

CARBON REDUCTION PLAN
TECS SPECIALIST WATER LIMITED
2023-2024

Carbon Reduction Plan prepared by: Net Zero International

Carbon Reduction Plan prepared for: TECS Group

Effective date: 30 June 2024



TECS Group
Carbon Emissions Report

Table of Contents

1	Net Zero Commitment	3
2	Background Information	4
3	Carbon Emissions Overview	6
4	Analysis by Scope	6
5	Emissions by Activity	7
6	Intensity Metric Analysis	8
7	Emissions Reductions Targets	8
8	Carbon Reduction Actions	9
9	Emissions Data	10
10	Standard and Methodology Used	11
11	Data Quality / Confidence	11
12	Declaration & Sign Off	11
13	Glossary	12

TECS Group Carbon Emissions Report

1 Net Zero Commitment

TECS Group 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	2045
50% Emissions Reduction	2030	

2 Background Information

2.1 Company

TECS Specialist Water Limited t/a TECS Group is a Limited Company registered in England, company number: 12941823, with a head office address of First Floor, 48 Warwick Street, London, England, W1B 5AW.

Formed in 2011 by Rory Chichester and Oliver Hutley, TECS Group is a specialist provider of building compliance services. Our core markets are water treatment, water hygiene and legionella control and we work for some of the UK's leading public and private sector organisations

With more than 25 years' experience and specialist knowledge combined with our cutting-edge technologies, we bring peace of mind that our customers managed spaces are comfortable and secure. This is supported by the four pillars of our business – transparency, accountability, professionalism and community – and backed by our commitment to sustainable practices and social responsibility.

We combine our extensive technical expertise with our practical technology solutions to help our customers comply with their complex building compliance requirements.

Here are some of the advantages of partnering with us:

Single provider: our multi-site customers benefit from working with a single specialist provider who self-delivers a wide range of water safety services.

National reach: our services are available across the whole of the UK through strategically located regional operating hubs.

Local delivery: all team members are employed locally to reduce travel times and positively contribute to our wider environmental and social values.

Industry experience: we have years of direct experience in managing and working on complex multi-site contracts across multiple sectors

Qualified experts: our team members are highly skilled and certified in their respective fields, with access to rigorous training programmes designed to keep them up to date.

Rapid response: directly employed engineers and service technicians mean we can quickly respond to emergencies, without relying on sub-contractors.

Our technology: we own our technology IP and are constantly developing it to deliver smarter, more efficient and cost-effective building compliance management.

TECS Group Carbon Emissions Report

2.2 General Data

Reporting Period	Current Period July 2023 – June 2024
Industry	Environmental Services
No. of Staff	13
No. of Offices Owned	0
No. of Offices Leased	1
No. of Company Vehicles - Owned	0
No. of Company Vehicles - Leased	23

2.3 Current Reporting Period

July 2023 – June 2024

2.4 Organisational Boundary

There are 3 different approaches to measuring emissions, as defined by the GHG Protocol. This report has been constructed using the **Operational Control Approach**, considering the requirements of each potential approach.

Approach	Description	Approach Taken
Operational Control	The organisation has operational control over an operation if it or one of its subsidiaries has the full authority to introduce and implement its operating policies at the operation.	✓
Financial Control	The organisation has financial control over the operation if it has the ability to direct the financial and operating policies of the organisation with a view to gaining economic benefits from its activities.	
Equity Share	The organisation accounts for GHG emissions from operations according to its share of equity in the operation.	

2.5 Benchmark Year

The organisation's benchmark year is from **July 2023 – June 2024**. This is the first time the organisation has measured and reported on its carbon emissions.

2.6 Methodologies Used

Throughout this report all methodologies used are explained within the relevant sections.

TECS Group
Carbon Emissions Report

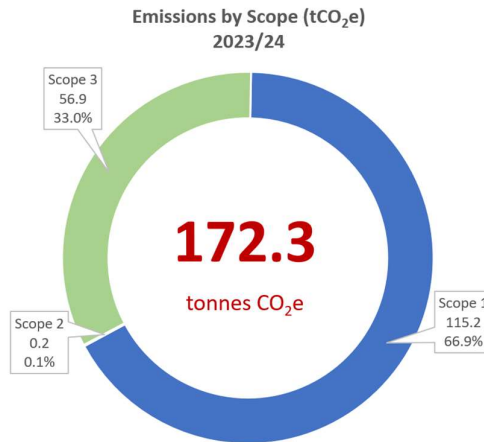
3 Carbon Emissions Overview



The total calculated emissions for the business for the period 2023/24 are 172.3 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.

4 Analysis by Scope

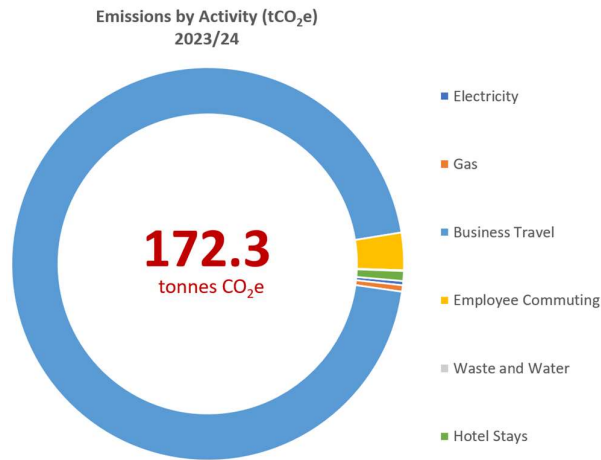


Scope	Description	tCO ₂ e	%
Scope 1	Scope 1 emissions includes fuel from company vehicles and fuels used in the office.	115.2	66.9%
Scope 2	Emissions in scope 2 includes electricity used at the company's office since April 24 when TECS Group took occupation. The office is not on a renewable tariff.	0.2	0.1%
Scope 3	Scope 3 emissions include: <ul style="list-style-type: none"> • Waste and Water • Employee Commuting • Transmission and Distribution of Electricity • Working from Home Electricity • Business Travel • Hotel Stays No courier costs were incurred during the benchmark year.	56.9	33.0%
TOTAL		172.3	100%

Reported Scope 3 emissions will increase in future years as data and information becomes available.

TECS Group
Carbon Emissions Report

5 Emissions by Activity




Data Details		2023-2024		
Emission Type	Scope	tCO ₂ e	Data Source	Data Confidence
Energy				
Gas	1	0.9	Gas Bill	High
Electricity	2	0.2	Electricity Bills	High
Transmission & Distribution	3	0.1	Electricity Bills	High
Employee Commuting				
Cars - Private	3	4.9	Employee Survey	Medium
Rail, Taxis and Bus	3	0.4	Employee Survey	Medium
Business Travel				
Cars - Private	3	37.5	Business Travel Records	Medium
Cars - Company	1	114.3	Business Travel Records	Medium
Vans	3	11.7	Business Travel Records	Medium
Rail	3	0.5	Business Travel Records	Medium
Additional Scope 3 Measured				
Waste and Water	3	0.1	Waste and Water Bills	High
Working from Home Electricity	3	0.3	Employee Survey	Medium
Hotel Stays	3	1.4	EEIO Spend Analysis	Medium
TOTAL		172.3		

TECS Group Carbon Emissions Report

6 Intensity Metric Analysis

Intensity metrics help normalise emissions data, taking into account variations in production levels or activity volumes. This allows for a more accurate assessment of emission trends over time, regardless of changes in business operations. The initial intensity metrics for the company are below and will be used for comparative purposes in following years.

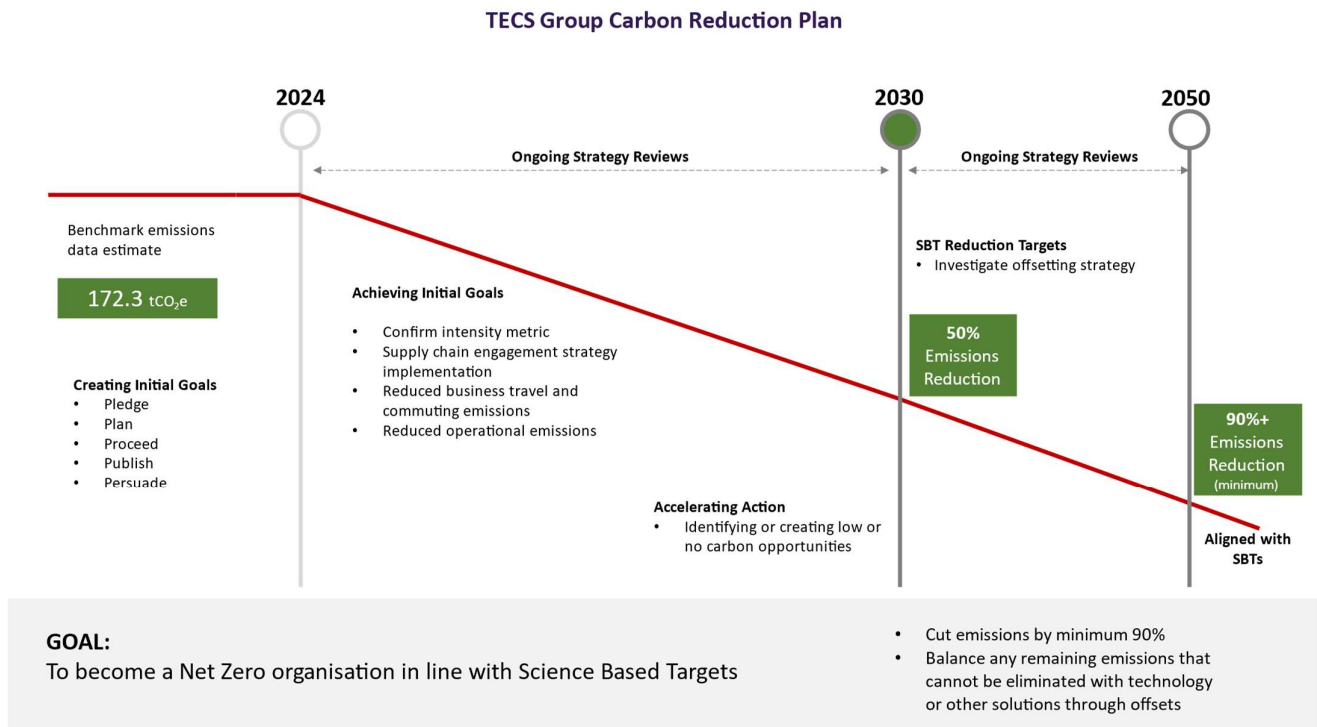
Intensity Metrics (tCO₂e)

 Per Employee	2023/24
Scopes 1, 2 & 3	13.3

The chosen intensity metrics shows a carbon emissions value of **13.3 tCO₂e per employee**. The business headcount averaged 13 people during the benchmark period.

7 Emissions Reductions Targets

The following graph summarises the carbon emissions reduction targets.



TECS Group
Carbon Emissions Report

8 Carbon Reduction Actions

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

Area of Focus	Initiative
Engagement of Team	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.
Business Travel Emissions	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 2024/2025.
Supply Chain Review	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.
Waste Reduction	We will reduce waste through reuse of products and materials and by partnering with suppliers who share our commitment to operating in a sustainable way.
Fleet Emissions	100% of all vehicles in our fleet are at Least Euro 6 or LEV.
Use of Technology	Utilise our proprietary technology (such as remote monitoring) to reduce waste water and vehicle emissions from unnecessary travel to sites.
Use of Technology	We utilise a fully electronic approach to recording and reporting asset and servicing information, reducing paper usage by 98%.
Green Energy Suppliers	We will use Green Energy Suppliers to provide our gas, electricity heating to our offices within the next 2 to 3 years.

Signed on behalf of TECS Group

Name: Rory Chichester



Position: **Chief Executive Officer**

Date: 16/07/24

TECS Group
Carbon Emissions Report

9 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.

	Current Reporting Year Jul 23 - Jun 24
Energy consumption used to calculate emissions Electricity Scope 2 - UK & Offshore (kWh)	2,159
Energy consumption used to calculate emissions – Global, excluding UK & Offshore (kWh)	N/A
Basis of Energy reporting (Location or Market)*	Location
% of total energy sourced from certified renewable sources	0%
Emissions associated with energy consumption - UK, Offshore & Global (tCO ₂ e)	0.2
Emissions from activities for which the company is responsible including combustion of fuel & operation of facilities - Scope 1 (tCO ₂ e)	115.2
Emissions from purchase of electricity, heat, steam and cooling purchased for own use - Scope 2 (tCO ₂ e)	0.2
Total Scope 1 & 2 Emissions (tCO₂e)	115.4
Emissions from upstream activities out of operational control - Scope 3 (tCO ₂ e)	56.9
Emissions from use of sold products and services out of operational control - Scope 3 (tCO ₂ e)	None included
Total Gross Scope 3 Emissions (tCO₂e)	56.9
Total Scope 1, 2 & 3 Emissions (tCO₂e)	172.3
Intensity ratio tCO ₂ e (gross Scope 1, 2 & 3) per employee	13.3
Carbon offsets (tCO ₂ e)	0.0
Total Annual Net Emissions (tCO₂e)	172.3

* A location-based method reflects the average emissions intensity of grids on which energy consumption occurs (using mostly grid-average emission factor data). A market-based method reflects emissions from electricity that companies have purposefully chosen.

10 Standard and Methodology Used

TECS Group 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).

11 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.

12 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 and signed by the Chief Executive Officer.

Signed on behalf of Net Zero International

Name: **Chris Williams**



Position: **Co-Founder**

Date: 16/07/24

TECS Group
Carbon Emissions Report

13 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/
Organisational Boundaries	GHG Protocol Organisational Boundaries https://ghgprotocol.org/sites/default/files/standards/ghg-protocol-revised.pdf
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/