2023 Carbon Footprint Performance Report

Carbon Footprint Performance Report 2023

Introduction

Since 1996, Obel Cıvata Sanayi ve Ticaret A.Ş. has been operating in the Izmir Atatürk Organized Industrial Zone. With over 300 employees and a 33,000 m^2 enclosed production area, it is one of the leading companies in the fastener industry.

Specializing in the production of bolts ranging from M6 to M24 and nuts ranging from M6 to M16, our company supplies products to many sectors, primarily the automotive, white goods, construction, and machinery industries, and exports a large portion of its production to European Union countries.
As Obel Cıvata Sanayi ve Ticaret A.Ş., we conduct our activities with environmental responsibility, supporting our sustainable production approach with regular monitoring and reporting of greenhouse gas emissions.

We shape our environmental impact in line with national and international standards and our Sustainability Policy to minimize it.

We proactively work to comply with the European Green Deal and the EU Carbon Border Adjustment Mechanism (CBAM), prioritizing energy efficiency in our production processes. We are committed to working towards a sustainable future with innovative projects aimed at reducing greenhouse gas emissions.

With our responsible production approach, we prioritize the efficient use of energy not only in our own facilities but also throughout our supply chain.

Prepared based on the principles of **transparency** and **accountability** in the fight against climate change, this report outlines the scope-based distribution of our greenhouse gas emissions for 2023.

The calculations are based on the **TS EN ISO 14064-1** standard, and an operational approach method has been adopted.

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Investing in the Future with the Power of Wind

Carbon Management is not only an environmental responsibility, but also a strategic opportunity that adds value to the future and increases profitability for Obel Cıvata Sanayi ve Ticaret A.Ş.

We are turning our words into reality with concrete steps.

We are investing in three separate Wind Energy Plants (WEP) with a total installed capacity of 14 MW in order to meet our energy needs from renewable sources.

WPP-1 (4.2 MW)
Height : 131 meter
Rotor Diameter : 138 meter

WPP-2 (4.2 MW)
Height : 131 meter
Rotor Diameter: 138 meter

WPP-3 (5.6 MW)
Height : 99 meter
Rotor Diameter : 160 meter

Our investments will enable us to obtain a significant portion of our electricity consumption from nature.

With these investments, we aim to reduce our carbon emissions and leave a more livable world for future generations.

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Our Emissions Map

Our 2023 greenhouse gas emissions inventory has been assessed under five categories (Categories 1, 2, 3, 4, and 5) in accordance with the TS EN ISO 14064-1 standard.

TS EN ISO 14064-1	GHG PROTOCOL	TOTAL EMISSIONS (TCO2EQ)
CATEGORY 1	**SCOPE 1 DIRECT EMISSIONS**	**Stationary Combustion Mobile Combustion (On-road) Mobile Combustion (Off-road) Fugitive Emissions – Gases**
CATEGORY 2	**SCOPE 2 INDIRECT ENERGY EMISSIONS**	**Electricity**
CATEGORY 3	**SCOPE 3 OTHER INDIRECT EMISSIONS**	**Incoming & Outgoing Product Transportation Employee Commuting Business Travel**
CATEGORY 4	**SCOPE 3 OTHER INDIRECT EMISSIONS**	**Raw Material / Product Use Capital Goods Waste Disposal**
CATEGORY 5	**SCOPE 3 OTHER INDIRECT EMISSIONS**	**End-of-Life Treatment / Disposal of Products**

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Processes Included in the Assessment

1

Pressing & Thread Rolling Facility

2

Surface Treatment & Rolling Facility

3

Heat Treatment Facility

4

Sorting, Packaging & Logistics Facility

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Our Carbon Truth in Numbers

According to our 2023 emissions map, our total emissions amount to 39,519 tCO_2eq.

TS EN ISO 14064-1	
CATEGORY	TOTAL EMISSIONS (TCO2EQ)
CATEGORY 1	**326.32**
CATEGORY 2	**5,523.73**
CATEGORY 3	**12,895.60**
CATEGORY 4	**20,520.89**
CATEGORY 5	**252.47**
TOTAL EMISSIONS AMOUNT	**39,519.01**

Our calculations show that our carbon footprint is most affected by the supply chain, raw material usage, and logistics.

Therefore, supply chain management, logistics processes, and energy consumption are critical areas in our efforts to reduce emissions.

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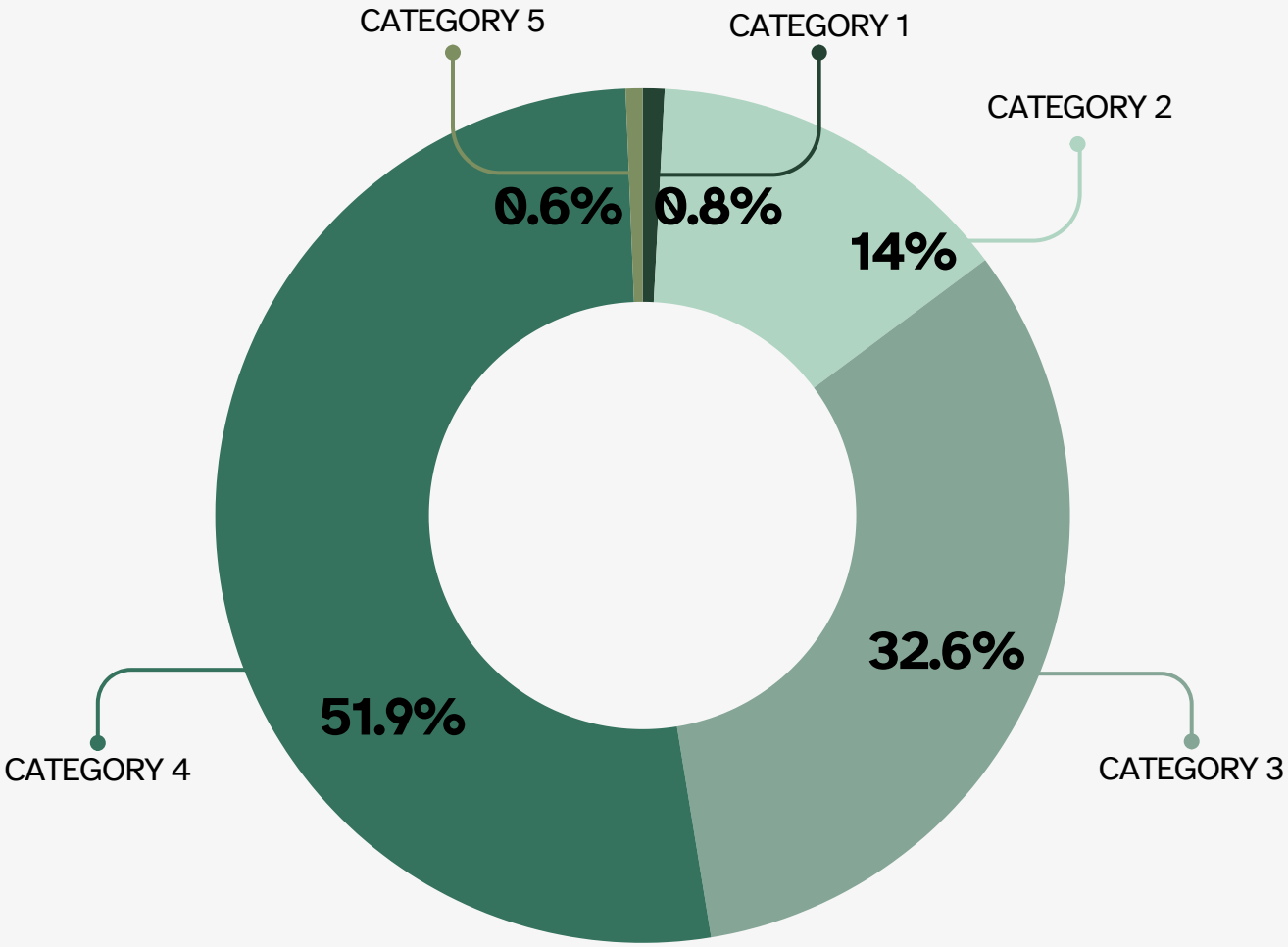
GHG Emissions Distribution

According to the **TS EN ISO 14064-1 Standard**, 51.9% of our total emissions originate from Category 4 (raw material use, capital assets, waste) and 32.6% from Category 3 (transportation, employee commuting, business travel). Indirect emissions from energy account for 14.0%, direct emissions account for 0.8%, and end-of-life emissions account for 0.6%.



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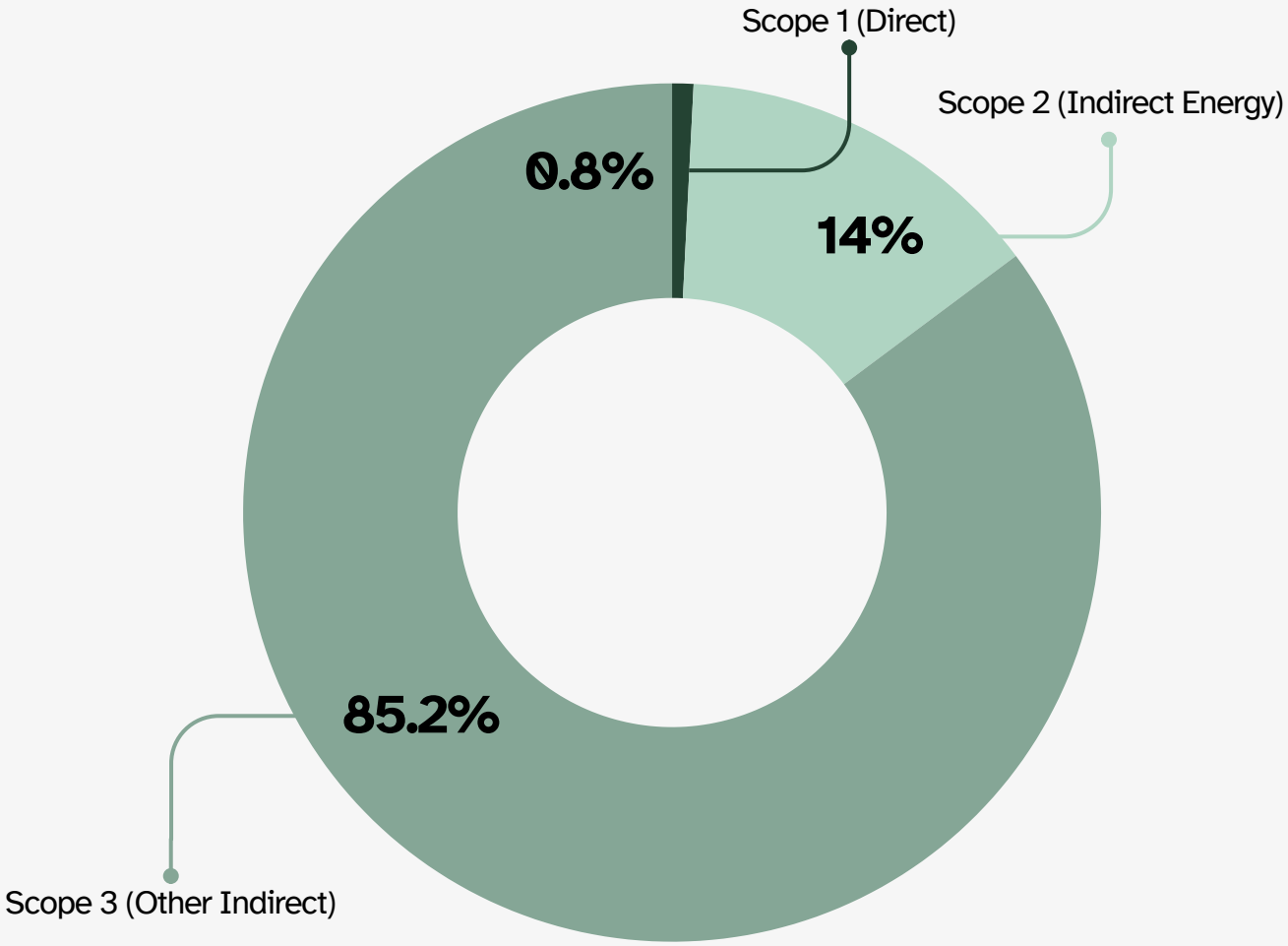
GHG Emissions Distribution

According to calculations made in accordance with the **GHG Protocol**, 85.2% of our total emissions originate from Scope 3 (supply chain, logistics, and raw material use). This is followed by 14.0% from Scope 2 (indirect energy emissions) and 0.8% from Scope 1 (direct emissions).



The Carbon Footprint Performance Report has been prepared within the framework of our sustainability vision and forms the basis of our emission reduction strategies.