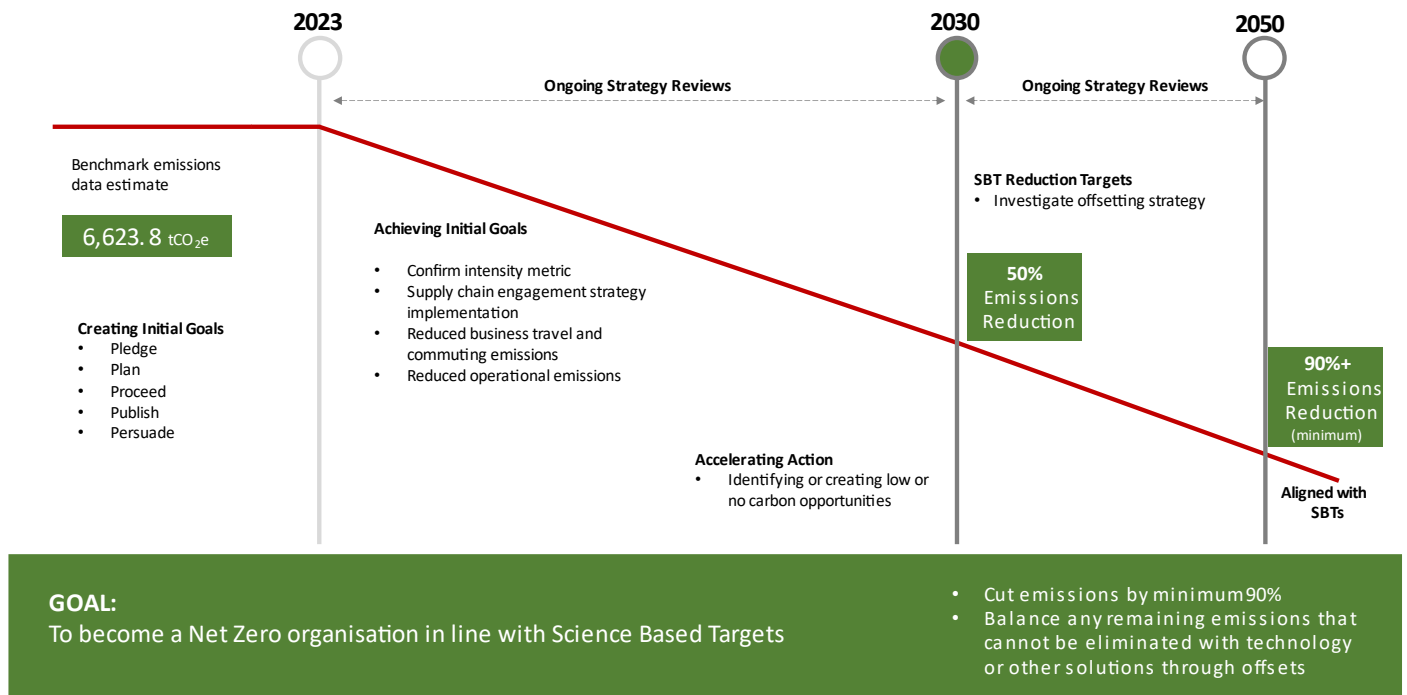
Intensity Metrics (tCO₂e)

 Per Employee	2022/23	
	Scopes 1, 2 & 3	24.8
 Per m ² Office Space	2022/23	
	Scopes 1, 2 & 3	0.6

The chosen intensity metrics shows a carbon emissions value of 24.8 tCO₂e per employee and 0.6 tCO₂e per m² office space. The business headcount averaged 267 people during the benchmark period.

11 Emissions Reductions Targets

Graphnet Health Carbon Reduction Plan – Baseline Year



The following graph summarises the carbon emissions reduction targets.

Graphnet Health Carbon Emissions Report

12 Carbon Reduction Projects

Graphnet Health will develop the following initiatives that will support the company's strategies to meet Science Based Targets:

Strategy	Initiative
Engagement of Team	<ul style="list-style-type: none">To engage the entire team throughout the organisation in the Net Zero transition plan and to encourage staff to support lower carbon ideas, opportunities, and activities.Review the possibilities of hybrid working environments.
Sustainable Travel Policy	<ul style="list-style-type: none">To introduce a sustainable travel policy encouraging use of public transport and lower carbon options when practical to do so. This will be implemented during 2023.
Carbon Emissions Dashboard	<ul style="list-style-type: none">Graphnet Health has made the commitment to complete its carbon emissions dashboard on a regular basis. This is overseen by a member of the Senior Management Team and shared with the wider team on a quarterly basis. By partnering with Net Zero International, we gain access to their expertise and support in reporting our emissions and how to reduce them, including best practice and insights. We will also promote our activities on social media to encourage others to make lower carbon decisions.
Supply Chain Review	<ul style="list-style-type: none">To carry out a full review of the supply chain, developing a full plan in 2023 – 2024, followed by the introduction of a sustainable supply chain policy in 2024.
Consultants Review	<ul style="list-style-type: none">Carry out collaborative analysis of actual emissions with each consultant company and individual to undertake a more accurate calculation of Scope 3 emissions.

Signed on behalf of Graphnet Health

Name:



Position: **Director**

Date: 7th December 2023

Graphnet Health Carbon Emissions Report

13 Emissions Data

The data contained in the table below represents total emissions calculated and is consistent with SECR requirements. All sources of emissions that have been measured are included in the totals below. Emissions from key activities are summarised in the previous sections.

	SECR Status	Current Reporting Year Apr 22 - Mar 23
Energy consumption used to calculate emissions Electricity Scope 2 - UK & Offshore (kWh)	Mandatory	35,471
Energy consumption used to calculate emissions – Global, excluding UK & Offshore (kWh)	Mandatory	N/A
Basis of Energy reporting (Location or Market)		Location & Market
% of total energy sourced from certified renewable sources		0%
Emissions associated with energy consumption - UK, Offshore & Global (tCO ₂ e)		9.8
Emissions from activities for which the company is responsible including combustion of fuel & operation of facilities - Scope 1 (tCO ₂ e)	Mandatory	8.4
Emissions from purchase of electricity, heat, steam and cooling purchased for own use - Scope 2 (tCO ₂ e)	Mandatory	1.4
Total Scope 1 & 2 Emissions (tCO₂e)	Mandatory	9.8
Emissions from upstream activities out of operational control - Scope 3 (tCO ₂ e)	Optional	6,614.0
Emissions from use of sold products and services out of operational control - Scope 3 (tCO ₂ e)	Optional	None included
Total Gross Scope 3 Emissions (tCO₂e)	Optional	6,614.0
Total Scope 1, 2 & 3 Emissions (tCO₂e)	Optional	6,623.8
Intensity ratio tCO ₂ e (gross Scope 1, 2 & 3) per employee	Optional	33.12
Carbon offsets (tCO ₂ e)	Optional	0.0
Total Annual Net Emissions (tCO₂e)	Optional	6,623.8

14 Standard and Methodology Used

Graphnet Health categorises its Greenhouse Gas (GHG) Emissions as Scope 1, 2 or 3 as referred to in the WBCSD – WRI Greenhouse Gas Protocol (revised edition, dated March 2014). Emissions in Carbon Dioxide equivalent (CO₂e) for all scopes are calculated using the conversion factors listed in DESNZ Greenhouse Gas Conversion Factors for the relevant 12-month period over which the Carbon Footprint is calculated. Procured renewable electricity and gas is calculated in accordance with the WBCSD – WSI Scope 2 Guidance on procured renewable energy (2015).

15 Data Quality / Confidence

The data used to generate this report has been collected from various sources from both within the company and using assumptions gathered by Net Zero International. These emissions have been converted to CO₂e using GHG Protocol and DESNZ frameworks and conversion factors for the relevant period.

16 Declaration & Sign Off

This Carbon Reduction Plan has been completed in accordance with SECR, 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 agreed by the board of directors (or equivalent management body).

Signed on behalf of Net Zero International

Name: **David Hawes**



Position: **Co-Founder**

Date **14th December 2023**

Graphnet Health Carbon Emissions Report

17 Glossary

Benchmark Data	The chosen 12-month period that sets the calculated emissions that need to be mitigated and/or offset.
Carbon Reduction	Reduction in measured CO ₂ e emissions
Carbon Reduction Plan	Plan to reduce CO ₂ e emissions over a period of time, updated annually
Carbon Emissions (Gross)	CO ₂ e emissions from Company activities
Carbon Emissions (Net)	CO ₂ e emissions from Company activities minus verified carbon offsets the Company purchases
Carbon Neutral	When emissions are fully offset including those emissions that could be mitigated.
Carbon Offsets	A removal or reduction of carbon emissions through a verified scheme.
CO₂e	All greenhouse gases expressed in terms of Carbon Dioxide equivalent (CO ₂ e) for consistency of reporting.
DESNZ	Department of Energy Security and Net Zero (https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting)
EEIO	Environmentally Extended Input Output – Emissions estimated on spend https://ghgprotocol.org/
GHG Protocol	Greenhouse Gas Protocol https://ghgprotocol.org/
Greenhouse Gases	Carbon Dioxide (CO ₂), Methane (CH ₄), Nitrous Oxide (N ₂ O), Chlorofluorocarbons (CFCs and HCFCs), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulphur Hexafluoride (SF ₆)
Greenhouse Gas Conversion Factors	Annually published conversion factors normally published by relevant government departments. Converts activity into CO ₂ e emissions.
Greenhouse Gas Emissions (GHG)	Gases in the atmosphere that absorb and radiate heat
Intensity Metric/Ratio	A metric that measures carbon emissions per relevant unit of activity in a business.
Market Reporting v Location Reporting	Market is based on specific tariffs. Location is based on the country from which you are reporting.
Net Zero	GHG emissions are mitigated and those that cannot are offset
Renewable Tariff	An energy tariff that is 100% powered by renewable energy and is certified.
SBT	Science Based Targets – reducing emissions by 50% by 2030 and by 90% by 2050 and offsetting the remaining amount.
Scope 1	The fuels that are burnt (gas, transport the company owns, refrigerant gases)
Scope 2	The energy that is bought (electricity from the grid, purchased heat)
Scope 3	Emissions embedded in everything a company buys and emitted as a consequence of everything a company sells.
SECR	Streamlined Energy & Carbon Reporting
tCO₂e	Metric tonnes of CO ₂ equivalent emitted.
WBCSD	World Business Council for Sustainable Development https://www.wbcsd.org/
WRI	World Resource Institute https://www.wri.org/