

AGD Systems Ltd Greenhouse Gas Report

1st May 2024 – 30th April 2025

Contents

- 1.1 Assertion**
- 1.2 Company Information**
- 1.3 Company Structure**
- 1.4 Reporting Period**
- 1.5 Responsible Person**
- 1.6 Change in Emissions**
- 1.7 Approach and Quantification Methodology**
- 1.8 Organisational Boundary**
- 1.9 Organisational Scope**
- 1.10 Base Year**
- 1.11 Quantification of Greenhouse Gas Emissions**
- 1.12 Exclusion of Greenhouse Gas Sources**
- 1.13 Uncertainties in Accuracy of Data**
- 1.14 Changes**
- 1.15 External Assurance Statement**
- 1.16 Future Targets**
- 1.17 Outside of Scope Emissions**
- 2.0 Management Declaration**

This Greenhouse Gas report has been prepared in accordance with ISO14064 Section 7.3, from DEFRA "Guidance on how to measure and report your greenhouse gas emissions" and the Greenhouse Gas Protocol "Technical Guidance for Calculating Scope 3 Emissions" and "Corporate Value Chain (Scope 3) Accounting and Reporting Standard"

1.1 Assertion

This report presents the Greenhouse Gas (GHG) inventory for AGD Systems Ltd based on the reporting period 1st May 2024 to 30th April 2025. AGD Systems is based out of Cheltenham. The total gross GHG footprint for this period is 386 tonnes of CO₂ equivalent (tCO₂e). This inventory has been prepared in accordance with the principles and requirements of ISO 14064-1:2018.

1.1.1 Scope 1, 2 and Scope 3 Emissions

GHG Inventory Categories

In line with section 5.2.4 of ISO14064-1:2019, GHG emissions have been categorised as follows as per Appendix 1 :

a) Direct GHG emissions,

Scope 1 – Company Facilities 5.737 tCO₂e, Company Vehicles 6.6 tCO₂e

b) Indirect GHG emissions from imported energy, **Scope 2** – 17.593 tCO₂e

c) Indirect emissions from other sources, **Scope 3** – 356.46 tCO₂e

Category 1 – Procurement 241.99 tCO₂e

Category 3 – T&D losses 1.538 tCO₂e

Category 5 – Waste 0.0619 tCO₂e

Category 6 – Business Travel 22.55 tCO₂e

Category 7 – Commuting & home working 90.32 tCO₂e

1.2 Company Information

Total employees across AGD Systems Ltd:

Average number of employees = 52

(Calculated number of employees on payroll at the end of each month divided by 12)

Average number of part-time employees = 7

Definition Work less than a standard 37.5 hour week

(Calculated number of employees on payroll working less than 37.5 hours per week divided by 12)

Vehicles : 4 EV

1.3 Company Structure

AGD Systems is part of a wider group of businesses, including Traffic Group Signals (TGS) and MAV. All three businesses come under the family-owned business of The Traffic Group (TTG). AGD designs and manufactures products for highways monitoring for the UK market and around the world. This activity includes administration and engineering development of products. Commercial activity is conducted through office based/home working/off site visits. Service and Support is performed through off-site visits in addition to repairs being conducted within the Cheltenham site. The company uses physical resources such as production/office/IT equipment to support their offering.

1.4 Reporting Period

Period of reporting is for the date range 1st May 2024 – 30th April 2025

1.5 Responsible Person

The organisation is split into a typical management hierarchy. The company is led by the Managing Director, who shows ultimate responsibility for the reporting and accuracy of the data provided.

1.6 Change in Scope 1 and 2 Emissions

No change in emissions, as this data serves as the baseline for future reporting.

1.7 Approach and Quantification Methodology

Data is based on conversion factors provided by the UK Government and calculated using a methodology in accordance with ISO14064-1. Conversion factors were taken from the June 2024 release and calculated using the Majority approach.

1.8 Organisational Boundary

Operational control approach.

1.9 Operational Scope

Data is for scope 1, 2 and 3

1.10 Base Year

Base year targeted as the current year, from May 2024 to April 2025. Significant restructuring or business changes of around 5% may require a re-evaluation of the previously reported data.

1.11 Quantification of Greenhouse Gas emissions

Data is based on conversion factors provided by the UK Government and calculated using a methodology in accordance with ISO14064-1.

1.12 Exclusion of Greenhouse Gas Sources

While AGD Systems Ltd has aimed for a comprehensive Scope 3 inventory, the following categories of Scope 3 emissions are excluded from this 2024/25 GHG inventory:

- **Category 2: Capital Goods:** Not applicable as we purchase minimal machinery and equipment.
- **Category 4: Upstream Transportation and Distribution:** Not applicable as we have limited information on component distribution.
- **Category 8: Upstream leased assets:** Not applicable as there are no significant assets leased by AGD Systems Ltd outside of those whose emissions are captured in Scope 1 or 2.
- **Category 9: Downstream transportation and distribution:** Not applicable as product distribution is to customer depots and not to the final location for which we have limited information.
- **Category 10: Processing of sold products:** Not applicable as AGD Systems Ltd does not process sold products.
- **Category 11: Use of sold products.** Not available, as we do not know how many products are in use in the field.
- **Category 13: Downstream leased assets:** Not applicable as AGD Systems Ltd does not lease out significant assets.
- **Category 14: Franchises:** Not applicable as AGD Systems Ltd does not operate a franchise model.
- **Category 15: Investments:** Excluded for this initial inventory due to complexity and prioritisation of operational data.

1.13 Uncertainties in Accuracy of Data

No known uncertainties at the time of data being published.

1.14 Changes

No changes. First year of reporting.

1.15 External Assurance Statement

No external 3rd party data verification, but may be explored for future reports.

Targets & Future Actions

Target:

AGD is committed to achieving the UK Government's objective of net zero by 2050. In order to align AGD with this, we have set a target of 62 CO₂ tonne reduction by 2030, which equates to a 4% reduction per year. *

**This value is calculated from the 24/25 baseline, and any changes to the organisation may impact this value and will be adjusted accordingly.*

Future Actions:

AGD manufacturing is housed in a building that is carbon positive, where solar panels produce more power over the year than the building and EV charge points consume.

Scope 1 – Switch to 100% renewable heating.

Scope 1 – Switch to electric vehicles.

Scope 2 – Switch to 100% renewable electricity. Install further solar panels.

Scope 3 – Source parts from local suppliers where possible. Improve product training aids for customers, reducing the need for customer visits.

1.17 Outside of Scopes Emissions

No outside significant sources identified.

2.0 Management Declaration

I confirm that the above data is correct, complete and is applicable to all AGD Systems' facilities for the period 1st May 2024 to 30th April 2025.

Name	Dawn Woodward
Position	Managing Director
Date	1 st August 2025