



# Carbon Reduction Plan For AIRDAT

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# Our Commitment

**AIRDAT is committed to achieving Net Zero emissions by 2030.**

## What does Net Zero mean in practice?

To achieve Net Zero, we will be aiming to reduce emissions in line with the latest science-based targets (SBTs). SBTs are greenhouse gas reduction goals set by organisations, they are defined as “science-based” when they align with the scale of reductions required to limit global temperature increases to 1.5°C compared to pre-industrial temperatures. To achieve Net Zero under this scenario, we will need to reduce our absolute emissions by 90% from our baseline year.

SBTi recommends that organisations commit to near-term targets (that cover a minimum of 5 years/maximum of 10 years from the baseline year), as well as long-term targets.

## Our targets:

- Reduce our Scope 1 & market-based\* 2 emissions to zero by 2027.
- Reduce our Scope 3 emissions by 60% from our baseline year by 2027.
- Reduce our Scope 3 emissions by at least 90% from our baseline year by 2030.

## What emissions are covered by our targets?

- Scope 1 emissions: direct greenhouse gas emissions that occur from sources owned or controlled by a company, such as emissions from the combustion of fuels in on-site boilers, furnaces, or vehicles.
- Scope 2 emissions: indirect greenhouse gas emissions that result from the generation of purchased electricity, steam or other forms of energy consumed by a company.
- Scope 3 emissions: all other indirect greenhouse gas emissions that occur in an organisation’s value chain, including emissions from upstream and downstream activities.

\*Purchased electricity can be measured in two ways. 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 the electricity that companies have purposefully chosen (or their lack of choice). A market-based method therefore takes into account the purchase of electricity via a verified renewable energy tariff. We have chosen to base our Net Zero target on a market-based methodology.

# Our Carbon Footprint

## 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. We have chosen to set our baseline year as 1st January 2021 - 31st December 2021.

Baseline Year: 2021	
All scope 1, scope 2 and upstream scope 3 emissions were measured using the operation control approach.	
Emissions	Total (tonnes CO <sub>2</sub> e)
Scope 1	0
Scope 2	Market-based: 0 Location-based: 0
Scope 3	61.1
Total Emissions	Market-based: 61.1 Location-based: 61.1

## Carbon Intensity Metrics

Metric	Carbon Intensity (tonnes CO <sub>2</sub> e / unit)
Employees	6.8 tCO <sub>2</sub> e per employee
Turnover (£)	

Carbon intensity metrics are calculated using total market-based emissions.

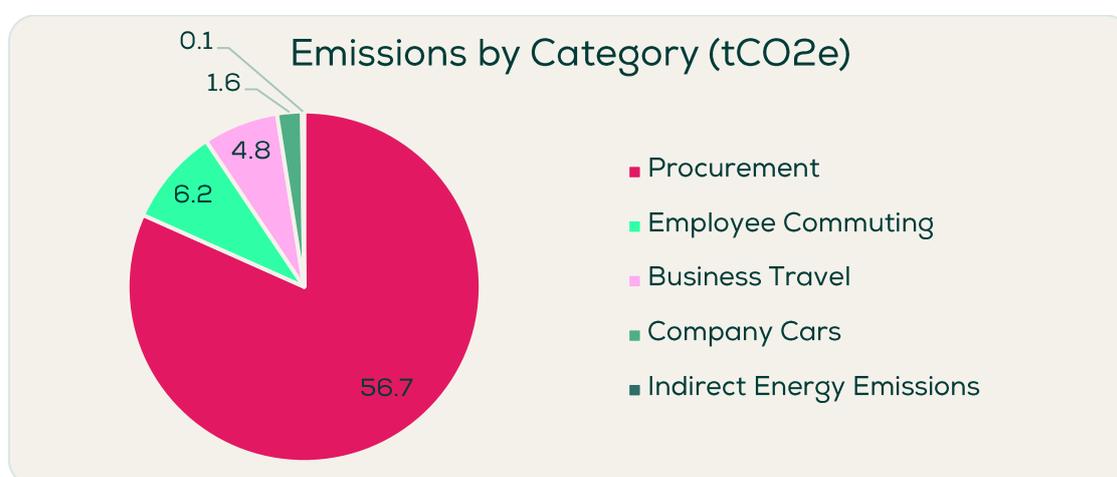
# Current Emissions Reporting

Current Reporting Year: 2023	
All scope 1, scope 2 and upstream scope 3 emissions were measured using the operation control approach.	
Emissions	Total (tonnes CO <sub>2</sub> e)
Scope 1	1.0
Scope 2	Market-based: 0.5 Location-based: 0.5
Scope 3	67.8
<b>Total Emissions*</b>	<b>Market-based: 69.3 Location-based: 69.3</b>

## Carbon Intensity Metrics

Metric	Carbon Intensity (tonnes CO <sub>2</sub> e / unit)
Employees	3.6 tCO <sub>2</sub> e per employee
Revenue (£)	24.6 tCO <sub>2</sub> e per million in revenue

Carbon intensity metrics are calculated using total market-based emissions.

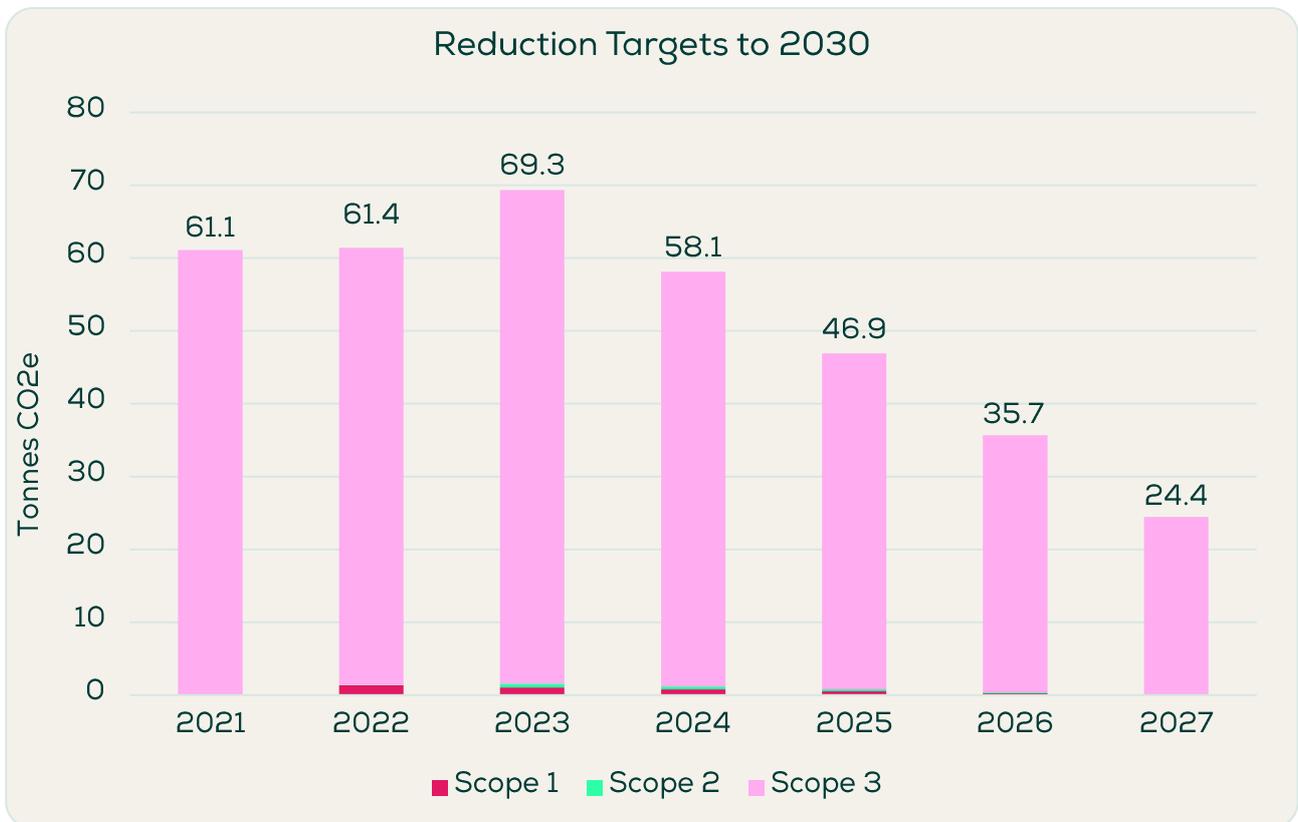


# Carbon Reduction

## Our Targets

AIRDAT is committed to achieving Net Zero by 2030. To achieve Net Zero under this scenario, we will need to reduce our absolute emissions by 90% from our baseline year. To keep us on track, we have also set the following near-term targets to 2027:

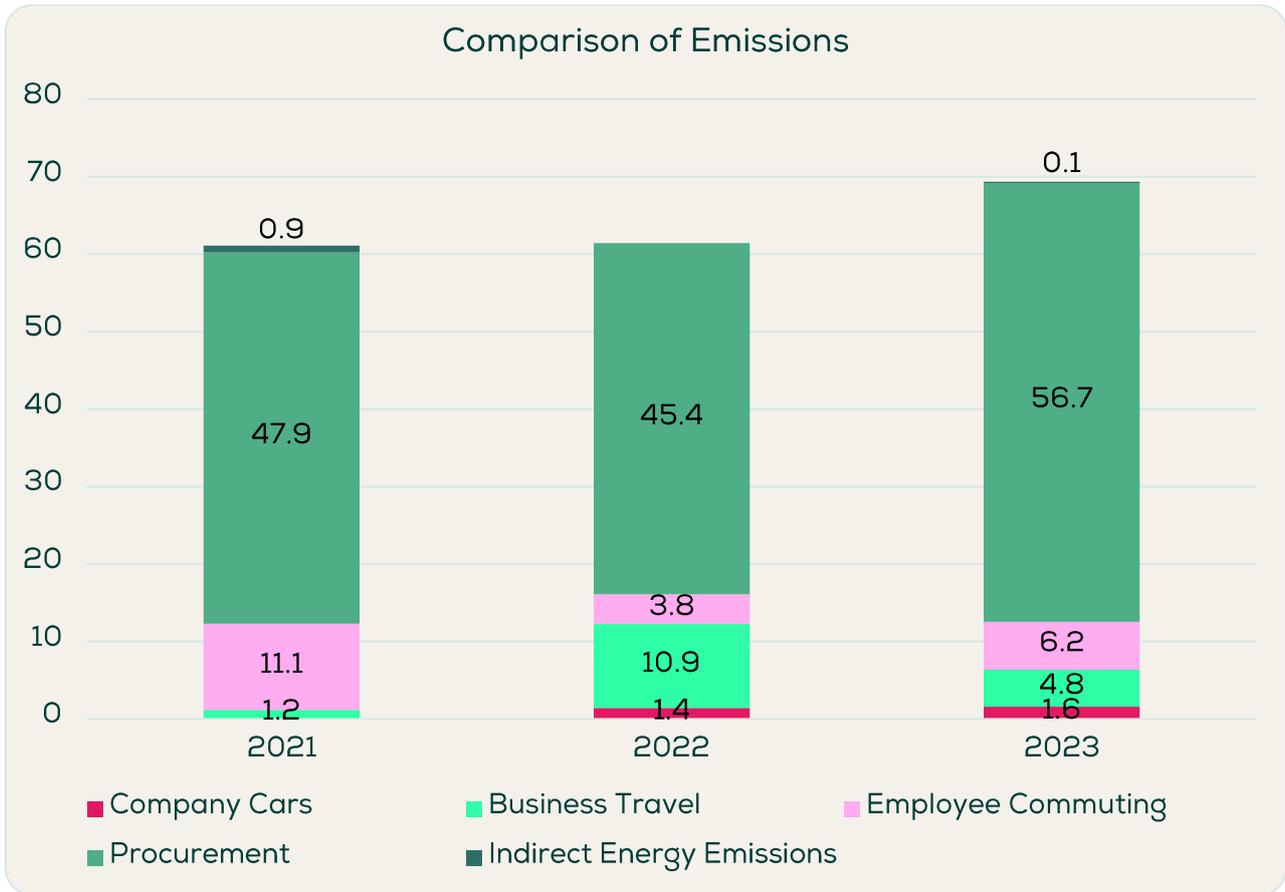
- Reduce our Scope 1 & market-based\* 2 emissions to zero by 2027.
- Reduce our Scope 3 emissions by 60% from our baseline year by 2027.



To meet our 2027 reduction targets, we will need to reduce scope 1 emissions by 0.26 tCO2e each year, our scope 2 emissions by 0.13 tCO2e each year and our scope 3 emissions by 10.83 tCO2e each year.

## Progress

Our absolute emissions have increased since our baseline measurement by 13%. This is mainly due to an increase in our procurement emissions which have increased due to increased spending. We have reduced our business travel emissions since year 2, but these are still not below the baseline level.



## Completed Carbon Reduction Initiatives

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

Activity	Completion Date	Scope
Commit to measuring carbon emissions year-on-year and using results to track progress and inform carbon reduction action plans.	2021	1, 2 & 3
Encourage staff homeworking and introduce a 4-day working week to reduce travel emissions. A 10% reduction in working hours reduced carbon emissions by 8.6% on average.	2023	3
Introduce a cycle-to-work scheme to support staff to commute sustainably.	2022	3

## Future Carbon Reduction Plans

We are committing to action the following emissions management measures and projects in line with our Net Zero targets.

Activity No.	Activity	Target Date	Category
1	<p><b><u>Company Cars</u></b> We have already got rid of our electric company vehicle as we decided it was no longer needed. Our remaining vehicles are the combustion engine vans that we use onsite at airports, which we commit to switching to electric alternatives at the end of life/lease.</p>	2025	Mobile Combustion & Purchased Electricity
2	<p><b><u>Suppliers</u></b> Reducing emissions from the purchase of goods and services will involve a reduction in emissions across our supply chain. If we are to reach our targets, we will need to work with businesses with similar targets and those who can supply emissions data.</p> <p>To take some initial steps towards supply chain decarbonisation, we will survey our top suppliers (based on spend) to find out if they have set any Net Zero targets if they have measured their organisational emissions or product emissions, and if they have any carbon reduction plans in place.</p> <p>We will use the responses from the survey to set some targets surrounding engagement and data collection and plan out our next steps. Where suppliers have started to measure emissions, we will also be able to use this data in our next measurement to increase the accuracy of our results.</p>	2024	Goods & Services
3	<p><b><u>Workforce</u></b> Our teams must be contributing to our carbon reduction actions if they are to be successful. To assess the need for training, find out how we may better support staff to perform their roles sustainably and communicate our</p>	2025	All scopes and categories

	<p>commitment to carbon reduction, we will send a survey to staff asking for their thoughts. There will be opportunities within the survey for staff to give ideas, and we will also use this survey to learn more about our employees' working-from-home habits (If they are happy to share).</p>		
4	<p><b><u>Data Quality Improvements</u></b></p> <p>We are currently measuring our footprint using a large amount of low-quality data, currently, 91% of our emissions are being calculated using spend. 81% of emissions fall within the procurement category, and to improve data quality here we will need to collect emissions data from suppliers which is not always available. 10% of emissions that were calculated using spend, however, fall within the business travel, and company car categories and high-quality activity data should be collected and submitted for these activities. This year, we will ensure distance and mode (for travel) and number of nights stayed (for hotels) are logged when booking travel, we will also make sure to track the amount of fuel (in litres) purchased for our site vans.</p>	2025	Mobile Combustion, Business Travel

# Declaration and Sign Off

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

This Carbon Management Plan has been reviewed and approved by the AIRDAT Executive Team.

Signed on behalf of AIRDAT:

Name: Kelly Hayes

Position: Finance Lead

Date: 06/06/24

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

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