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# Emissions Management

We identified 2023 as our base year for emission calculations and revised 2022 emission data for comparative purposes. This is reported in our **2023 Carbon Footprint Report**.

**Table: Margün Enerji 2022 and 2023 Total Emissions (tCO2e)**

Scopes	2022	2023	Target
Scope 1	2.14	12.13	Reduce 30% by 2030
Scope 2	598.86	721.41	Reduce 30% by 2030
Scope 3	0.0	11.24	Reduce 25% by 2030
Total	601.11	744.78	

We do not have any chemicals or toxic materials such as VOC, SOx, PBT, PVC, etc, emitted by our operations. The Company emits 0.1 tons of NOx emissions as a result of mobile combustion and flights.

## Emissions Management Strategy

Climate technologies play a central role in transition to a zero-carbon economy. With our material targets of increasing renewable energy capacity and increasing energy efficiency, we are supporting to reduce the global greenhouse gas emissions.

As per our **Environment Policy** and with the coordination of Environment Subcommittee, we take various actions to reduce emissions in various operations of our business:

To reduce the environmental impact of transportation of our staff, in 2023, we took further actions to increase the number of electric vehicles in our fleet. As part of our Sustainability Webinars, we present more sustainable choices in every context of our lives and transportation is one of them. We advise our employees to use more sustainable choices in transportation whenever possible. This not only decreased our carbon footprint but also our NOx emissions.

As part of our Green Office policy under Environment Policy, we take important measures to choose green offices with sustainability certifications. A solid example of this is our Istanbul Office located in Zorlu Center, a building that was deemed worthy of the Green Good Design award.

In order to support the emissions management in our value chain, we ask our suppliers to eliminate or take action to reduce any toxic, hazardous chemicals emitted from their operations under our **Supplier Policy** and we commit to terminate our relations with suppliers that fail to provide evidence to do so.

With our 2050 net-zero emission and 100% green energy consumption target, we are aiming to reduce our Scope 1, Scope 2 emissions by 30% and Scope 3 emissions by 25% as of 2030.



# Water Management

The Company’s commitment to sustainable practices guides its policies for water conservation and management, as outlined in our Environmental Policy. As part of our water efficiency policy, we take significant measures to reduce our water footprint both in our offices and in our core operations when providing EPC and O&M services.

## Green Office Policy:

Under Green Office Policy practices, we use sensor tap systems placed in sink areas which minimize water use in the office. Additionally, we have invested in a kitchen water sanitisation system, reducing the demand on natural water sources and helping to preserve them.

## Water Efficiency in Panel Cleaning:

Generation Assets – PV Panels: We generate solar energy with our 118MW solar power plants. These land-based power plants are not near industrial areas and do not get covered by dust, allowing rain to naturally clean the panels and manage water efficiency.

EPC & O&M Services: We advise and contract with our clients to wash solar PV panels twice a year, in May and August when rainfall is minimal and solar productions at its peak. For roof-type solar power plants, we contract for PV panel washing as needed, depending on the level of soil and industrial dust. We use cleaning robots that minimize water use for panel surface cleaning.

**Table: Margün Enerji 2022 and 2023 Water Consumption (Lt)**

	Unit	2022	2023
Total water consumption	Lt	53,190	90,830
Total freshwater consumption	Lt	0	0
Amount of water recycled or reused	Lt	0	0

The increase in Office water consumption is attributed to the growing number of company employees.





# Waste Management

The Company ensures efficient waste management in accordance with the ISO 14001 Environmental Management System, Environment Policy. Our Waste Management Subcommittee ensures that the waste management processes run smoothly and takes necessary actions to improve waste management of the Company.

**Table: Margün Enerji 2022 and 2023 Waste Generation (tons)**

	Unit	2022	2023
Total amount of waste generated	ton	0.002	0.43
Total amount of non-hazardous waste generated	ton	0.002	0.43
Total amount of hazardous waste generated	ton	0	0
Total amount of recycled and reused waste generated	ton	0.002	0.43

In 2023, we did not generate any hazardous waste from our operations and we recycled all our waste.

## Waste Management Strategy

The Company aims to reduce and recycle waste both in its offices and in operational fields in line with its Environment Policy.

● **Green Office Policy:** We took important actions aimed at reducing waste generation in Margün Enerji offices.

We have switched to water sanitisation system in the kitchen in order to eliminate the use of plastic bottle use and plastic contamination. The Company chooses glass bottles for any fresh water procurement.

We separate our waste at the source using recycling bins placed in the common areas of the office. We ensure that the recyclable waste in our office activities is separated into categories of glass, metal, plastic, paper, collected and recycled by the municipality.

We ask our employees to use both sides of the paper when printing and to minimize paper usage and by continuing their work digitally whenever possible. We collect single-sided printed papers in a box before recycling and ensure that the other sides are used as draft or printing paper.

As per our e-waste policy we are taking initiatives to recycle, repurpose e-waste produced by our offices by working with city and municipal authorities to properly handle and recycle e-waste such as lap tops, screens, fax machines and printers.

● **Waste Management in the Field Operations:** In our field EPC operations at installation sites, we organise collection of waste produced in with local municipal authorities which provide recycling services. We also repurpose some waste such as packaging wood and give it to nearby villagers for their heating use. We are working on developing a system for measuring all waste and recycled waste in our field operations to include them in our waste management systems.



# Social Performance Indicators

## Workforce

	2022	2023
Direct Employment	72	100
Woman	6	15
Man	66	85

## Senior Management Structure

	2022	2023
Based on Gender		
Woman	1	0
Man	1	2

## Workforce

	2022	2023
Women		
18 - 30	4	13
30 - 50	2	2
50+	0	0
Man		
18 - 30	18	26
30 - 50	25	38
50+	23	21

## Average Employee Training (personxhour/total employee)

	2022	2023
General Trainings	5.1	4.4
OHS Trainings	10.0	17.3

## Total Number of Injuries and Occupational Diseases

	2022	2023
Number of Injuries	0	0
Occupational Diseases	0	0

## Supplier Data

	2022	2023
Number of local suppliers (domestic)	85	308
Number of overseas suppliers	39	2
Number of audits conducted in FY	5	2
Number of suppliers identified as negative	1	6
Number of suppliers with correction improvement plans	0	0
Number of suppliers whose employment contracts were terminated as a result of audit findings	0	0



# Environmental Performance Indicators

## Energy Consumption

	2022	2023
Total Direct or Indirect Energy Consumption (kWh)	1,260,304.44	1,502,672.79
Total Direct and Indirect Purchased Energy (kWh)	1,260,304.44	1,502,672.79

## Water Consumption

	Unit	2022	2023
Total water consumption	lt	53,190	90,830
Total freshwater consumption	lt	0,0	0,0
Amount of water recycled or reused	lt	0,0	0,0

## Greenhouse Gas Emissions (tco2eq)

	2022	2023
Scope 1	2,14	12,13
Scope 2	598.86	721.41
Scope 3	0,0	11,24
Total	601	744.78

## Waste

	Unit	2022	2023
Total amount of waste generated	ton	0.0022	0.43
Total amount of non-hazardous waste generated	ton	0.0022	0.43
Total amount of hazardous waste generated	ton	0	0
Total amount of recycled and reused waste generated	ton	0.0022	0.43