



Sample Scope 1 and 2 Report

Table of Contents

Sample Scope 1 and 2 Report	1
Table of Contents	2
Figures and Tables	2
Introduction	3
1. Methodology	4
1.1 System Boundary	4
2. Scope 1 and 2 Emissions	5
2.1 Overview	5
2.2 GHG Inventory	6
2.2.1 Scope 1	6
2.2.2 Scope 2	7
3. Summary	8
4. Exclusions & Limitations	9
4.1 Exclusions	9
5. Anomalies	9

Figures and Tables

Figure 1. Scope 1, 2, and 3 Activities Diagram	4
Figure 2. Scope 1 and 2 Emissions Breakdown	5
Figure 3. Scope 1 Emissions	6
Table 1. Scope 1 GHG Inventory	6
Figure 4. Scope 2 Emissions	7
Table 2. Scope 2 GHG Inventory	7
Table 3. Scope 1 and 2 Emissions	8
Table 4. Exclusions & Limitations	9
Table 5. Anomalies	9

Introduction

EcoTech is a forward-thinking company dedicated to providing innovative environmental technologies. This report provides a breakdown of EcoTech’s Scope 1 and 2 Greenhouse Gas (GHG) emissions for the year 2023. Assumptions and methodologies specific to each scope are provided to ensure transparency and reliability.

Company Overview

CO2e Impact per Revenue	Company Total Impact
0.18	126.54 tonne CO2e per year

Total Employees	Total Facilities	Average Commute Distance	Total Products	Total Volume
948	2 	4.01 km	521 products	10,392 units per year

Facility Overview 2

Total Impact of Facilities
104.47 tonne CO2e per year

Shenzhen Factory

Impact	CO2e Impact per dollar(\$)
71.91 tonne CO2e per year	0.24

# of Employees	Avg Commute Distance
581	3.21 km

Location
 China, Guangdong Province, Shenzhen

Energy Requirements
45,000 kWh — 350,000 kWh

Total Products	Total Volume
521 products	24,210 units per year



Germany Factory

Impact	CO2e Impact per dollar(\$)
32.56 tonne CO2e per year	0.18

# of Employees	Avg Commute Distance
367	4.82 km

Location
 Am Heiligenhaus, Mainz, Germany

Energy Requirements
35,000 kWh — 150,000 kWh

Total Products	Total Volume
521 products	10,392 units per year



1. Methodology

The GHG inventory for EcoTech was created using methodologies consistent with the GHG Protocol. An effort was made to collect primary data wherever feasible and was prioritized based on materiality. EcoTech’s GHG inventory was developed to include Scope 1 and Scope 2 GHG emissions for the year 2023.

The raw data collected during the life cycle inventory collection phase was converted to environmental impact numbers using life cycle impact assessment (LCIA) methods. The LCIA method applied in this report was “EFv3.0 no LT,” and the Global Warming Potential (GWP) results were calculated to represent the environmental impact as a single carbon impact score, measured in tonnes of carbon dioxide equivalent (tCO₂e).

 GREENHOUSE GAS PROTOCOL

 Environmental Footprint
EF V3.0 no LT

 GRI
SOFTWARE AND
TOOLS PARTNER
2024

1.1 System Boundary

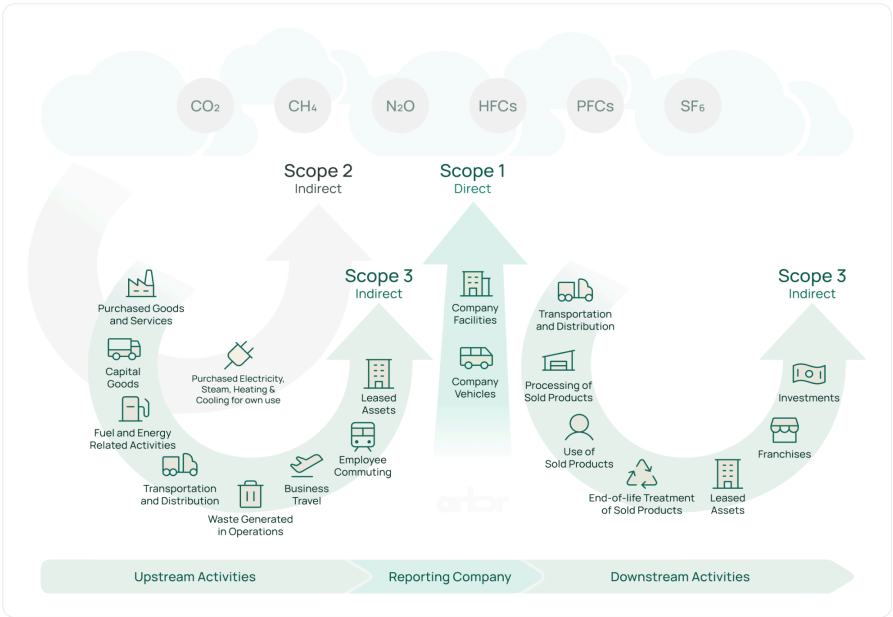


Figure 1. Scope 1, 2, and 3 Activities Diagram

2. Scope 1 and 2 Emissions

2.1 Overview

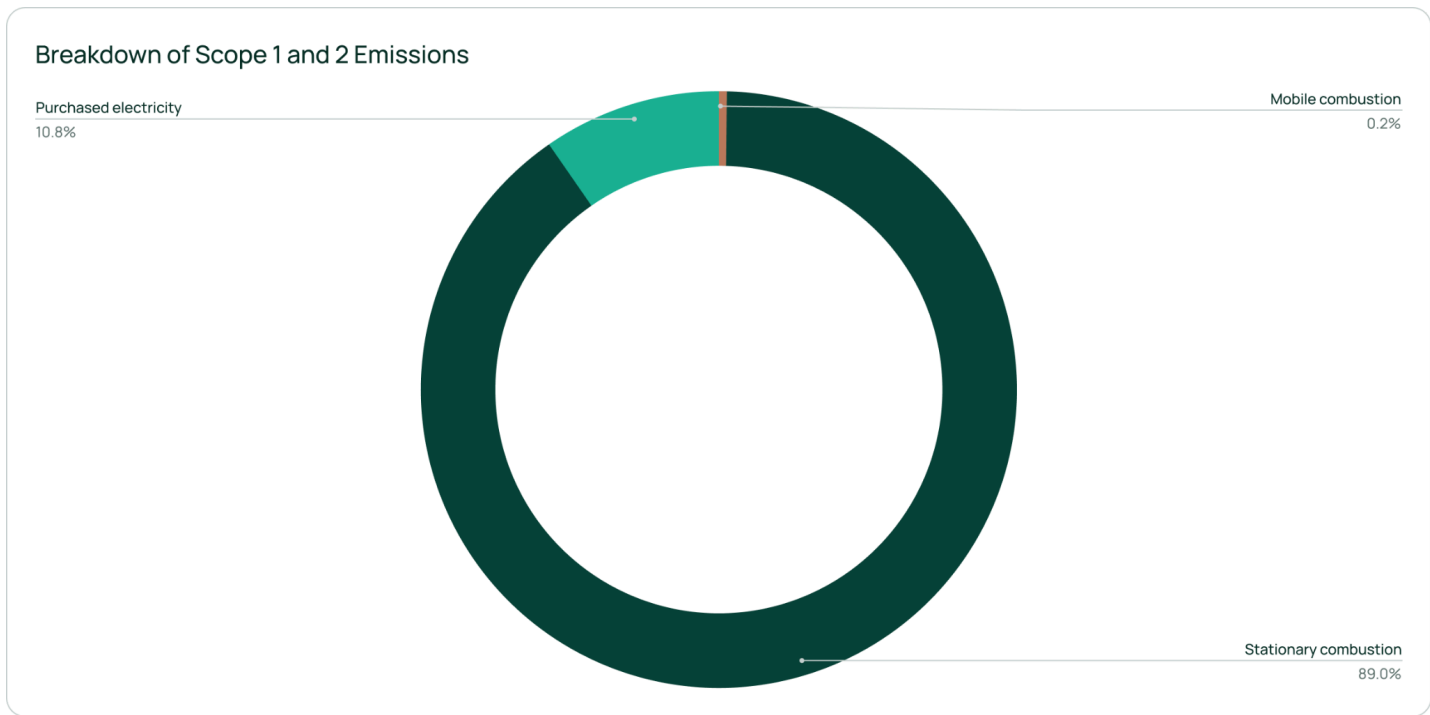


Figure 2. Scope 1 and 2 Emissions Breakdown

2.2 GHG Inventory

2.2.1 Scope 1

For the selected base year 2023, Table 1 outlines the total Scope 1 emissions, and Table 2 outlines the total Scope 2 emissions, both in metric tonnes of CO₂e (tCO₂e).

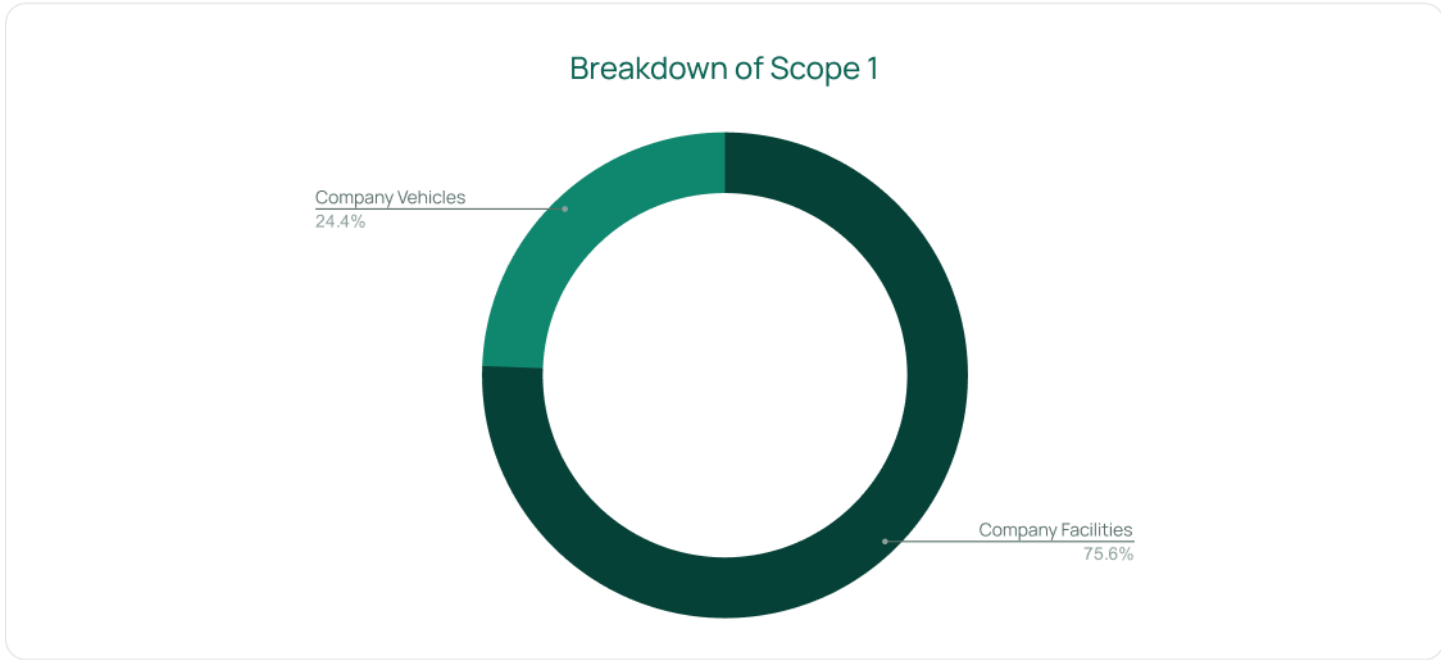


Figure 3. Scope 1 Emissions

Table 1. Scope 1 GHG Inventory

Emission Source	Data Type	Assumptions	Absolute emissions (tCO ₂ e)
Company Vehicles	Primary data	EcoTech provided all purchased fuel bills for each of their facilities. The total transport distance (km) for all company vehicles has been provided.	0.393
Company Facilities	Primary data	EcoTech provided all purchased fuel bills for each of their facilities.	1.217
Total Scope 1 Emissions (tCO ₂ e)			1.61

2.2.2 Scope 2

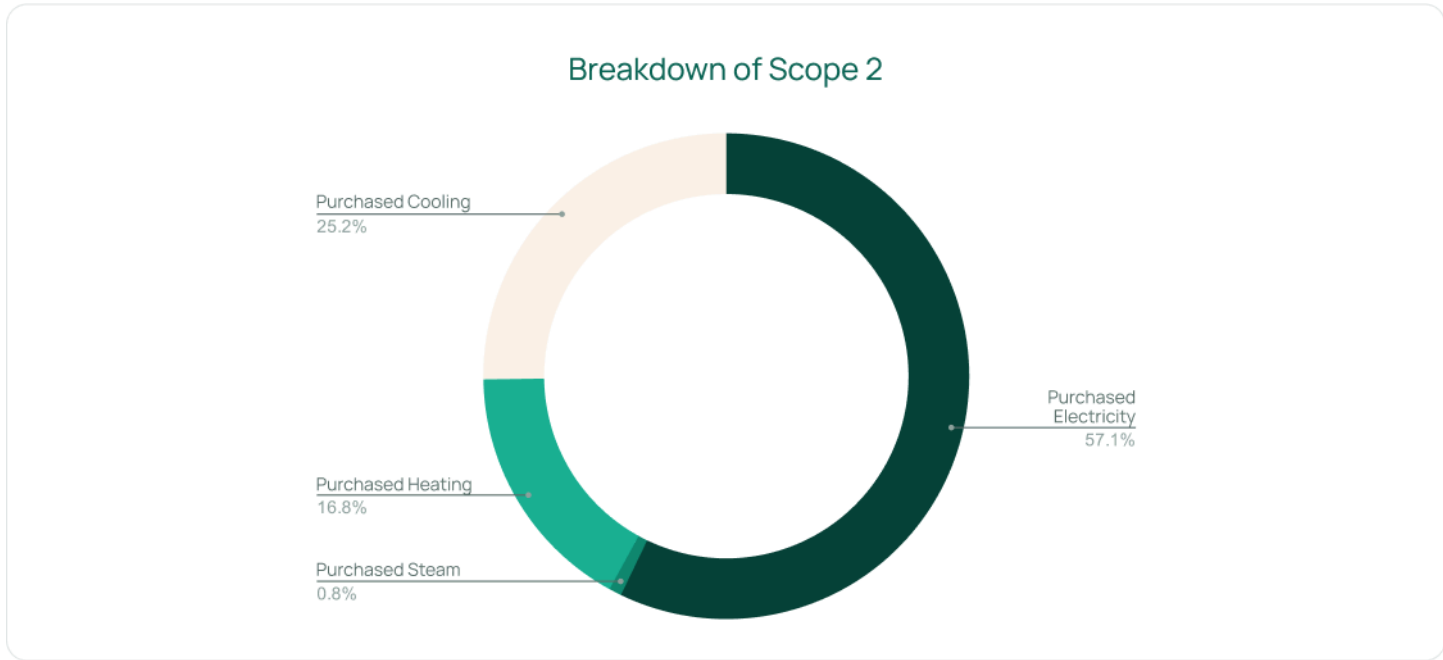


Figure 4. Scope 2 Emissions

Table 2. Scope 2 GHG Inventory

Emission Source	Data Type	Assumptions	Absolute emissions (tCO ₂ e)
Purchased Electricity	Primary data	EcoTech provided all purchased electricity bills for each of their facilities.	5.989
Purchased Heating	Primary data	EcoTech provided all purchased heating bills for each of their facilities.	1.762
Purchased Steam	Primary data	EcoTech provided all purchased steam bills for each of their facilities.	0.901
Purchased Cooling	Primary data	EcoTech provided all purchased cooling bills for each of their facilities.	2.865
Total Scope 2 Emissions (tCO ₂ e)			11.516

3. Summary

Table 3 provides a detailed breakdown of EcoTech's Scope 1 and Scope 2 emissions. Scope 1 emissions total 1.61 tonnes of CO₂e, while Scope 2 emissions total 13.126 tonnes of CO₂e.

Table 3. Scope 1 and 2 Emissions

Scope	Category	Emissions (tCO ₂ e)
Scope 1	Company Vehicles	0.393
	Company Facilities	1.217
	Total Scope 1 Emissions (tCO₂e)	1.61
Scope 2	Purchased Electricity	5.989
	Purchased Heating	1.762
	Purchased Steam	0.901
	Purchased Cooling	2.865
	Total Scope 2 (tCO₂e)	11.516
Total Scope 1 and 2 Emissions (tCO₂e)		13.126

4. Exclusions & Limitations

In the development of this study, some activities were excluded due to non-applicability. Table 4 outlines all exclusions that were made in the GHG Inventory, alongside the rationale for the exclusion.

4.1 Exclusions

Table 4. Exclusions & Limitations

Excluded Activity	Rationale
Scope 1 Refrigeration and Air Conditioning	EcoTech does not engage in any major refrigeration or air conditioning activities.
Scope 1 Fire Suppression Equipment	EcoTech does not engage in any major fire suppression activities.
Activity X	X

5. Anomalies

Table 5 outlines the anomalies Arbor identified in the original data provided and how they were addressed in the final calculations

Table 5. Anomalies

Anomaly	Description	Arbor's Resolution
Missing Supplier Data	The value submitted from Supplier X was missing.	Secondary data was used to supplement missing variables.
Product Data from Supplier	Product weight data from Supplier Y was higher than expected.	An average weight for this product category was used.



Thank you, EcoTech!

Please contact us if you have any questions.

Emission Quantifications for “EcoTech Sample Report”

Prepared For: EcoTech

Prepared By: Your Arbor Inc. (“Arbor”)

Description

The carbon emissions for this sample report were calculated using the Arbor Platform, a GRI-certified software. All calculations and outputs performed through the Arbor Platform follow GRI standards and guidelines set by the [Greenhouse Gas Protocol \(GHG\) Protocol](#) and the International Organization for Standardization (ISO), specifically [ISO 14040](#), and [ISO 14044](#).

All primary data inputs used were collected and confirmed by EcoTech. Based on both these primary data inputs and Arbor’s proprietary secondary data, Arbor calculated the carbon impact in carbon dioxide equivalents (CO₂e) for the following asset:

- EcoTech Sample Report

GHG Emissions

100.03 kg CO₂e



Emission Quantification Statement for License 123

Results were generated from data collected between 10/10/2023 and 10/10/2024.



Emissions Quantification Statement

License ID: 123

THIS EQS HAS BEEN PREPARED FOR THE EXCLUSIVE USE AND BENEFIT OF [COMPANY NAME] ("CLIENT") AS PART OF A BROADER REPORT. THE EQS HAS BEEN PREPARED BASED ON DATA AND ASSUMPTIONS PROVIDED BY CLIENT, DATA AND OTHER INFORMATION FROM THIRD-PARTY SOURCES AND THE ANALYSIS OF SUCH DATA AND INFORMATION AS AVAILABLE AT THE TIME OF THE EQS CREATION. THE EQS IS PROVIDED "AS-IS", EXCLUSIVE OF ANY WARRANTY WHATSOEVER AND ARBOR SPECIFICALLY HEREBY DISCLAIMS ALL WARRANTIES AND CONDITIONS, WHETHER EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE WITH RESPECT TO THE EQS, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, OR NON-INFRINGEMENT, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ARBOR MAKES NO WARRANTY OF ANY KIND THAT THE EQS, ANY DATA OR INFORMATION INCLUDED THERETO (INCLUDING FROM THIRD PARTY) OR THE USE THEREOF WILL BE ENTIRELY ACCURATE OR COMPLETE OR ACHIEVE ANY INTENDED RESULT. YOUR USE OF THE EQS OR ANY OF ITS CONTENT, INCLUDING ANY TRANSLATION THEREOF, IS AND WILL REMAIN, AT YOUR OWN RISK.

SAMPLE