



Corporate Carbon Footprint Report 2023

CONTENT


















About Company

About This Study & Report

Corporate Carbon Footprint Emissions Inventory

Summary

Conclusion

				
				
				
		<p>This study supports the relevant United Nations Sustainable Development Goals.</p>		



Elif BEKMEZCİ

Chief Product & Marketing Officer
Atel Tekstil San. ve Tic. A.Ş.

2024 is an important year of transformation in Atel's sustainability journey. By adding the corporate carbon footprint calculation to our work that we started with Corporate Sustainability Due Diligence, we demonstrate our company's determination to take concrete steps to combat climate change.

Sustainability is no longer just a preference, but a necessity supported by legal regulations that have become mandatory in Turkey and around the world. The Paris Climate Agreement and the 2050 net zero target require businesses to manage their environmental impact and reduce carbon emissions. In this context, Atel aims to increase its competitiveness in the global market by developing responsible production processes.

In line with the United Nations Sustainable Development Goals, we are committed to achieving the environmental, social and economic sustainability goals of both our company and our stakeholders. These efforts will strengthen Atel's sustainability leadership and support its long-term growth.



Taner AKGÜN

Corporate Sustainability Business Development Partner
Sustainable Works Station

In today's business world, it is no longer an option for companies to integrate sustainability into their business models, it has become a mandatory transformation for their survival. As SWS, we appreciate Atel's leadership, determination and proactive vision in this structural transformation.

Although carbon footprinting is not yet a requirement in the textile and apparel industry, Atel has taken an important step towards Turkey's 2053 net zero target and started carbon footprinting. This step is not only about managing environmental impacts, but also a strategic move by the company to increase its competitiveness and ensure sustainable growth in the long term.

Through this collaboration, we are pleased to support Atel's vision to contribute to both local and global sustainability goals. As a part of this transformation journey that puts sustainability at the center of the way of doing business, we look forward to carrying the importance of fulfilling our responsibility and contributing to global goals even further together in the future.

SUSTAINABLEWORKSSTATION

About Company

About This Study & Report

Corporate Carbon Footprint
Emissions Inventory

Summary

Conclusion



The Journey to Net Zero Emissions



About Company

About This Study & Report

Corporate Carbon Footprint Emissions Inventory

Summary

Conclusion



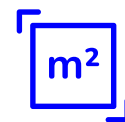
Name of the Company

Atel Tekstil Sanayi ve Ticaret A.Ş.



Address

Mermerciler Sanayi Sitesi,
5.Cadde, No:9 Beylikdüzü/İstanbul,
Türkiye



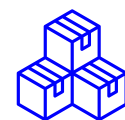
Total Area (m²)

5115



2023 Average Number of Employees

200



2023 Total Production Amount (unit)

12,899.727



2023 Number of Working Days

300

About Atel

Ahmet Bekmezci graduated with a degree in Electrical and Electronic Engineering from Hochschule Hannover, University of Applied Sciences and Arts. Following his passion for football, he played amateur football for various clubs, where he experienced the importance of teamwork and determination, shaping the direction of his career.

In the 1990s, during the corporate restructuring of the family business, Ahmet served as a production engineer and played a pivotal role in enabling the company to export globally. He developed a vision for expanding the family business and competing in the international market.

Driven by his desire to realize his dreams and establish his own company, he founded Atel Tekstil in 2009 to engage in international trade. Atel quickly became a sought-after supplier, collaborating with some of the most respected brands in the industry and adhering to international standards in the research, development, production, and export of socks for women, men, and children.

Today, Atel has solidified its position in the market by prioritizing customer satisfaction and aiming to provide high-quality products. Under Ahmet Bekmezci's leadership, the company continues to grow with a focus on innovation and sustainability.

ENVIRONMENTAL POLICY

Scope:

This policy sets out Atel's commitment to the principle of sustainability and our goal to minimize our environmental impact. Our main goal is to fulfill our environmental responsibility in sock production, to protect natural resources and to leave a cleaner world for future generations.

1. Resource Utilization:

We will prioritize sustainable raw material choices in our production processes. We will contribute to the protection of nature by using environmentally friendly materials such as organic cotton and recycled polyester.

2. Energy Efficiency:

We will use innovative technologies and practices to increase energy efficiency in all our facilities. We aim to reduce our carbon footprint by switching to renewable energy sources.

3. Waste Management:

We will establish a comprehensive waste management system to minimize the amount of waste in our production processes and encourage recycling. We will cooperate with our suppliers to ensure that waste is recycled as much as possible.

4. Water Management:

We will adopt water-saving technologies to minimize water use and protect water resources. We will continuously review our processes to ensure efficient use of water in our production processes.

5. Training and Awareness:

We will carry out regular training programs to educate our employees on environmental issues and raise awareness of sustainability. We will encourage the active participation of all our employees in the implementation of this policy.

6. Transparency and Reporting:

We will regularly review data on our environmental impacts and evaluate our performance. We will transparently share our progress in achieving our sustainability goals.

Conclusion:

As Atel, we will continuously work to realize our sustainability goals. By adopting an environmentally sensitive production approach, we aim to make not only our business but also the world a better place.



CONTACT PERSON(S)

The responsible person(s) who participated and contributed to this Carbon Footprint study received awareness raising trainings on climate change, sectoral developments and ISO 14064-1:2018 standard.

Elif Bekmezci

Chief Product & Marketing Officer
elifbekmezci@ateltekstil.com

B. Can Dursun

Executive Corporate Sustainability
can.dursun@ateltekstil.com



About Company

About This Study & Report

Corporate Carbon Footprint
Emissions Inventory

Summary

Conclusion



Corporate
Integrity



About Company

About This Study & Report

Corporate Carbon Footprint
Emissions Inventory

Summary

Conclusion

INTRODUCTION

The Corporate Carbon Footprint Report includes the greenhouse gas emissions of Atel Tekstil Sanayi ve Ticaret A.Ş. for the calendar year 2023 and has been prepared in accordance with clauses 9.3.1 and 9.3.2 of ISO 14064-1:2018 standard

PURPOSE, SCOPE & OBJECTIVE

The purpose of the Corporate Carbon Footprint Report is to calculate the greenhouse gas emissions and removals related to all activities carried out within the boundaries of Atel Tekstil Sanayi ve Ticaret A.Ş. at the organization level and to declare greenhouse gases according to the requirements of ISO 14064-1:2018 standard. It covers the calculation methodologies of greenhouse gas emissions, greenhouse gases within the scope of direct, indirect and other indirect emissions and strategies for reducing these gases. The work in this report aims to identify and sustainably improve the environmental impact of the organization's activities.

BASE YEAR AND REPORTING PERIOD

This analysis is the Corporate Carbon Footprint of Atel Tekstil Sanayi ve Ticaret A.Ş. for the period January - December 2023. 2023 calendar year has been determined as the base year.

REPORTING STANDARD

This Corporate Carbon Footprint Report has been planned and prepared in accordance with ISO 14064-1:2018 standards and clauses 9.2 and 9.3.

COMPANY BOUNDARIES

All activities are undertaken within and under the control of Atel Tekstil Sanayi ve Ticaret A.Ş. The carbon footprint generated within the company can be controlled. Thus, organizational boundaries have been determined according to operational control principles.



REPORTING BOUNDARIES

Sources of greenhouse gas emissions are identified and categorized according to ISO 14064-1:2018.

Category 1 – Direct greenhouse gas emissions and removals.

Category 2 – Indirect GHG emissions from imported energy.

Category 3 – Greenhouse gas emissions from transportation.

Category 4 – Indirect GHG emissions from products used by the organization.

Category 5 – Indirect GHG emissions from the use of products produced by the organization.

Category 6 – Indirect greenhouse gas emissions from other sources.

MATERIALITY ASSESSMENT

Emission sources were identified by performing a materiality assessment in accordance with Annex-H of ISO 14064-1:2018 Standard. According to the materiality assessment, the sources included in the inventory were calculated, and the sources not included were defined as out-of-scope emission sources.

EXCLUDED EMISSION SOURCES

Emission sources not covered due to company preference are indicated as ■ in Corporate Carbon Footprint Emission Inventory List of the report.



DATA COLLECTION METHODOLOGY

The collection of operational data to be used in greenhouse gas calculations was carried out through ISO 9001, ISO 14001, ISO 45001, and other relevant programs owned by the company.

EMISSION FACTOR SELECTION

International Panel on Climate on Change (IPCC), Department for Environment, Food and Rural Affairs (DEFRA) EXIOBASE and national grid electricity emission factors were used in greenhouse gas calculations.



CALCULATION METHODOLOGY

International Panel Climate Change (IPCC) ve Greenhouse Gas Protocol (GHG Protocol) tarafından açıklanan hesaplama metodolojileri kullanılmıştır.

GLOBAL WARMING POTENTIAL SELECTION

IPCC Assessment Report 6 (AR6) parameters were used in carbon dioxide equivalent (CO2e) calculations.

EMISSION REMOVALS

There are no emission removal activities to be declared in this reporting period.

EMISSION REDUCTIONS / INCREASES

The company's assessment of the increase or decrease in carbon emissions compared to the base year is included in the conclusion section of the report.



About Company

About This Study & Report

Corporate Carbon Footprint
Emissions Inventory

Summary

Conclusion

Precise Calculations for Environmental Sustainability



About Company

About This Study & Report

Corporate Carbon Footprint Emissions Inventory

Summary

Conclusion

Corporate Carbon Footprint Emissions Inventory		<div><div></div>Included Emission Source</div>	<div><div></div>Not Available Within the Company</div>	<div><div></div>Excluded Emission Source</div>
Greenhouse Gas Emissions		2023 Total tCO2e	İstanbul Factory tCO2e	
Category 1: Direct greenhouse gas emissions and removals		278.60	278.60	
1.1	Direct greenhouse has emissions and removals			
<div></div>	Natural gas used for heating	220.16	220.16	
<div></div>	Diesel used in generators			
<div></div>	Petrol used in generators			
<div></div>	Coal used for heating			
1.2	Direct emissions from mobile combustion			
<div></div>	Diesel used in company cars and heavy commercial vehicles	38.31	38.31	
<div></div>	Petrol used in company cars	17.80	17.80	
<div></div>	Diesel used in construction machinery			
1.3	Direct process emissions from industrial process			
<div></div>	Oil consumption (hydraulic oil)			
<div></div>	Grease consumption			
<div></div>	Buying Adblue			
1.4	Direct emissions from leaching/leagage of greenhouse in anthropogenic systems			
<div></div>	Refrigerants used in air conditioners	0.90	0.90	
<div></div>	Refrigerants/fluids in refrigerators, water dispensers, deep freezers	1.30	1.30	
<div></div>	Refrigerants used in fire extinguishers	0.14	0.14	
<div></div>	SF6 gases used in transformers			
<div></div>	Emissions from wastewater treatment plant			
1.5	Direct emissions from land use, land use change and forestry activites			
<div></div>	Direct emissions from biomass	32	32	
Category 2: Indirect greenhouse gas emissions from imported energy		1,018.12	1,018.12	
2.1	Indirect emissions from imported electricity			
<div></div>	Electricity consumption	1,018.12	1,018.12	
2.2	Indirect emissions from imported energy			
<div></div>	Steam consumption			



About Company

About This Study & Report

Corporate Carbon Footprint
Emissions Inventory

Summary

Conclusion

Corporate Carbon Footprint Emissions Inventory		<div><div></div>Included Emission Source</div>	<div><div></div>Not Available Within the Company</div>	<div><div></div>Excluded Emission Source</div>
Greenhouse Gas Emissions		2023 Total tCO2e	İstanbul Factory tCO2e	
Category 3: Indirect greenhouse gas emissions from transportation		123.05	123.05	
3.1	Emissions from upstream transport and distribution of goods (to the organization)			
	Transport and distribution of good by subcontractor			
3.2	Emissions from downstream transport and distribution of good (outgoing organization)			
	Air Transport			
	Land Transport	18.61	18.61	
	Water Transport			
3.3	Emissions from employee transportation			
	Diesel used in personel service vehicles	90.86	90.86	
3.4	Emissions from customer and visitor transportation			
	Customer and visitor transportation			
3.5	Emissions from business travel			
	Emissions from company air travel	13.31	13.31	
	Emissions from company taxi trips			
	Emissions from accommodation	0.28	0.28	
Category 4: Indirect greenhouse gas emissions from products used by the company		5,014.70	5,014.70	
4.1	Emissions from purchased products			
	Water supply	0.53	0.53	
	Purchasing paper-cardboard products	100.97	100.97	
	Purchase of plastic products	164.06	164.06	
	Purchase of metal products			
	Purchase of wooden products	1.35	1.35	
	Purchase of food products			
	Purchase of raw materials (yarn)	4,741.19	4,741.19	
	Purchase of raw materials (fabric)			
	Purchase of raw materials (chemicals)			



About Company

About This Study & Report

Corporate Carbon Footprint Emissions Inventory

Summary

Conclusion

Corporate Carbon Footprint Emissions Inventory



Included Emission Source



Not Available Within the Company



Excluded Emission Source

Greenhouse Gas Emissions		2023 Total tCO ₂ e	İstanbul Factory tCO ₂ e
4.2	Greenhouse gas emission from the service used		
	Emissions from the production, delivery and processing of fuels (WTT)		
4.3	Emissions from capital assets (movable & immovable)		
	Purchase of electrical products	1.91	1.91
	Purchasing office products		
4.4	Emissions from recycling and disposal of solid and liquid waste		
	Wastewater treatment		
	Plastic waste recycling	0.000106	0.000106
	Recycling of paper-cardboard waste	0.93	0.93
	Recycling of scrap metal waste	0.01	0.01
	End of life tires	0.13	0.13
	Recycling of textile waste	1.20	1.20
	Recycling of wooden waste		
	Recycling of food and garden waste		
	Disposal of domestic solid waste	2.39	2.39
	Disposal of hazardous waste	0.000745	0.000745
	Disposal of medical waste	0.01	0.01
	Energy recovery of waste oils		
4.5	Emissions from the purchase/use of services not disclosed in the above subcategories		
	LPG cylinders used in the dining hall		
Category 5: Indirect greenhouse gas emissions from the use of products produced by the organization			
	Emissions or removals resulting from the use of the product		
	Emissions from downstream leased assets		
	Emissions from end-of-life of the product		
	Emissions from investments		
Category 6: Indirect greenhouse gas emissions from other sources			
	Emissions from other sources		



About Company

About This Study & Report

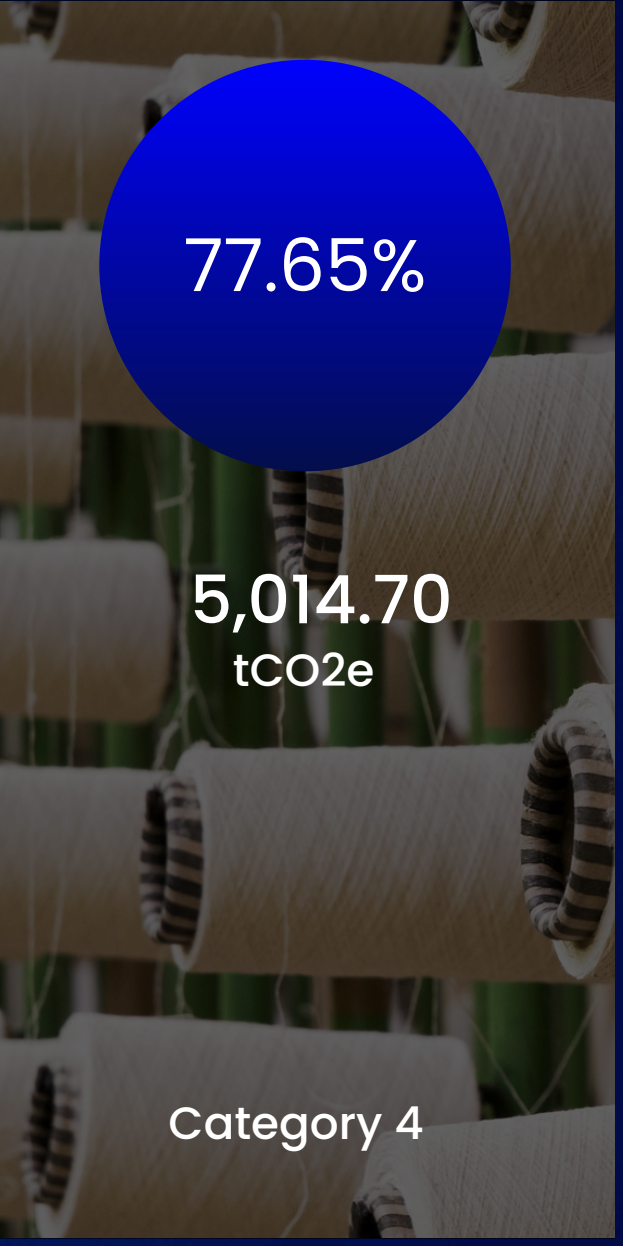
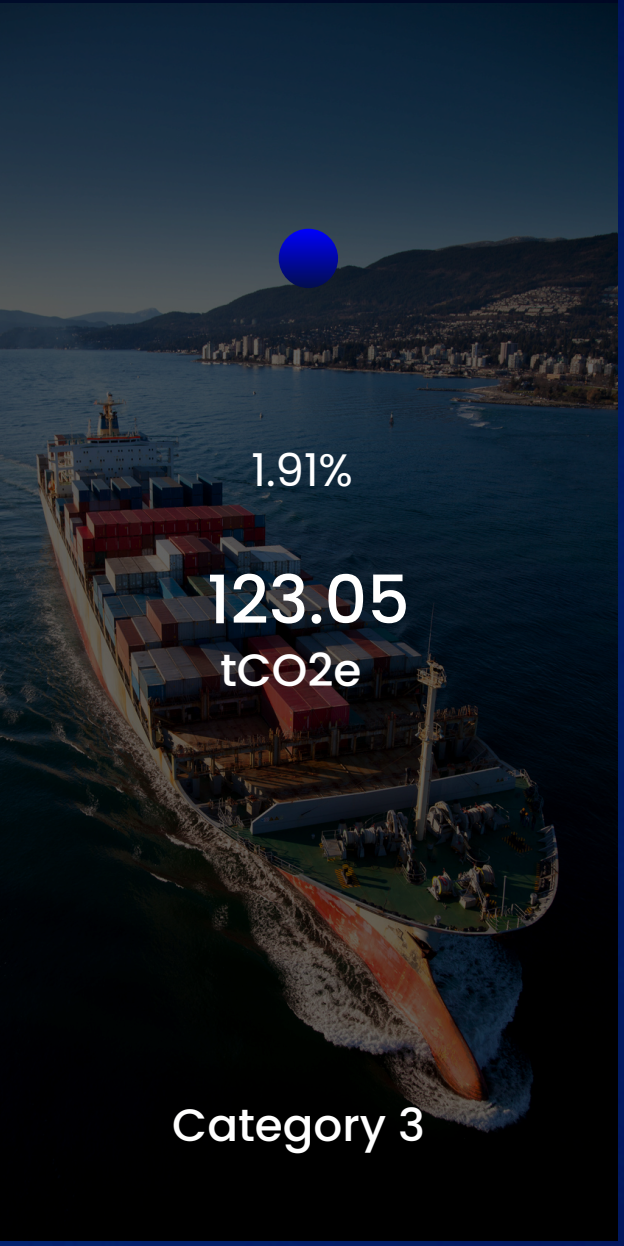
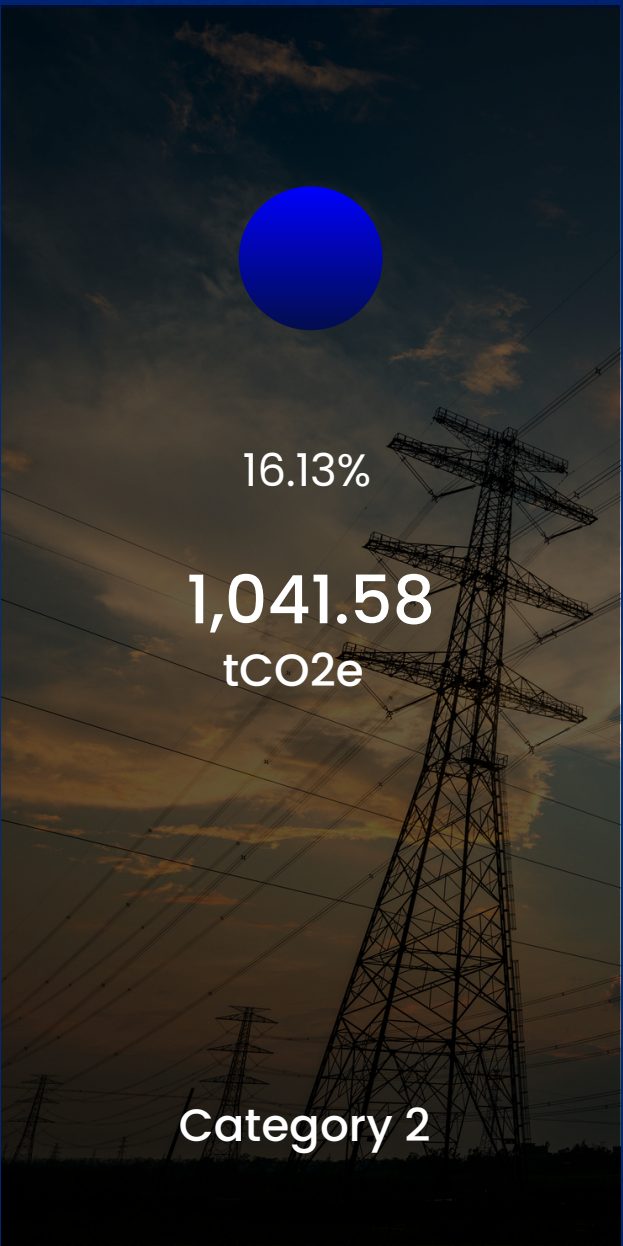
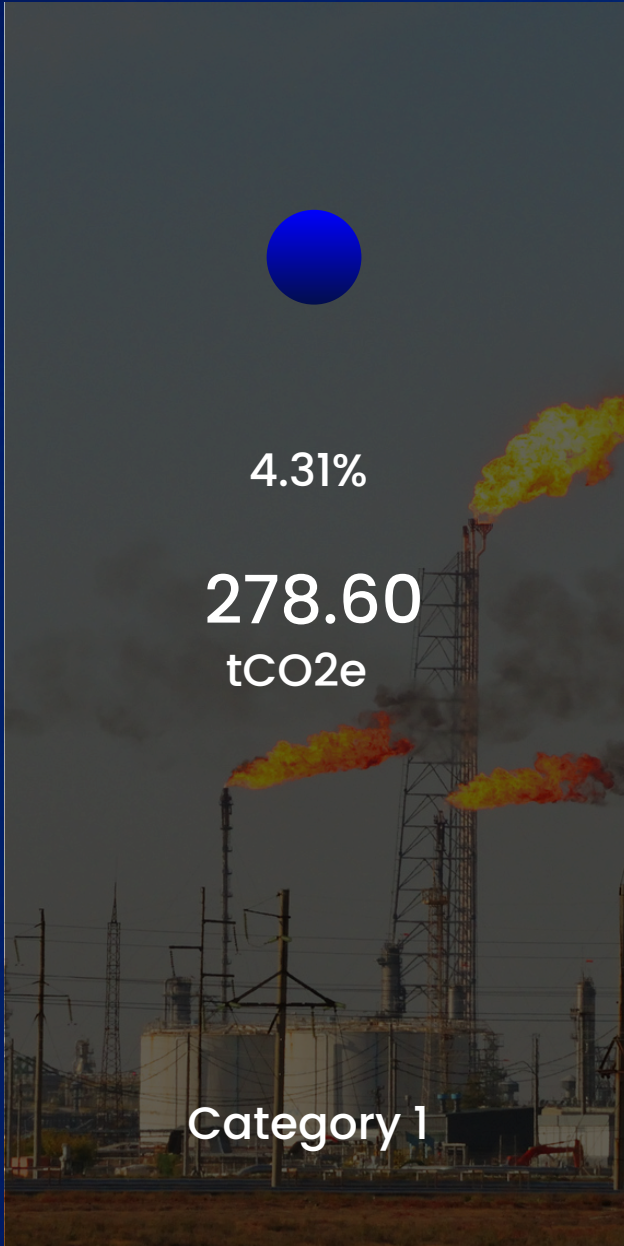
Corporate Carbon Footprint
Emissions Inventory

Summary

Conclusion



GREENHOUSE GAS EMISSIONS BY CATEGORY








TOTAL

6,434.47 tCO2e



CATEGORY 1 TOTAL GHG EMISSIONS

278.60 tCO₂e

Natural Gas		79.02%	220.16 tCO ₂ e
Company Cars		20.14%	56.10 tCO ₂ e
Air Conditioning		0.32%	0.90 tCO ₂ e
Refrigerator, Water Dispenser and Deep Freezer		0.47%	1.30 tCO ₂ e
Fire Extinguishers		0.05%	0.14 tCO ₂ e



CATEGORY 2 TOTAL GHG EMISSIONS

1,041.58 tCO₂e

Electricity







100%

1,041.58
tCO₂e



CATEGORY 3 TOTAL GHG EMISSIONS

123.05 tCO₂e

Business Travel		10.81%	13.31 tCO ₂ e
Cargo		15.12%	18.61 tCO ₂ e
Employee Services		73.84%	90.86 tCO ₂ e
Business Travel Accommodation		0.23%	0.28 tCO ₂ e



CATEGORY 4 TOTAL GHG EMISSIONS

5,014.70 tCO₂e

Emissions from
Purchased Products



99.87% 5008.12
tCO₂e

Emissions from Solid
and Liquid Waste
Recycling & Disposal



0.09% 4.67
tCO₂e

Emissions from
Capital Assets

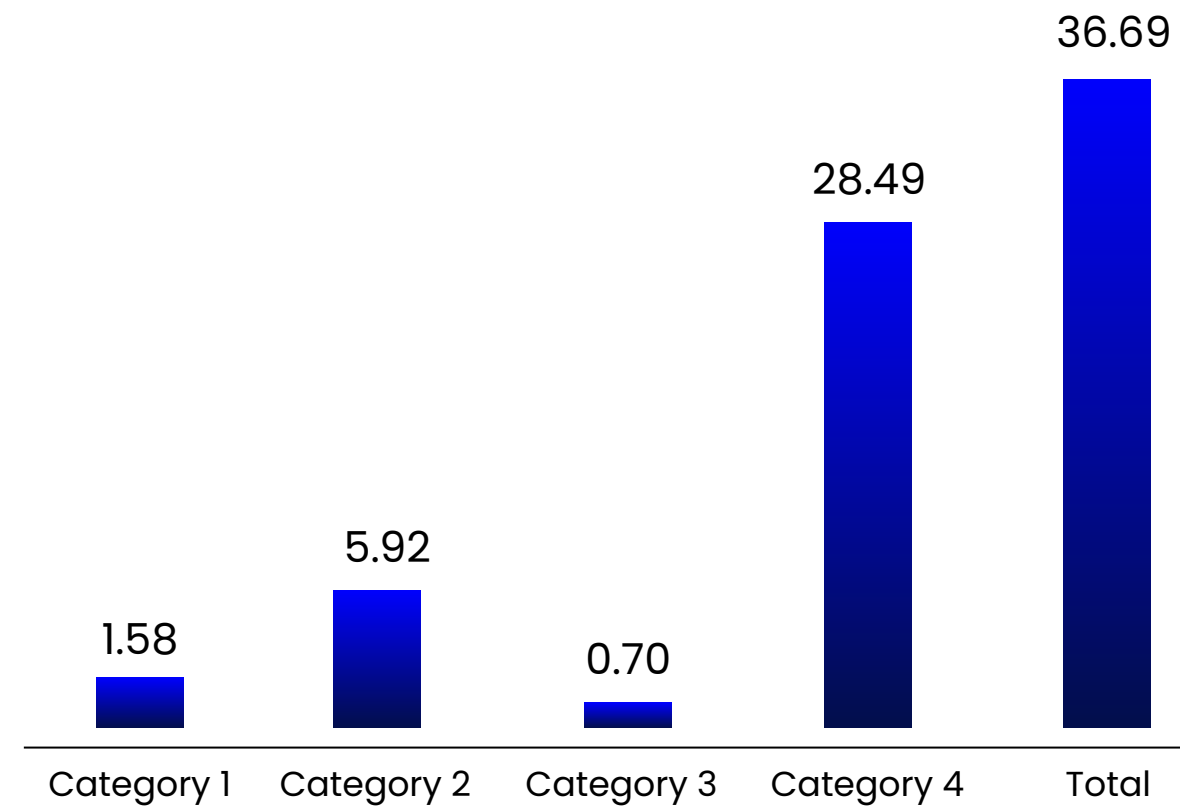


0.04% 1.91
tCO₂e

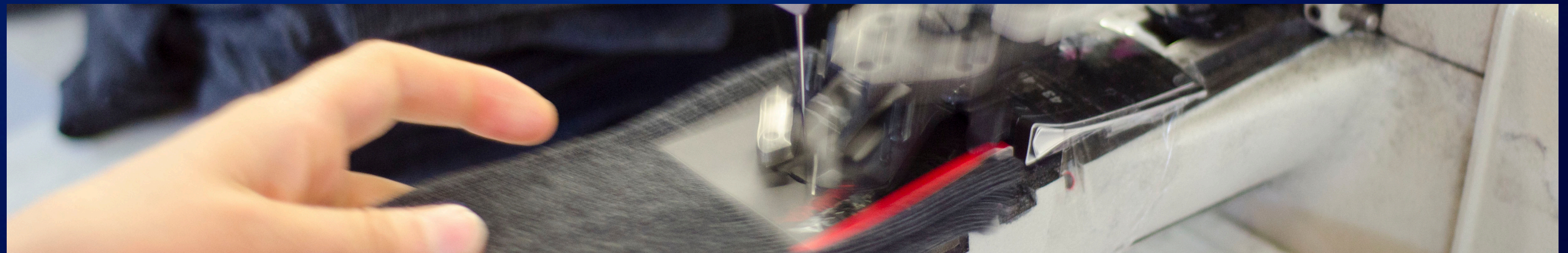
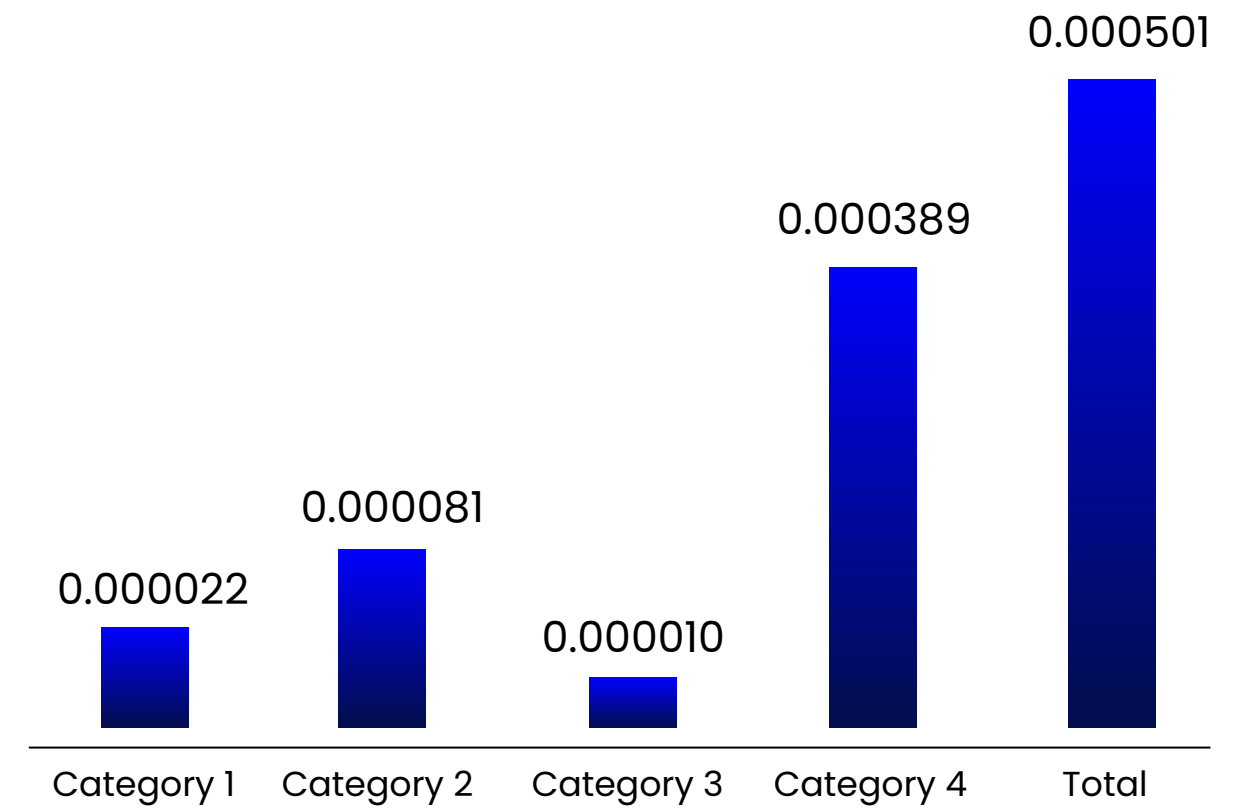
EMISSION INTENSITY

Emission intensity within the organization is monitored by the number of employees and emissions per annual production amount. The table below shows the emission intensity values per employee and per production unit within the reporting period

TOTAL EMISSIONS PER EMPLOYEE $\text{tCO}_2\text{e} / \text{employee}$



TOTAL EMISSIONS PER PRODUCT $\text{tCO}_2\text{e} / \text{product}$





About Company

About This Study & Report

Corporate Carbon Footprint
Emissions Inventory

Summary

Conclusion



MITIGATION ACTIONS

International Renewable Energy Certificate (I-REC) is applied for electricity use during the reporting period. The certificate verifies that the renewable electricity either offsets the organization's emissions associated with electricity use for category 2 or comes from a zero emission source. Thus, the organization has offset approximately **97%** of its category 2 emissions.



CONCLUSION

1 - Corporate Carbon Footprint Calculation and Reporting of Atel Tekstil Sanayi ve Ticaret A.Ş. Calculated only for Categories 1, 2, 3 and 4 for 2023.

2 - Atel Tekstil Sanayi ve Ticaret A.Ş.'s total carbon footprint for 2023 for Category 1, 2, 3 and 4 operations is calculated as **6,457.93** tCO₂e.

3 - Category 1 accounts for **4.31%** of the organization's total carbon emissions. Operational natural gas is identified as the main emission source in this category and accounts for **79.02%** of total Category 1 emissions.

4 - Category 2, electricity consumption, accounts for **16.13%** of Atel Tekstil Sanayi ve Ticaret A.Ş.'s total emissions.

5 - Category 3, emissions from employee services, accounts for **1.91%** of Atel Tekstil Sanayi ve Ticaret A.Ş.'s total carbon footprint and emissions from employee services account for **73.84%** of emissions in this category.

6 - Category 4 accounts for **77.65%** of Atel Tekstil Sanayi ve Ticaret A.Ş.'s total carbon footprint. Emissions from purchased products account for **99.87%** of category 4 emissions.

7 - The company's emission per employee is calculated as **36.69** tCO₂e in 2023.

8 - The company's emission per unit production is calculated as **0.000501** tCO₂e in 2023.



KarbonStation

www.karbonstation.com

in collaboration with **SUSTAINABLEWORKSSTATION**

Cooperation is crucial for change, transformation and sustainable development.
No one should be left behind.

