

Carbon Reduction Plan

Supplier name: Mercator IT Solutions Ltd

Publication date: 11th October 2023

Commitment to achieving Net Zero

Mercator IT Solutions Ltd is committed to achieving Net Zero emissions by **2030**.

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: 2021				
Additional Details relating to the Baseline Emissions calculations.				
Mercator has not previously assessed or reported emissions, the first reporting year is therefore being used as the Baseline Year (2021)				
Baseline year emissions:				
EMISSIONS	TOTAL (tCO_{2e})			
Scope 1	5.35500			
Scope 2	1.75048			
Scope 3 (Included Sources)	Scope 3 Category	Category Name	Total kg CO_{2e}	Total tonnes CO_{2e}
	4	Upstream transportation and distribution	0.00	0.00000
	5	Waste generated in operations	0.00	0.00000
	6	Business travel	0.00	0.00000
	7	Employee commuting	12375.02	12.375021
	9	Downstream transportation and distribution	0.00	0.00000



Scope 3 Explanations and Assumptions

Category 4 – Upstream Transportation and Distribution

Mercator IT Solutions Ltd is an IT consultancy delivering digital transformation services and as such it does not sell any physical products. As a result there are no category 4 emissions.

Category 5 – Waste Generated in Operations

Mercator IT Solutions Ltd is an IT consultancy delivering digital transformation services and as such it does not manufacture/create physical products. As a result there are no category 5 emissions.

Category 6 – Business Travel

No data is available in this category for 2021

Category 7 – Employee Commuting

- In order to calculate a baseline figure for employee commuting the following assumptions have been made:
- There were 33 members of staff in 2021, 14 of which were regularly in the office. All were fulltime so assumed 5 days per week in the office with an average of 23.7 days holiday (some staff have 20 days and some have 25) plus 8 bank holidays. This equates 228.3 days worked per person in the office.
- The average distance from each employee’s home to the office is 8 miles (16 there and back). For the calculation Mercator assumed all travel was by diesel car with average an economy in mpg of 50 – this equates to 1.45 litres used per 16 miles.
- 15 employees worked almost exclusively from home.

Calculation was therefore as follows:

number of workers X number of days in office X number of litres used for return journey

14 workers X 228.3 days in office X 1.45 litres of diesel used for return journey = 4634.49 litres consumed for employee commuting

Conversion factor for Diesel (biofuel blend) = 2.56

Conversion factor for out of scope biofuel blend = 0.1102

4634.49 X 2.56 = 11,864.294

4634.49 X 0.1102 = 510.72079

Total kg CO₂e = converted diesel amount + converted out of scope biofuel amount

Total kg CO₂e = 11,864.294 + 510.7279 = 12,375.021

Total tCO₂e = 12.375021

Total Emissions	19.4805
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Current Emissions Reporting

Reporting Year: 2022					
EMISSIONS	TOTAL (tCO_{2e})				
Scope 1	25.32279307				
Scope 2	0.86772410				
Scope 3 (Included Sources)	Scope 3 Category	Category Name	Total kg CO_{2e}	Total tonnes CO_{2e}	
	4	Upstream transportation and distribution	0.00	0.00000	
	5	Waste generated in operations	0.00	0.00000	
	6	Business travel	0.00	0.00000	
	7	Employee commuting	9130.660122	9.13066	
	7	Employee commuting – out of scope source (biogenic from diesel) <i>As per guidelines, this figure is shown for transparency and is not included in total figures</i>	2.537007	0.00254	
	7	Employee teleworking	36368.67	36.36867	
	9	Downstream transportation and distribution	0.00	0.00000	
	Scope 3 Explanations and Assumptions				
	<u>Category 4 – Upstream Transportation and Distribution</u>				
Mercator IT Solutions Ltd is an IT consultancy delivering digital transformation services and as such it does not sell any physical products. As a result there are no category 4 emissions.					
<u>Category 5 – Waste Generated in Operations</u>					
Mercator IT Solutions Ltd is an IT consultancy delivering digital transformation services and as such it does not manufacture/create physical products. As a result there are no category 5 emissions.					
<u>Category 6 – Business Travel</u>					



	<p>No data is available in this category for 2022</p> <p><u>Category 7 – Employee Commuting</u></p> <ul style="list-style-type: none"> • There were a total of 78 members of staff in 2022, 18 of these worked regularly in the office. All were fulltime so assumed 5 days per week in the office with 25 days holiday plus 8 bank holidays. This gives us a figure for how many days worked each month being 18.9166667 days. • However, not all were working 12 months so we have calculated each individual employee based on how many months they worked in 2022. • For the calculation we assumed all travel was by diesel car with an average economy in mpg of 50 – this equates to 10.998 mpl. <p>Calculation was therefore as follows:</p> <p>Distance to office and back for each employee ÷ mpl = total daily litres x 18.9166667 average days worked per month x how many months worked = annual litres consumed for each individual employee</p> <p>Conversion factor for Diesel (biofuel blend) = 2.51206388456376</p> <p>Conversion factor for out of scope biofuel blend = 0.14</p> <p>3634.72449 x 2.51206388456376 = 9130.660122</p> <p>3634.72449 x 0.14 = 0.00254</p> <p>Total kgCO₂e = 9130.660122</p> <p>Total tCO₂e = 9.130660122</p> <p><u>Category 7 – Employee Teleworking</u></p> <p>Out of the 78 workers we had in 2022, 60 of these worked from home. For this calculation we have assumed 5 days per week with 25 days holiday + 8 bank holidays = 18.9166667 working days per month. Each employee’s calculation has been individually worked out based on how many months they worked during the year.</p> <p>The calculation was therefore as follows:</p> <p>Number of hours worked per month x number of months worked = annual number of hours worked per employee. Add all employees consumption together.</p> <p>Conversion factor for teleworking = 0.33378</p> <p>Total employee’s annual consumption = 108959.99</p> <p>108959.99 x 0.33378 = 36368.67</p> <p>Total kgCO₂e = 36368.67</p> <p>Total tCO₂e = 36.36867</p> <p><u>Category 9 - Downstream Transportation and Distribution</u></p> <p>No data is available in this category for 2022</p> <p>Total scope 3 = 9.130660122 + 36.36867 = 45.4993301</p>
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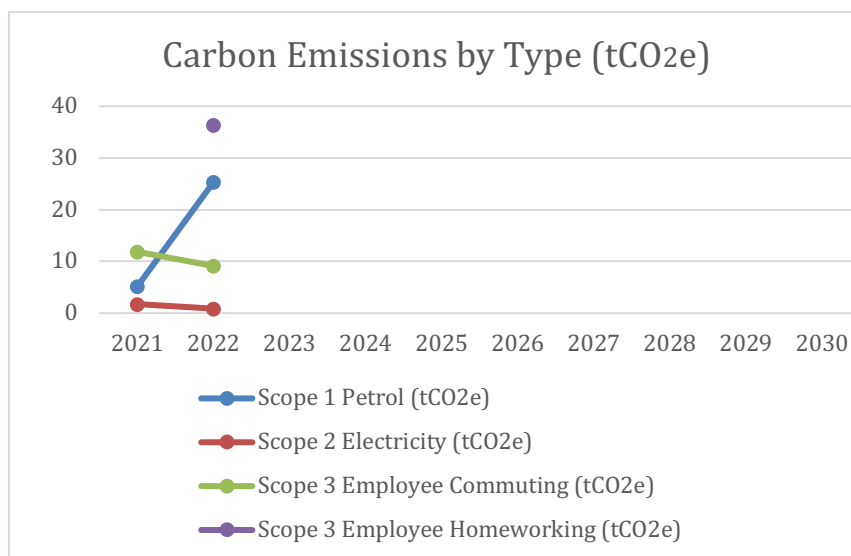
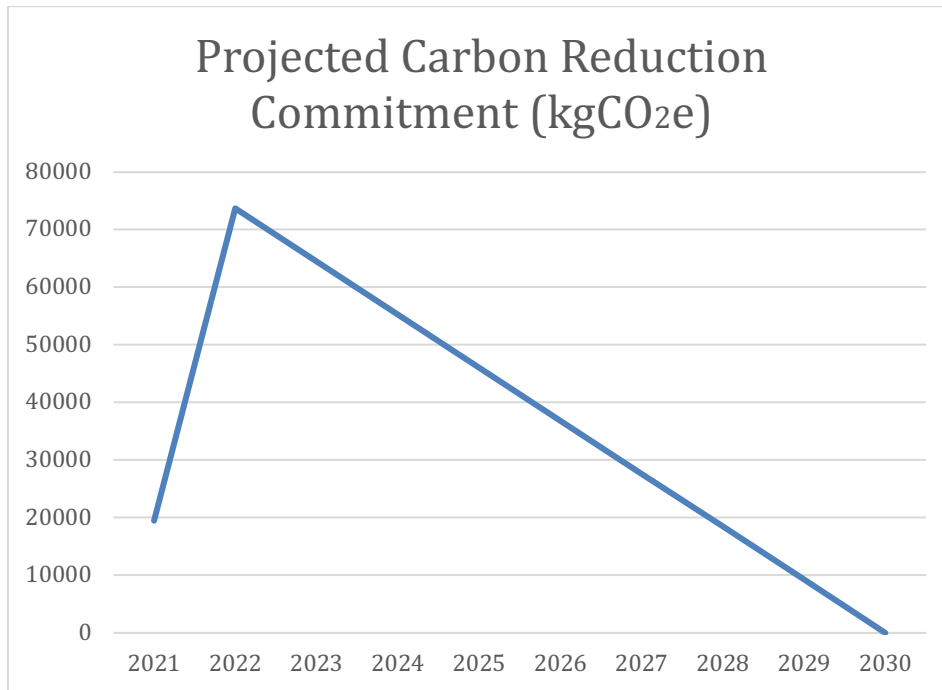


Total Emissions	45.5255206
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Emissions reduction targets

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

We project that carbon emissions will decrease over the next five years to **36.85592 tCO₂e** by **2026**.



Explanation of numbers

- The number of employees has increased from 33 to 78 which is a 136.36% increase so we would expect our carbon emissions to have increased.



- We are now measuring homeworking in more detail to enable us to track and see where we can make changes (Employee homeworking was not reported in our baseline year).
- Fuel calculations were done in more detail by basing them on the number of months each employee worked in the reporting period.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented.

Mercator has set up a Cycle to Work scheme to encourage those employees working near to their homes to cycle to work instead of using their cars.

- We have set up a salary sacrifice scheme with Octopus to encourage staff to purchase electric vehicles.
- Mercator has a certificate for ISO14001.
- Mercator has signed up to SBTi.
- We encourage all staff to print as little as possible, as printing is sometimes unavoidable we have made sure that all the paper we buy is recycled. We also have recycling bins and recyclable bin bags throughout the office as well as a battery recycling bin.

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

- Mercator intend to log business travel in more detail going forward. This will show us where we can make changes to have the biggest impact.
- We are currently in a leased building where we have no control over the choice of energy supplier or how the heating is produced (type of boiler etc). We have recently purchased a new building which requires conversion, giving us the ability to build in sustainability. This building will have multiple energy saving features including solar panels, batteries to store generated electricity, a grid tied inverter, air source heat pumps, rainwater harvesting tanks, electric vehicle charging points (free for staff), bike racks, automatic eco-lights, individually zoned thermostatic heating, triple glazing and vacuum insulated panels with highest rated insulation (R rating of 45 as opposed to recommended R rating of 6.1-7). In addition to this we will deliver biodiversity net gain by creating wildflower habitats on site.

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:

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>



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