

CORPORATE GHG EMISSION REPORT



Anadolu Precision Casting Inc.

Year: **2025** | Period: **2025-01-01 – 2025-12-31** | Consolidation: **Operational Control** | Report No: **CT-2025-0417** | Date: **31 March 2026**

SECTOR / NACE	EMPLOYEES	FACILITIES
24.51 - Casting of iron	480	3
REVENUE	PRODUCTION VOLUME	PREPARED BY
62 M USD	18,400 ton	Sustainability Office

03 Executive Summary

SCOPE 1	SCOPE 2 (LOC.)	SCOPE 3	TOTAL (LOC.)
8,234.1	8,025.8	30,813.1	47,072.9
tCO ₂ e · 17.5%	tCO ₂ e · 17.0%	tCO ₂ e · 65.5%	tCO ₂ e (location-based)

04 GHG Inventory Summary

EMISSION CATEGORY	TCO ₂ e	% OF TOTAL
SCOPE 1 – DIRECT EMISSIONS		
1.1 Stationary Combustion	4,812.40	10.2%
1.2 Mobile Combustion	968.25	2.1%
1.3 Process Emissions	2,140.60	4.5%
1.4 Fugitive Emissions	312.85	0.7%
Scope 1 Subtotal	8,234.10 tCO ₂ e	17.5%
SCOPE 2 – PURCHASED ENERGY		
2.1 Electricity (Location-Based)	6,905.30	14.7%
2.2 Electricity (Market-Based) MARKET	5,412.80	11.9%
2.3 Steam / Heat / Cooling	1,120.45	2.4%
Scope 2 — Location-Based	8,025.75 tCO ₂ e	17.0%
Scope 2 — Market-Based MARKET	6,533.25 tCO ₂ e	14.3%
SCOPE 3 – VALUE CHAIN		
3A Upstream (Cat. 1–8)	21,480.90	45.6%
3B Downstream (Cat. 9–15)	9,332.15	19.8%
Scope 3 Subtotal	30,813.05 tCO ₂ e	65.5%
TOTAL — Location-Based	47,072.90 tCO ₂ e	100%
TOTAL — Market-Based	45,580.40 tCO ₂ e	—
GHG Removals (ISO 14064-1 §5.5 — This period: 0 tCO ₂ e)	0	—

05 Emission Intensity Metrics

METRIC	VALUE	UNIT
Emissions per Employee	98.069	tCO ₂ e / employee
Emissions per Revenue	759.240	tCO ₂ e / M USD
Emissions per Production	2.558	tCO ₂ e / ton

07 Gas-Based Breakdown (Estimated)

Approximate allocation: combustion split 97% CO₂ / 2% CH₄ / 1% N₂O; fugitive split 90% HFCs / 4% PFCs / 4% SF₆ / 2% NF₃. Not measured per-gas data.

GHG	TCO ₂ E	GWP ₁₀₀ (AR5)	% OF TOTAL
CO ₂	45,357.25	1	96.4%
CH ₄	935.20	28	2.0%
N ₂ O	467.60	265	1.0%
HFCs	281.57	14–12,400	0.6%
PFCs	12.51	6,630–11,100	0.0%
SF ₆	12.51	23,500	0.0%
NF ₃	6.26	16,100	0.0%
Total	47,072.90 tCO₂e		100%

NOTE
Combustion split (CO ₂ /CH ₄ /N ₂ O) based on DEFRA 2024 sector averages (97/2/1). Fugitive split (HFC 90% / SF ₆ 4% / PFC 4% / NF ₃ 2%) is a generic default; derive from actual refrigerant charge logs for precise gas-level reporting.

09 Methodology & Assumptions

STANDARD	REFERENCE	YEAR
Primary Standard	GHG Protocol Corporate Accounting and Reporting Standard (Revised Ed.)	2004/Rev.
Scope 2	GHG Protocol Scope 2 Guidance	2015
Scope 3	GHG Protocol Corporate Value Chain (Scope 3) Standard	2011
ISO	ISO 14064-1:2018 — Greenhouse Gases	2018
GWP	IPCC Fifth Assessment Report (AR5) — GWP100	2014

11 ISO 14064-1:2018 Compliance Summary

ISO CATEGORY	TCO ₂ E	GHG PROTOCOL EQUIVALENT
Cat. 1 — Direct GHG Emissions & Removals (§5.2)	8,234.10	Scope 1
Cat. 2 — Indirect from Imported Energy (§5.3)	8,025.75	Scope 2 (Location)
Cat. 3 — Indirect Transport & Distribution (§5.4)	21,480.90	Scope 3 Upstream (Cat. 1–8)
Cat. 4–6 — Other Indirect (§5.4)	9,332.15	Scope 3 Downstream (Cat. 9–15)
GHG Removals (§5.5)	0	None declared this period
TOTAL NET (Location-Based)	47,072.90 tCO₂e	

12 **Verification / Assurance Statement**

Verification Status	Third-party verified — limited assurance
Verification Body	Sample Verification Services Ltd. (illustrative)
Verification Standard	ISO 14064-3:2019
Statement Date	2026-03-24
Approved By (Internal)	Chief Financial Officer
Scope / Opinion	Scope 1, Scope 2 (location and market-based) and Scope 3 Cat. 1–15; limited assurance opinion, no material misstatement identified.

ISO 14064-3:2019

The assurance statement above was provided by the user and summarises the ISO 14064-3:2019 verification process.

This report was automatically generated using user-entered data and internationally recognised emission factors via the CarbonTiers Carbon Footprint Tool. It does not substitute third-party verification. Independent verification is recommended for official reporting obligations. Figures in this sample are illustrative and do not represent a real organisation.