

SUMMARY GHG EMISSIONS REPORT

A) General Information

Company Name	ATU DUTY FREE
Country	Türkiye
City	Antalya
Year of GHG Inventory Data	2025
Reporting period	01.04.2025 – 31.12.2025

B) Objective of the Report

This report has been prepared in accordance with the requirements of the Airport Carbon Accreditation programme. Its purpose is to determine ATU's share of responsibility for greenhouse gas emissions in the context of the climate crisis and to fulfil the GHG inventory quantification requirements for the Bronze level of certification under the Airport Carbon Accreditation programme.

C) Reporting Period and Reporting Frequency

This report covers ATU's greenhouse gas emissions for the period from 1 April to 31 December 2025, within the organisational and operational boundaries defined in Sections D and E. ATU commenced operations in April 2025; therefore, the greenhouse gas inventory covers only this nine-month period. In subsequent years, the report will be prepared annually and will cover each full calendar year.

D) Organizational Boundaries

Yenigöl Neighborhood Serik (E) St. International Terminal No:100/1 Antalya, Türkiye, has been designated as the organizational boundary.

The operational control approach has been applied to consolidate emissions within the organisational boundary.

E) Operational Boundaries

The Scope 1 and Scope 2 emission sources included within ATU's organisational boundary and reporting scope are presented in Table 1.

Table 1: Emissions scopes and emissions sources included within the operational boundary

Emissions scope	Emissions sources
Scope 1: Mobile Sources	Vehicles
Scope 1: Process Sources	Portable fire extinguishers
	Refrigeration and air conditioning systems
	Fire extinguishing systems
Scope 2: Energy purchased from Terminal Operator	Electricity
	Heating and cooling

F) Greenhouse Gas Emissions

For all emission categories, emissions have been determined using calculation-based method.

Emission values, disaggregated by scope are presented in Table 2.

Table 2: GHG emissions by scope

Emissions scope	Emissions (tCO₂e)
Scope 1	121
Scope 2	876

Emission factors that are used in the calculations are presented in Table 3.

Table 3: Emission factors that are used in the calculations

Emission sources	Fuel / energy /compound name	Emission Factor	References
Fuel used in on-road vehicles	Diesel	74,1 ton CO ₂ /TJ 0,0039 ton CH ₄ /TJ 0,0039 ton N ₂ O/TJ	IPCC 2006 V2 C3 Table 3.2.1 IPCC 2006 V2 C3 Table 3.2.2 IPCC 2006 V2 C3 Table 3.2.2
	Gasoline	74,1 ton CO ₂ /TJ 0,0039 ton CH ₄ /TJ 0,0039 ton N ₂ O/TJ	IPCC 2006 V2 C3 Table 3.2.1 IPCC 2006 V2 C3 Table 3.2.2 IPCC 2006 V2 C3 Table 3.2.2
Portable Fire Extinguishers	CO ₂	%100 for recharge %4 for leakage	IPCC/TEAP Special Report: Safeguarding the Ozone Layer and the Global Climate System, Chapter 9, Table 9.2
Refrigerators and air conditioning systems	R410A HFC32 HFC-134a	%100 for recharge, %1 for leakage from air conditioners, %0,1 for refrigerators	IPCC 2006 V3 C7 Table 7.9
Fire suppression equipment	FM200	%100 for recharge, %2 for leakage	IPCC/TEAP Special Report: Safeguarding the Ozone Layer and the Global Climate System, Chapter 9, Table 9.1
Electricity purchased from Terminal Operator	Electricity	0,434 t CO ₂ e/Mwh	TURKEY ELECTRICITY GENERATION AND ELECTRICITY CONSUMPTION POINT EMISSION FACTORS INFORMATION FORM ETKB-EVÇED-FRM-042 Rev.01