2022

CARBON MANAGEMENT AND STRATEGY DEVELOPMENT REPORT

GÜLİPEK

Every feedback we receive from you will empower us even more. That is why we care about your feedback.
Contact for Feedback :

BÜŞRA YOLDAŞ
SUSTAINABILITY AND INDUSTRIAL RELATIONS MANAGER

busra@gulipek.com.tr

ELİF ÇETİNTEPE
ENVIRONMENTAL AND QUALITY MANAGEMENT SYSTEMS MANAGER
elif@gulipek.com.tr

GÜLİPEK

INDEX

1 ABOUT REPORT

As the Gülipek family, we are proud to present our 2022 Carbon Management and Strategy Development Report, which marks the fourth edition of its publication, to our stakeholders. With our annual reports, we aim to share the steps and projects we have implemented to manage the impacts that occur during our production activities.

In our Carbon Management and Strategy Development Report, initially published in 2019, we conducted and evaluated the carbon footprint calculation solely for our Dyeing Factory. In 2020, we expanded the carbon footprint calculation to include our Spinning and Weaving factories, and the projects we conducted were assessed across all three factories.

Our 2022 report, like our previous reports, has been calculated in accordance with the ISO 14064-1:2018 standard. Similar to our 2021 report, this year's report also includes verified emission values, which have been validated by an Accredited Verification Body in accordance with ISO 14064-3:2019 to ensure the accuracy of calculations and reporting.

As Gülipek Textile, we continue to uphold our responsibility towards future generations through our Sustainability Report and Carbon Management and Strategy Development Report, which we publish annually with great sensitivity and continuous improvement, in line with the awareness of responsible production.

1951
FOUNDATION

1960
SPINNING FACTORY

1989
STARTING JACQUARD PRODUCTION

1997
EXPORT

2007
DYEING FACTORY FOUNDATION

2019
SPINNING FACTORY FOUNDATION

2023
GREEN SPINNING FACTORY FOUNDATION

2 CORPORATE PROFILE

Gülipek Textile was founded in 1951 by Kaya Ali GÜLGEÇ. In the early 1960s, the company purchased its Şrst weaving machines and began producing high-quality silk fabrics for local wholesalers and garment manufacturers. In the late 1980s, the company initiated jacquard production activities.

Gülipek Textile conducted its first fabric export to the United Kingdom in 1997. With the commissioning of the Dyeing factory and the Weaving factory in 2019, it became the “First Technical Textile Integrated Plant” in Türkiye.

Gülipek Textile continues to produce ready-to-wear and technical yarns for global brands, with a total of 19,748 m^2 of land, 23,482 m^2 of indoor space, 230 employees, and agencies located in 14 different countries.

Gülipek Textile, which has rapidly gained recognition in the technical yarn sector, continues its investments without slowing down. The construction of the 4th Factory, planned to be operational in the second half of 2023, is currently underway. With its expertise, innovative and forward-thinking approach, Gülipek Textile stands out in every field it operates in. The construction of the new spinning factory has been planned as a green facility. The new investment aims to achieve LEED Platinum Certification by following the suitability of being a green building, according to LEED

3 INTRODUCTION

In the 2022 Carbon Management and Strategy Development Report, the greenhouse gas emissions and removals related to all operations carried out under the responsibility of Gülipek Textile between January 1, 2022, and December 31, 2022, were calculated. The report was drawn up by Gülipek Textile in accordance with the requirements of ISO 14064-1:2018 standard and is published on the company's website annually.

The Carbon Footprint Report covers both direct and indirect emissions. The calculations take into account gases such as Carbon Dioxide (CO2), Methane (CH4), Nitrous Oxide (N2O), Nitrogen Trifluoride (NF3), Hydrofluorocarbons (HFC), Perfluorocarbons (PFC), and Sulfur Hexafluoride (SF6).

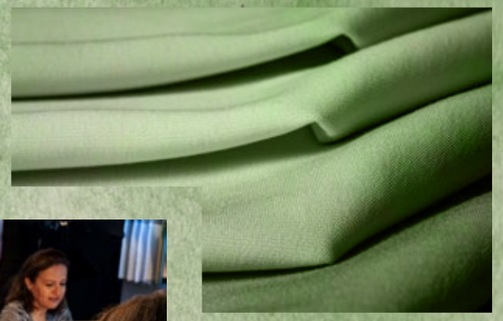
During the calculations, the following 6 categories were considered;

- Direct GHG emissions and removals;
- Indirect GHG emissions from imported energy;
- Indirect GHG emissions from transportation;
- Indirect GHG emissions from products used by the organization;
- GHG emissions resulting from activities evaluated in the Other category.

For the 2021 Corporate Carbon Footprint calculation, it is of great importance to base it on the calendar year or fiscal year to obtain more accurate and reliable results. Therefore, the base year for the Dyeing Factory was considered as 2019. Carbon footprint calculations started for the Spinning and Weaving Factories in 2020; thus, 2020 is accepted as the reference year for the Spinning and Weaving factories.

OBJECTIVES OF THE PROJECT

In 2022, World Overshoot Day was declared as July 28th. The one-year resource that the Earth provides for us has been consumed before even a year has passed. With the Green Deal Action Plan published in our country in 2021, the goal of becoming the first carbon-neutral continent by 2050 has been set. This momentum in international trade and economy has laid the foundations for a sustainable formation in line with our country's development goals.



In the Carbon Management and Strategy Development Report, the greenhouse gas inventory for the year 2022 is summarized, and measures to control greenhouse gas emissions from production activities are incorporated.

The coordinated handling and integration of flows that contribute to greenhouse gas emissions through production activities are among the crucial steps for action plans against global warming. With this aim, Gülipek Textile continues to improve its efforts every year and remains committed to the motto of "sustainable and livable environmental production.".

In compliance with Gülipek Textile's Greenhouse Gas Policies, the project objectives are as follows;

- Raise awareness of our employees and stakeholders by contributing to the fight against global warming and climate change,
- Reflect the greenhouse gas emissions for the year 2022, the activities that led to these emissions, and the company's reduction performance to reduce potential harm to the environment,
- Meet the changes in energy demand,
- Contribute to afforestation efforts,
- Reduce waste generation,
- Properly manage transportation and travel demands,
- Evaluate our improvement steps taken to manage the impacts of our activities,
- Ensure energy management and improvement in our operations,
- Identify opportunities to reduce greenhouse gas emissions and increase profitability by reducing energy consumption,
- Facilitate the monitoring of performance and progress in reducing greenhouse gas emissions and increasing greenhouse gas removal,
- Facilitate the development and implementation of greenhouse gas management strategies and plans,
- Adhere to the Green Deal Action Plan,
- Evaluate greenhouse gas reduction targets annually and set new goals,
- Develop projects to reduce greenhouse gas emissions,
- Set targets and develop projects to offset greenhouse gas emissions,
- Comply with sustainable development commitments (SDGs) and utilize the information obtained in Gülipek Textile's sustainability report.

5 METHODOLOGY

Carbon footprint is the calculation of the equivalent amount of greenhouse gas effects, resulting from production, services, processing, etc. in terms of carbon dioxide (CO_2).

In the Carbon Management and Strategy Development Report, calculations were made according to the GHG Protocol, including greenhouse gas emissions generated by each factory, as well as the 6 categories specified in ISO 14064-1 standard. All calculations were made and evaluated in carbon (CO_2e) equivalent kilograms/ton.

Taking into account all contributing factors to the calculations, energy and carbon footprints were determined using the methods specified in the ISO 14064-1 series guides and specifications, and the calculation groups indicated in the GHG Protocol. The data collection, calculation, reporting, and reference value tables were derived from the Intergovernmental Panel on Climate Change (IPCC) and DEFRA 2022 full set of guidelines.

Based on the calculations, new projects, improvement targets, and offsetting goals have been determined.

In our operations, natural gas, electricity, diesel, and gasoline are used as energy sources. Renewable energy has been utilized since 2019. In this regard, the electricity consumption in the Paint and Spinning factories is met through renewable sources (GES) with the I-REC certificate.

5.1. EMISSION SOURCES

When calculating the carbon footprint, the data on fuel, natural gas, and electricity consumption resulting from Gülipek Tekstil's activities have been used.

The emission sources and subheadings included in the calculation are based on the recorded data within Gülipek Tekstil. The inclusion of packaging materials used during product shipments in Scope 5 calculations has been deemed appropriate and has been included in the inventory for the first time in the reporting year. There are no carbon emissions resulting from biomass combustion within the company.

SCOPE 1

DIRECT

1.1. Stationary Combustion
- *Natural gas*
- *Generator*

1.2. Mobile Combustion
- *Company vehicle usage*
- *Forklift*

1.4. Leakage
- *Leakage from refrigerators*
- *Fire Protection*
- *Air Conditioning*
- *Climatization*

SCOPE 2

ENERGY - INDIRECT

2.1. Electricity
- *Electricity*

SCOPE 3

TRANSPORTATION

3.1. Input Material Fuel Consumption
- *Fuel consumption during raw material transportation*

3.2. Output Material Fuel Consumption
- *Fuel consumption during Product Transportation*
- *Fuel Consumption During Waste Disposal Transport*

3.5. Business Travels

SCOPE 4

USED INPUTS

4.1. Purchased products
- *Raw material purchase amount*

4.2. Waste Disposal

SCOPE 5

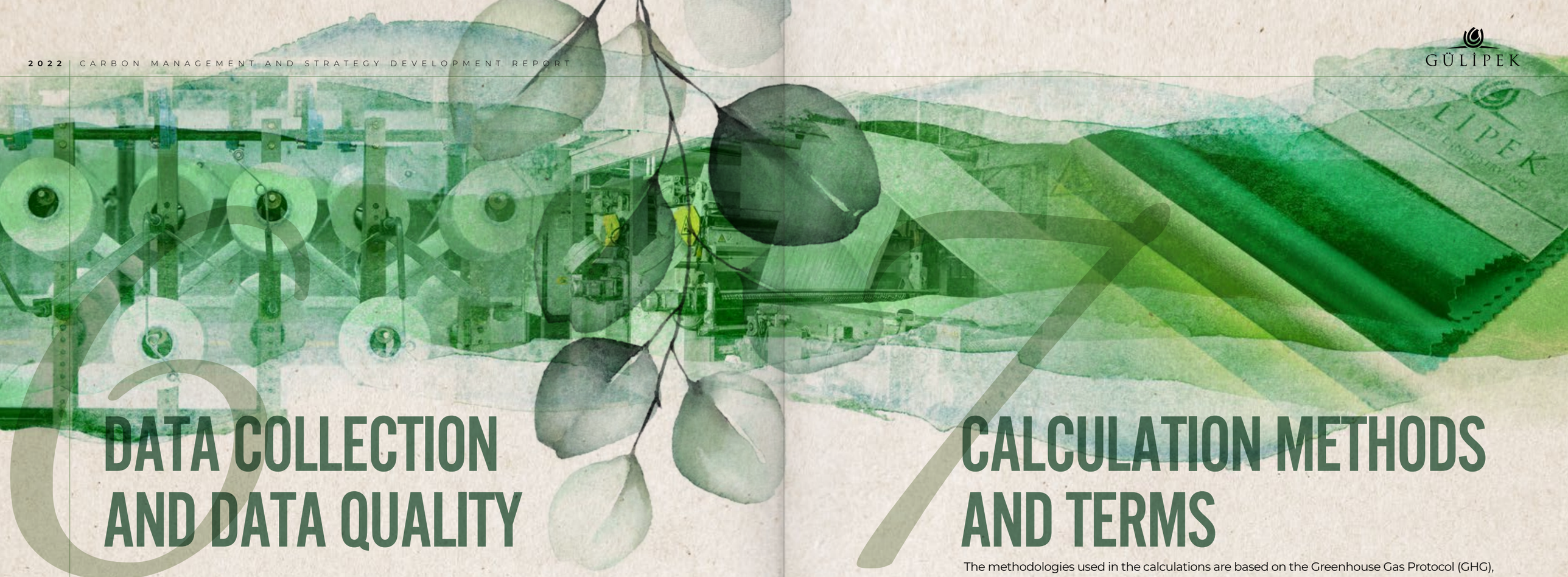
SOLD GOODS

5.1. Emissions or removals from the product use phase
- *Product packaging waste*

SCOPE 6

OTHER

- *Electrical losses / leakages*



6 DATA COLLECTION AND DATA QUALITY

- Before starting the calculations, the resources to be included in the calculations were determined, and it was decided which necessary data were required.
- Written requests were made to department managers, technical units, and service providers for these data and data evidence.
- The data covers a 12-month period.
- The assessment was based on the period from January 2022 to December 2022 to determine the emissions for a one-year period.
- The normalized reference base year for the Dyeing Factory is 2019, and for the Weaving and Spinning Factory is 2020. The selection of the reference year was determined by taking into account factors such as data availability and quality, and significant administrative changes.
- The data is subject to official records, and it is of good quality, consistency, and credibility.
- Data from external institutions (e.g., electricity and natural gas distribution companies) were provided for corporate-scale carbon inventories, and the relevant institution management provided support at all levels.
- When creating data inventories for waste disposals, business travels, and emissions related to transportation, flight information, vehicle tracking system, invoices, contracted fuel stations, MOTAT (Waste Management Application System), Turkish Airlines, Pegasus, Simpet, and similar organizations' data were used as a basis.
- Data regarding the distance covered by transportation vehicles and the fuel consumed during this distance were calculated by relying on data from transportation companies, where Gülipek fills 20% of the vehicle, and distances covered by their own vehicles for the transportation of raw materials and delivered products were supported by Simpet invoices for the calculations.
- When calculating the carbon emissions of product packaging waste, data from GEKAP Declarations were taken into account. The finished products from the weaving factory are not sold; they are used in the dyeing factory. Therefore, they are not included in Scope 5.

7 CALCULATION METHODS AND TERMS

The methodologies used in the calculations are based on the Greenhouse Gas Protocol (GHG), the Intergovernmental Panel on Climate Change (2006) (IPCC), and the DEFRA 2022 full set of documents.

When calculating the Carbon Footprint Report, the following formula and variables were used based on the types of greenhouse gas sources.

Total CO_2e = Activity Data x Appropriate Emission Factor

Emission Factor = Emission CO_2 + Emission CH_4 + Emission N_2O + ...

Global Warming Potential (GWP): A factor used to quantify the radiative forcing impact of a greenhouse gas based on its mass in terms of carbon dioxide equivalent during a specific time period. The GWP values from the IPCC AR5 have been used for GWP calculations. The following GWP values have been used for CO_2, CH_4, and N_2O.

CO_2e (Carbon Dioxide Equivalent): A unit used to compare the radiative forcing of a greenhouse gas with that of carbon dioxide.

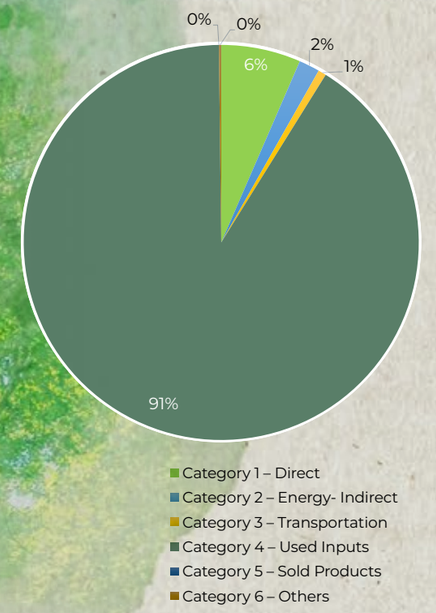
Greenhouse Gas	Formula	Atmospheric Lifetime (Years)	GWP (Global Warming Potential) (CO_2e)
Carbon dioxide	CO_2	5 – 200	1
Methane	CH_4	12,000	28
Nitrous oxide	N_2O	114,000	265
Perfluorocarbons	PFCs	50.000*	6.500 - 9.200
Hydro chlorocarbons	HFCs	226*	140 - 11.700
Sulfur Hexafluoride	SF6	3200,000	23.900

**: The highest values are shown for this group of greenhouse gases. (Source: 3 EPA, http://epa.gov/climatechange/ghgemissions/gases/fgases.html 4 Low GWP Alternatives to HFCs and PFCs, J. G. Owens,)*

8 WHOLE CARBON FOOTPRINT

The total carbon emissions resulting from the main and ancillary activities conducted within Gülipek Textiles for three factories amount to 45,524.615 tons of CO_2e.

This quantity is equivalent to the annual carbon emissions of 12,646 individuals in Turkey (3.6 tons per year per person). Upon analysis of the distribution, it has been determined that Scope 4 accounts for the highest greenhouse gas emissions, representing 90.94% of the total emissions. Within this scope, it has been identified that the carbon footprint is primarily attributed to raw materials and waste. A comparison of the figures with previous years has been carried out in the relevant section by monitoring stock levels and raw material purchases.

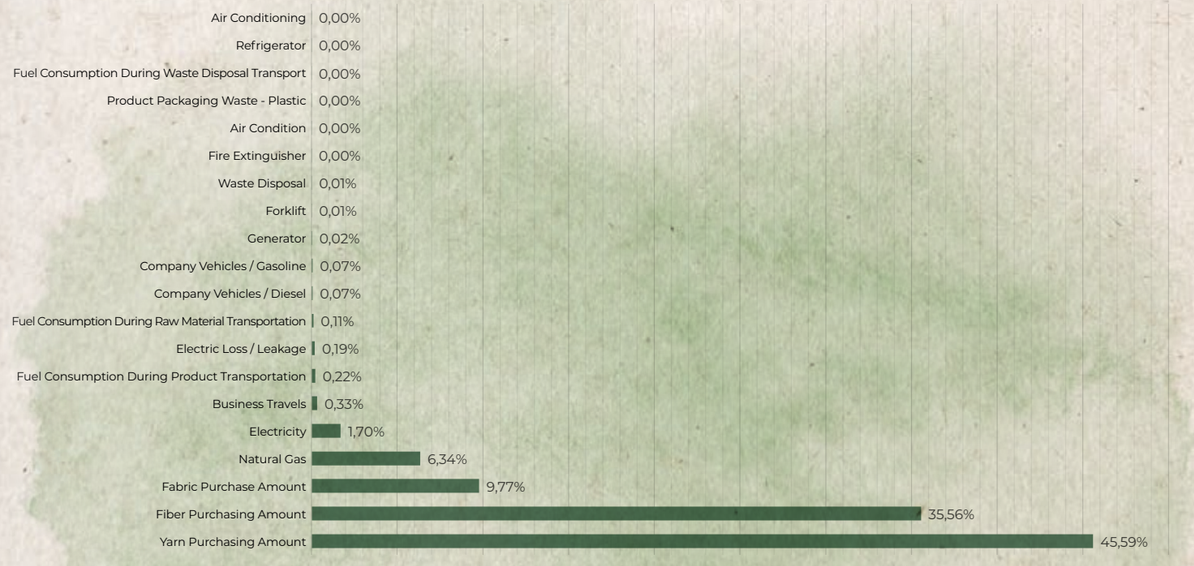


Graph 1. 2022 Emission Breakdown Details

Category	ton CO_2e
Category 1 - Direct	2.965,112
Category 2 - Energy - Indirect	774,918
Category 3 - Transportation	299,668
Category 4 - Used Inputs	41.399,312
Category 5 – Sold Products	0,364
Category 6 - Other	85,241
Total	**45.524,615**

In Scope 4, carbon emissions resulting from the main inputs, which are raw materials and waste, have been calculated to support the production activities of the Dyeing, Weaving, and Spinning factories.

When analyzing the emission distribution for the year 2022, emissions originating from raw materials account for 90.93% of the total emissions. Breaking down the emissions from raw materials, the Spinning used in the Weaving factory represents 45.59%, the fabric used in the Dyeing factory represents 9.77%, and the fiber used in the Spinning factory represents 30.56% of the emissions.

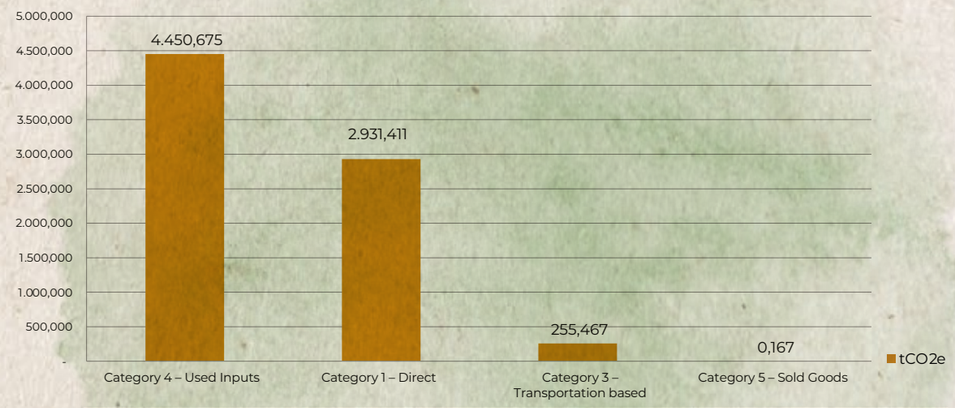


Graph 2. 2022 Emission Distributions Detail

After raw material purchases, it is observed that the highest proportions of emissions are energy-related. Natural gas accounts for 6.34% and electricity accounts for 1.70% of the total emissions. Reducing energy-related CO2e emissions will also result in reduced energy expenses for the business. Studies on the subject are evaluated by the energy commission and necessary actions are taken within the scope of reduction targets every year.

DYE FACTORY

The total carbon emission of the Dyeing factory in 2022 is 7,637,720 tons CO2e. In the reporting year, mWh equal to the amount of electricity consumed in 2022 is purchased and I-REC Certificate is obtained to prove that the electricity used in the Dyeing factory is met from renewable sources. Therefore, emissions from electricity use in Scope 2 and electricity losses/leakages in Scope 6 are not included in the calculation.



Graph 3. 2022 Dye Factory Emission Amounts by Scope

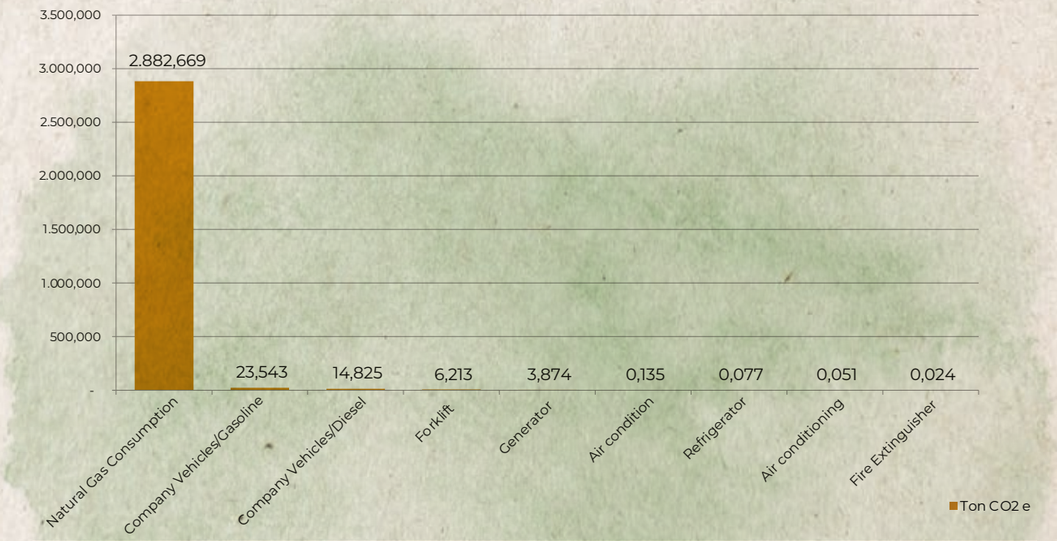
9.1.1. SCOPE 1

When examining the direct emission sources in Scope 1, including stationary combustion, mobile combustion, and leaks/leakages, a total of 2931.41 tons of CO2e emissions are emitted. Natural gas usage accounts for 98.34% of the carbon emissions within this scope. The second highest emission within this scope, accounting for 0.80%, is attributed to company vehicles using gasoline as fuel.

The Dyeing factory has a total of 8 vehicles that consume diesel and gasoline for company operations. Out of these vehicles, 2 are electric vehicles, aligning with the carbon footprint reduction targets.

Emission calculations have been performed for the stationary combustion category, including generators, and the mobile combustion category, including forklift usage. Diesel is used as fuel for both generators and forklifts. The quantities of diesel are recorded in charts and regularly compared through inspections.

In the reporting year, the addition of R410 gas to the air conditioning and cooling systems did not occur. However, potential leaks in the air conditioning system have been included in the calculations with an assumed leakage rate of 1%. The addition of gas to fire extinguishing tubes and potential leaks have also been included in the calculations assuming a leakage rate of 1%..



Graph 4. Year 2022 Dyeing Factory Scope 1 - Direct Carbon Emissions

9.1.2. SCOPE 3

Scope 3 analyzes the emission releases that occur during transportation activities. These emissions include the transportation of the company's products and raw materials, flights for business travel, and carbon emissions during waste disposal transportation.

In Scope 3, a total of 255,467 tons of CO_2e carbon emissions are generated. When examining the details of Scope 3, the highest emissions, accounting for 58.03%, occur during business travel. In the reporting year, domestic product deliveries are made by road transportation, while some of the international product deliveries are carried out by air transportation. Calculations have been made in accordance with road and air transportation data, and the resulting values have been aggregated to calculate the total carbon emissions from product transportation. Product transportation emissions rank second, accounting for 32.38% of the total emissions.

For the Dyeing factory, a significant portion of the fabrics used in production is transported from the Weaving factory using company vehicles. The carbon emissions during the transportation of externally sourced fabrics account for 9.56% of Scope 3. When calculating the transportation values for externally sourced materials, the carbon footprint of the transportation covered by Gülipek Textiles has been considered.

Graph 5. 2022 Dyeing Factory Scope 3 - Carbon Emissions from Transportation

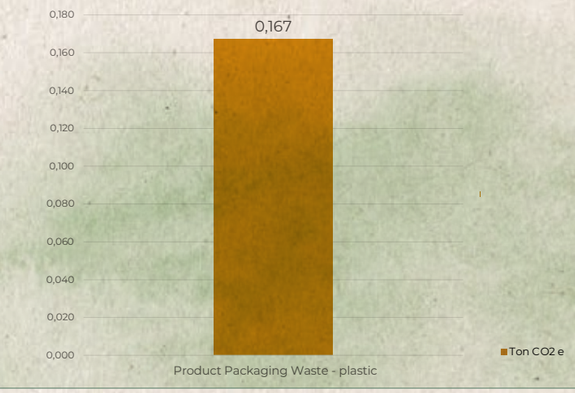
9.1.3. SCOPE 4

In Scope 4, the emissions generated by the products used by the company have been calculated by categorizing them into two categories: emissions from raw material purchase and emissions from generated waste. With a total of 4450.665 tons of CO_2e, these carbon emissions represent the highest scope.

Graph 6. Dyeing Factory Scope 4 - Carbon Emissions from Used Inputs

9.1.4 SCOPE 5

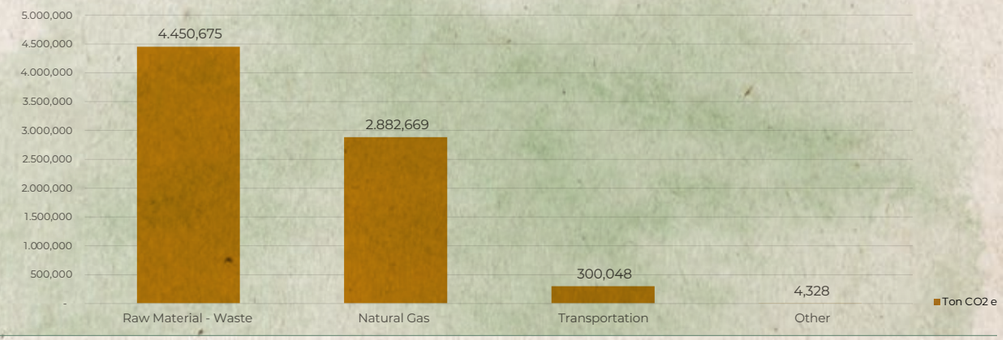
In Scope 5, the emissions generated by the packaging of the products created by the business have been calculated.



Graph 7. Carbon Emissions from Scope 5 - Product Packaging Wastes at the Dyeing Factory in 2022

9.2. CARBON EMISSIONS IN ACCORDANCE WITH THEIR CATEGORIES

During the calculation of the corporate carbon footprint, it has been determined that carbon emissions arise from raw material purchase, waste generation, natural gas, electricity, transportation, and other activities.



Graph 8. Emission Distribution by Dyeing Factory Categories

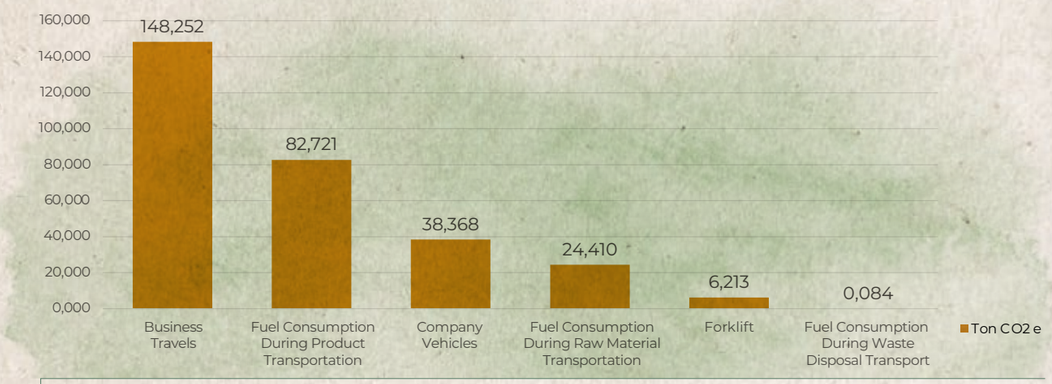
***Other:** Emissions from Refrigerator Leaks, Air Conditioning/Climate Control, Product Packaging Waste, Generator, and Fire Extinguisher contribute to the overall carbon footprint.

9.2.1. CARBON EMISSIONS IN ACCORDANCE WITH TRANSPORTATION ITEMS

Transportation-related carbon emissions account for 3.34% of the total emissions of the Dyeing factory. The highest emissions within the transportation category occur during product and raw material transportation. When calculating product and raw material transportation, only shipments covered by Gülipek Tekstil are taken into account.

Another significant source of emissions from transportation is business travel, which includes air travel by white-collar employees for work purposes. Since business travel is carried out by employees of the Dyeing factory, it is included only in the calculations of the Dyeing factory.

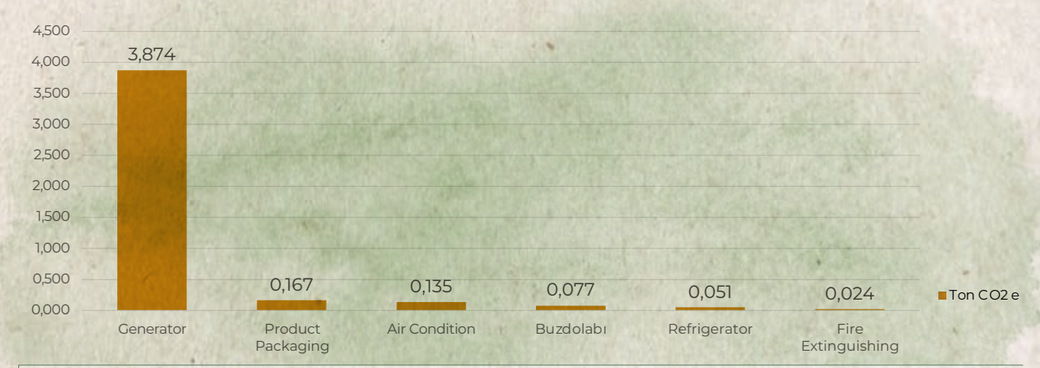
When calculating carbon emissions from waste disposal transportation, shipments covered by Gülipek Tekstil are included in the carbon footprint calculation. Location information, vehicle types, and fuel consumption data are provided by licensed waste disposal companies that handle the waste. The calculation takes into account that 20% of the waste containers are filled by Gülipek Tekstil.



Graph 9. Distribution of Emissions by Transportation Items at the Dyeing Factory

9.2.2. OTHER

In the “Other” category, the following items are included: leakage, fire protection, air conditioning/ climate control, sold goods, and generators. In 2022, the data for the air conditioning system was not included in the calculation as there were no gas refills for the Dyeing factory’s climate control system.



Graph 10. Dyeing Factory Other Category Emission Distribution

GÜLİPEK

WEAVING FACTORY

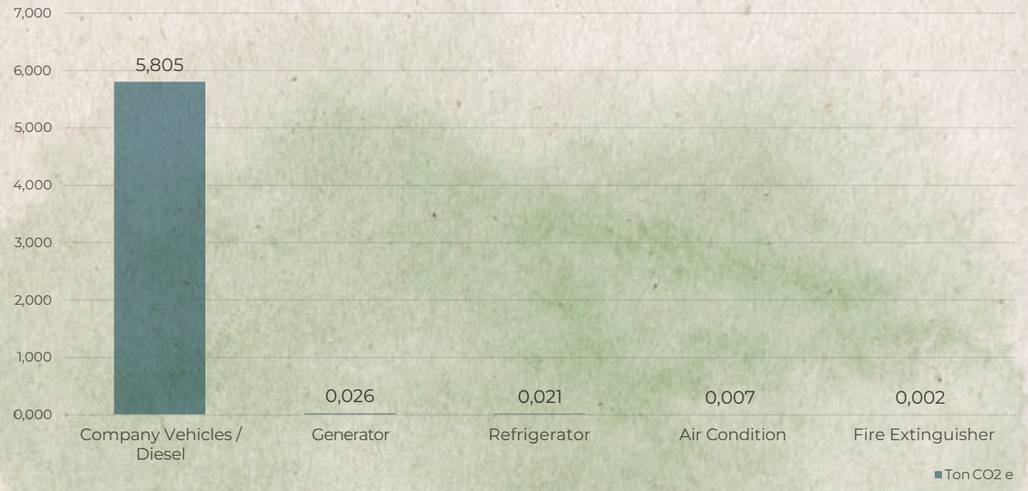
In the reporting year, the carbon footprint of the Weaving factory was calculated as 21,650.334 tons of CO_2e. The highest carbon emissions, accounting for 95.88%, are attributed to Scope 4. Scope 2, which includes electricity consumption, constitutes the second highest carbon emissions for the Weaving factory. Since the electricity consumption of the Weaving factory is not sourced from renewable sources, Scope 6 accounts for electricity losses and leakage.

Graph 11. 2022 Emission Amounts of Weaving Factory by Scopes

10.1.1. SCOPE 1

In Scope 1 of the Weaving factory, gasoline-powered vehicles in the Dyeing and Spinning factories are not used, and natural gas is not used.

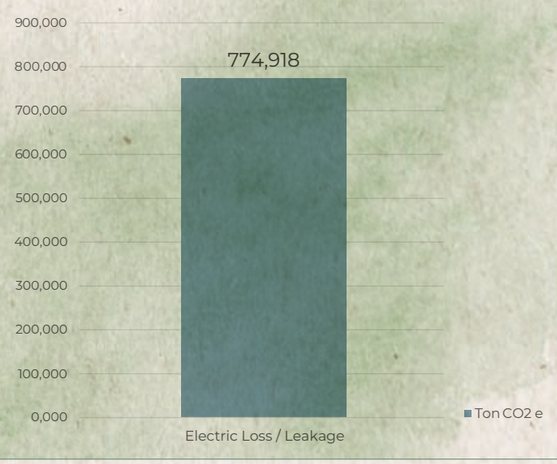
The Weaving factory's direct emissions amount to a total of 5.861 tons of CO_2e. This category includes emissions from diesel-fueled vehicles, refrigerator leakage, and emissions from fire protection. Upon examination of these items, it is determined that company vehicles account for 99.03% of the emissions, refrigerators account for 0.36%, fire extinguishers account for 0.03%, and air conditioners contribute 0.12% to the emissions.



Graph 12. 2022 Weaving Factory Scope 1 - Direct Carbon Emissions

10.1.2. SCOPE 2

The carbon emissions from electricity consumption of the Weaving factory for the year 2022 amount to 774.918 tons of CO_2e.



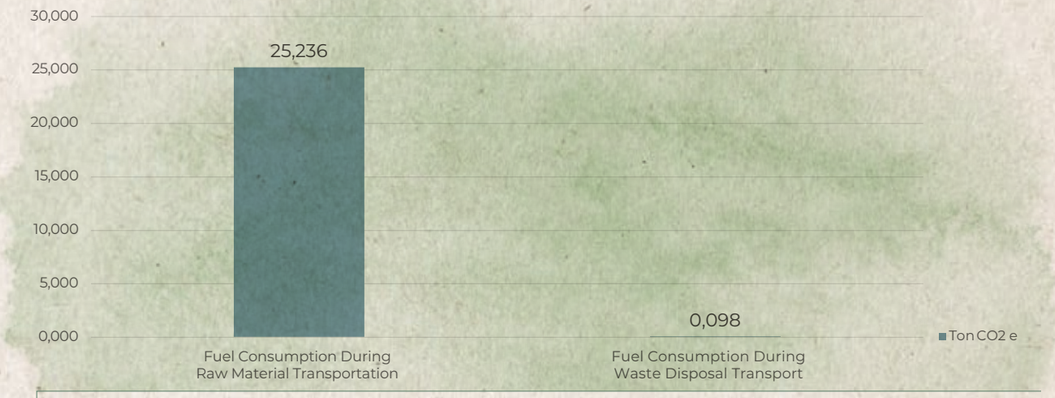
Graph 13. 2022 Weaving Factory Scope 2 - Electrical Carbon Emissions

10.1.3. SCOPE 3

In the reporting year, there are waste discharges where the transportation costs are covered by the Weaving factory. The only parameter that contributes to the transportation-related carbon emissions of the Weaving factory is the carbon emissions generated during raw material transportation.

When calculating the carbon emissions during raw material transportation, factors such as the distance covered by the incoming raw materials, transportation mode, trailer and cooling information of the transporting vehicles, the proportion of the vehicle filled by Gülipek Tekstil, and the company responsible for the transportation were detailed and supported by documentation.

Since all of the Weaving factory's products constitute the raw materials for the Dyeing factory, there were no emissions from product transportation.



Graph 14. 2022 Weaving Factory Scope 3 –Transportation Sourced Carbon Emissions

10.1.4. SCOPE 4

In the Weaving factory, there is a total of 20,758.981 tons of CO_2e carbon emissions in Scope 4. The Weaving factory's inputs are 99.99% derived from raw materials. The principal input of the Weaving factory consists of yarn purchases.

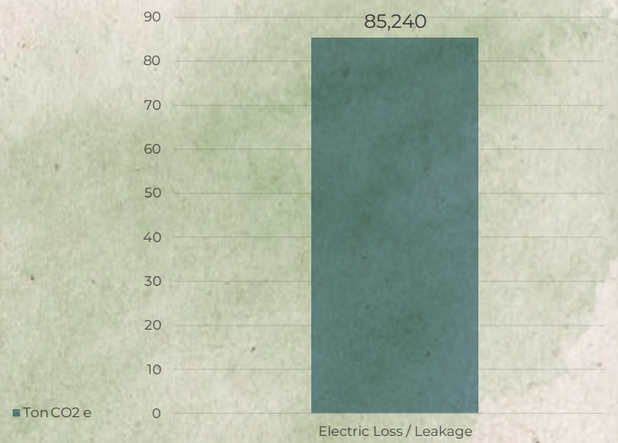
Graph 15. 2022 Weaving Factory Scope 4 – Carbon Emissions from Used Inputs

10.1.5. SCOPE 5

Packaging quantities shipped with the finished goods are included in the Scope 5 calculations. However, the finished products in the weaving factory are exempt from the relevant declaration since they are shipped between warehouses in the dyeing factory. Therefore, scope 5 is exempt from both GEKAP declaration and Scope 5 calculation .

10.1.6. SCOPE 6

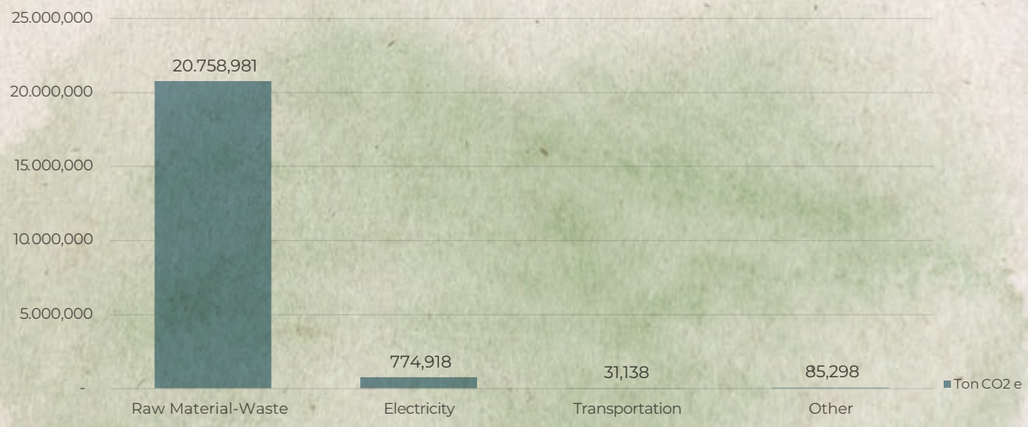
Since the electricity of the weaving factory is not supplied from renewable sources, the amount of emissions from electricity losses/leakages is calculated in Scope -6.



Graph 16. 2022 Weaving Factory Scope 6 - Other Carbon Emissions

10.2. DISTRIBUTION OF CARBON EMISSIONS BY CATEGORIES

When examining the emission releases for the weaving factory based on categories, it has been observed that emissions from raw materials and waste sources are higher compared to other categories.

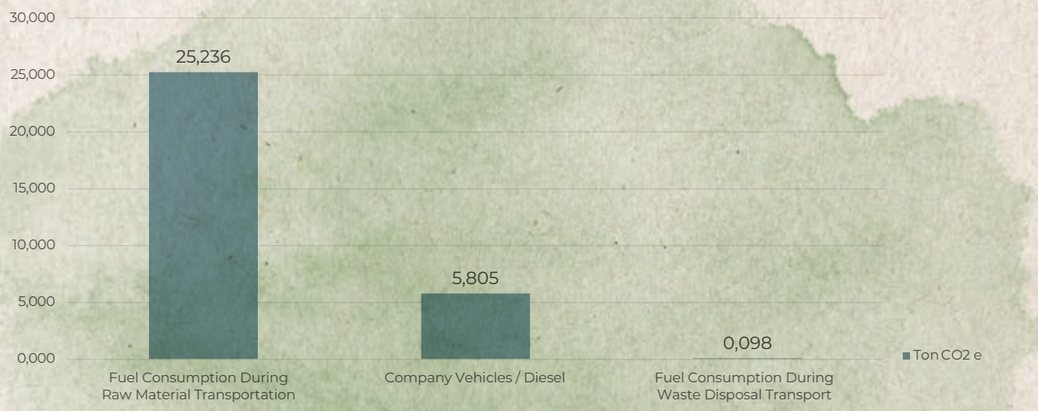


Graph 17. Emission Distribution by Weaving Factory Classifications

***Other:** Electricity and Refrigerator losses/leakages and Emissions from filling fire extinguishers, goods sold (product packaging waste), air conditioners and generators

10.2.1. CARBON EMISSIONS IN ACCORDANCE WITH TRANSPORTATION ITEMS

The transportation inputs of the weaving factory consist of emissions during company vehicle usage and raw material transportation. Only diesel-fueled vehicles are used in the weaving factory. Part of the transportation of raw material purchases is carried out using company vehicles. When calculating emissions from raw material purchases, the transportation costs incurred by Gülipek Tekstil and the deliveries made by the company's own vehicles are included in the calculation.

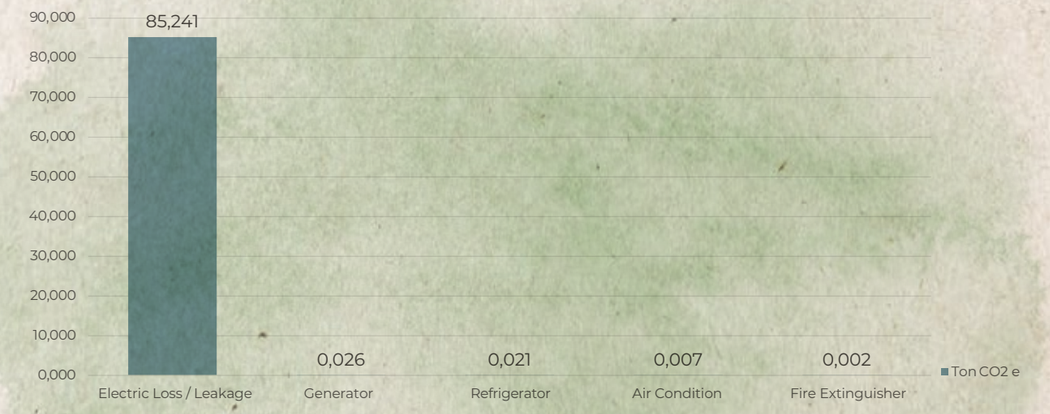


Graph 18. Distribution of Emissions by Weaving Factory Transportation Inputs

10.2.2. OTHER

The other category of the weaving factory consists of fire extinguishers, electricity, generator, electricity, air conditioning and refrigerator losses/ leaks.

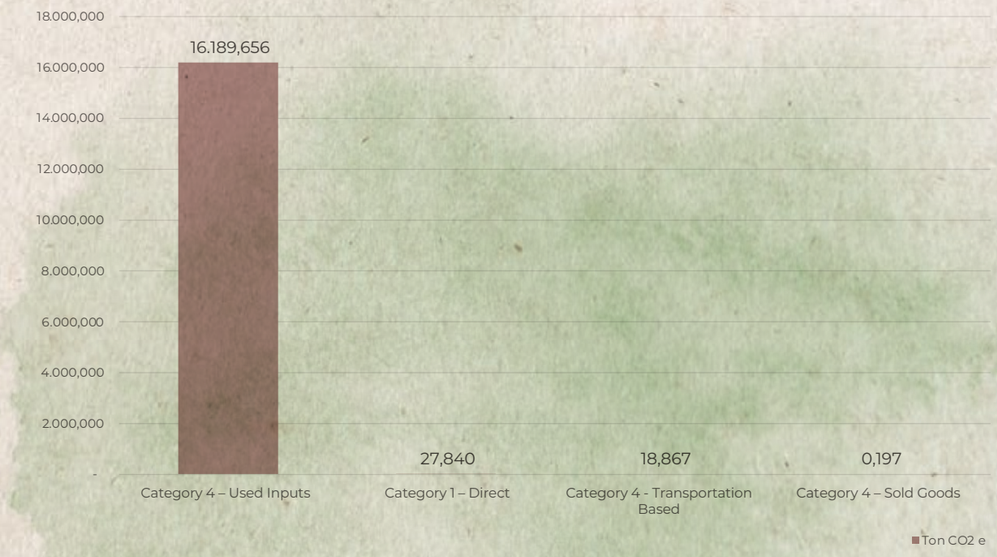
Since electric forklifts are used in the weaving factory, there are no emissions from this use.



Graph 19. Weaving Factory Other Category Emission Distributions

11 SPINNING FACTORY

The carbon footprint of the spinning factory for the reporting year is 16,236.561 tons CO2e. Starting from 2019, the energy used is sourced from renewable energy. An I-REC Certificate is obtained to confirm that the electricity is sourced from renewable sources. Therefore, emissions from electricity consumption and electricity losses/leaks have not been calculated.



Graph 20. Emission Amounts According to the Scope of the Spinning Factory in 2022

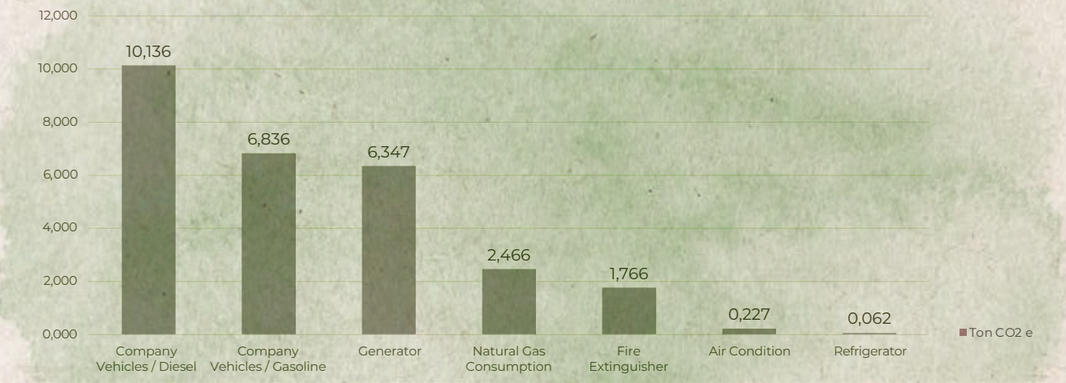
11.1.1. SCOPE 1

When examining the emission sources directly generated in Scope 1, including stationary combustion, mobile combustion, and losses/leaks, a total of 27,840 tons of CO_2e emissions are observed.

Since electric forklifts are used in the spinning factory, emissions from this source are not included in the calculation. The spinning factory has a total of 5 company vehicles, one of which is a hybrid vehicle.

Regarding emissions in Scope 1, 36.41% of emissions are attributed to vehicles that use diesel fuel, while 24.55% are attributed to vehicles that use gasoline. Emissions from mobile combustion have the highest values within this category.

Within Scope 1, emissions from stationary combustion sources occur as follows: generator 22.80%, natural gas 8.86%, fire extinguisher 6.34%, air conditioning 0.82%, and refrigerator losses/leaks 0.22%.



Graph 21. 2021 Spinning Factory Scope 1 Carbon Emissions

11.1.2. SCOPE 3

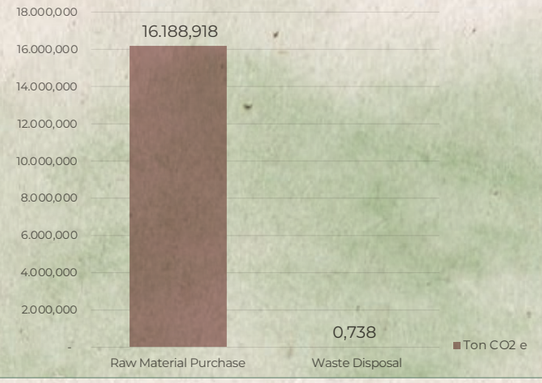
The transportation-related emission releases in Scope 3 for the Spinning Factory amount to a total of 18,867 tons of CO_2e. Within Scope 3, carbon emissions are distributed as follows: 93.93% from product transportation, 5.70% from raw material transportation, and 0.36% from waste disposal transportation.

When calculating emissions from product and raw material transportation, the transportation costs covered by Gülipek Tekstil are included in the calculation.

Graph 22. 2022 Spinning Factory Scope 3 – Carbon Emissions Resulting From Transportation

11.1.3. SCOPE 4

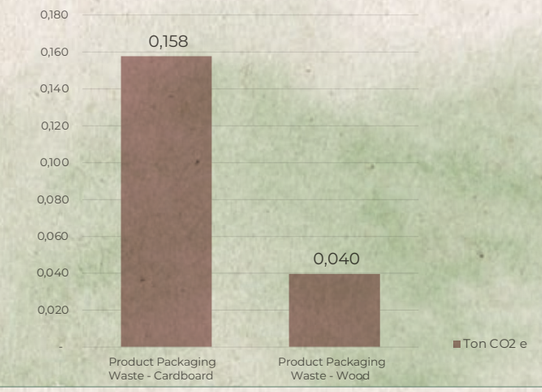
In the Spinning factory, there is a total of 16,189.656 tons CO_2e carbon emissions in Scope 4. The Spinning factory's inputs are 99.99% derived from raw materials. The primary input for the Spinning factory is fiber purchases.



Graph 23. 2022 Spinning Factory Scope 4 – Carbon Emissions Resulting From Used Inputs

11.1.4. SCOPE 5

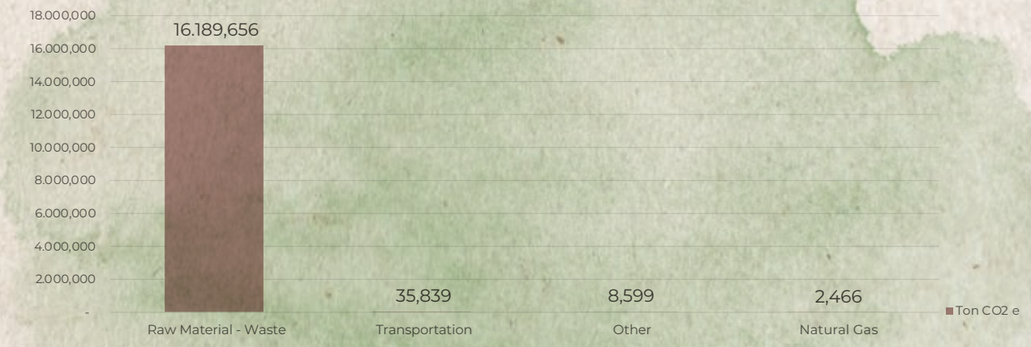
The emissions resulting from the packaging of products produced by the company are calculated in Scope 5. The pallets used during the transportation of yarns are classified as wood waste.



Graph 24. 2022 Spinning Factory Scope 5 – Carbon Emissions Resulting From Product Packaging Wastes

11.2. DISTRIBUTION OF CARBON EMISSIONS BY CATEGORIES

When calculating the corporate carbon footprint, it has been determined that carbon emissions arise from raw material and waste production, natural gas usage, transportation, and other activities.



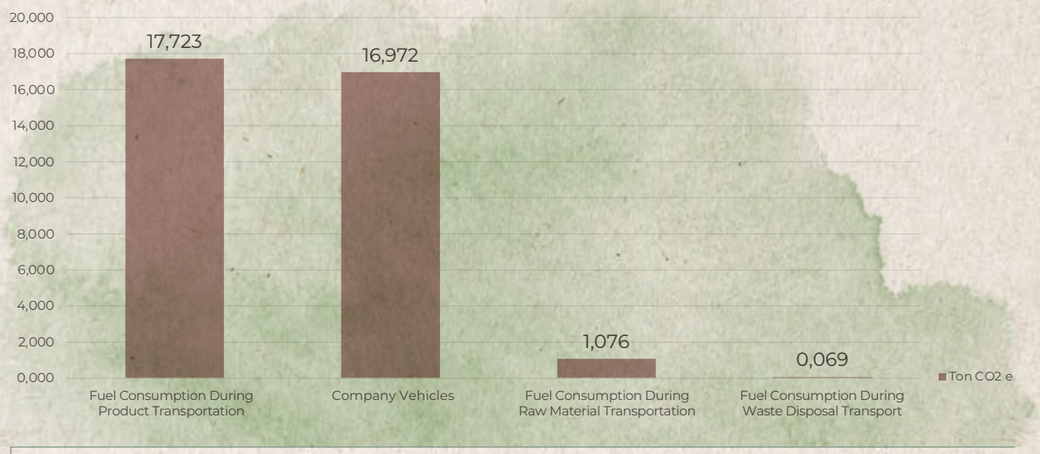
Graph 25. Emission Distribution according to Spinning Factory Classes

***Other:** Emissions from air conditioning, refrigerator losses/leaks, generator, product packaging products and fire extinguishers

GÜLİPEK

11.2.1. CARBON EMISSIONS IN ACCORDANCE WITH TRANSPORTATION ITEMS

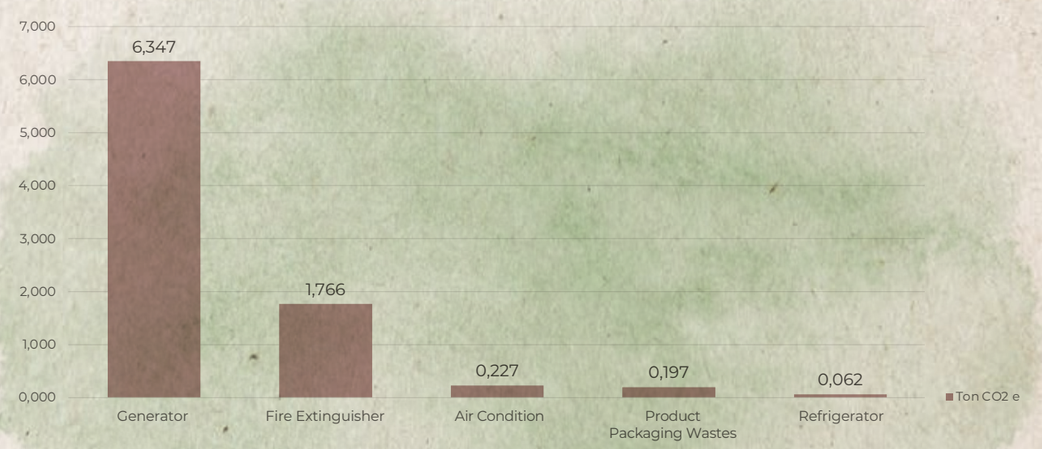
The transportation items of the spinning factory consist of emissions from company vehicles, waste disposal transportation, and emissions during raw material and product transportation. When calculating emissions from raw material purchases, the transportation costs covered by Gülipek Tekstil are included in the calculation.



Graph 26. Distribution of Emissions by Spinning Factory Transportation Items

11.2.2. OTHER

The other category of the spinning factory includes the generator, fire extinguisher, product packaging waste, air conditioning, and refrigerator losses/leaks.



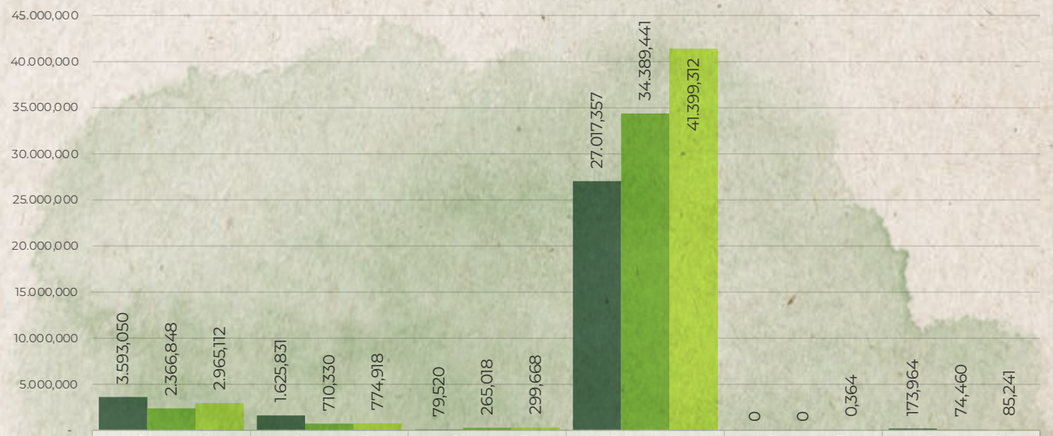
Graph 27. Spinning Factory Other Category Emission Distributions

12 COMPARISON OF GREENHOUSE GAS EMISSIONS BY YEARS

The first Carbon Footprint Report of Gülipek Tekstil was published in 2019, marking the beginning of the calculation process. The calculations were performed only for the Dyeing Factory. The Weaving and Spinning factories were included in the calculations starting from the year 2020. Therefore, when making comparisons between years, the Dyeing Factory will be compared for the years 2019 and 2020, while the Weaving and Spinning factories will be compared for the year 2020.

12.1. FACTORY SCOPES

When comparing based on scopes, emissions of the Dyeing Factory were calculated for the year 2019. Therefore, a comparison was made for the years 2020, 2021, and 2022.



	Category 1	Category 2	Category 3	Category 4	Category 5	Category 6
2020	3.593,050	1.625,831	79,520	27.017,357	0	173,964
2021	2.366,848	710,330	265,018	34.389,441	0	74,460
2022	2.965,112	774,918	299,668	41.399,312	0,364	85,241

Graph 28. Category Inventory Graphic for the Years 2020, 2021 and 2022

When 2020, 2021 and 2022 emissions are compared on a scope basis;

Scope 1
Increased by
%23,02

Scope 2
Increased by
%9,09

Scope 3
Increased by
%13,07

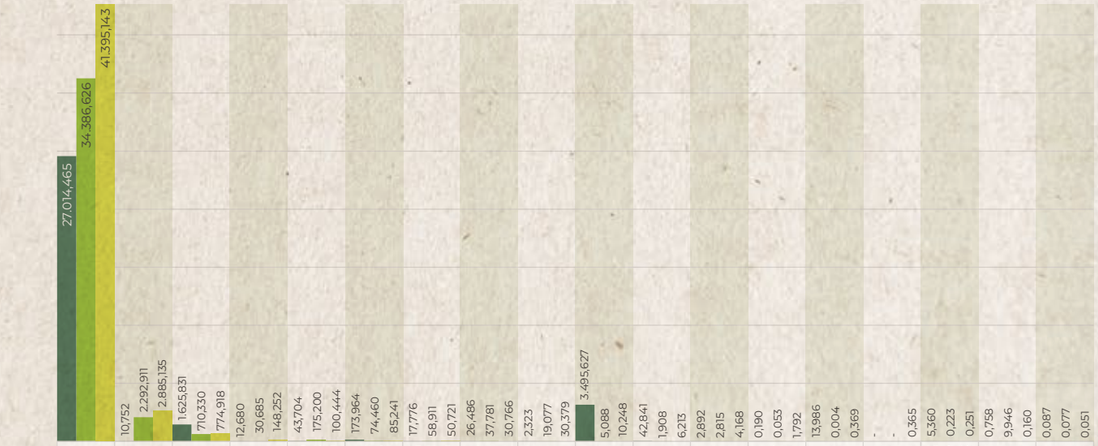
Scope 4
Increased by
%20,38

Scope 6
Increased by
%14,48

***Scope 5,** has been included in the calculations for the reporting year. Therefore, the base year for this scope is considered to be 2022.

12.2. EMISSION ITEMS

The emission sources that constitute the carbon footprint calculations of the Dyeing, Weaving, and Spinning factories have been compared for the years 2020, 2021, and 2022.



	Raw Material Purchase	Natural Gas	Electricity	Business Travel	Fuel Consumption During Product Transportation	Electric Loss / Leakage	Fuel Consumption During Raw Material Transportation	Company Vehicles / Diesel	Company Vehicles / Gasoline	Generator	Forklift	Waste Disposal	Fire Extinguisher	Air Condition	Product Packaking Wastes	Fuel Consumption During Waste Disposal Transport	Refrigerator	Air Conditioning
2020	27.014	10,752	1.625,	12,680	43,704	173,96	17,776	26,486	2,323	3.495,	42,841	2,892	0,190	13,986	-	5,360	0,758	0,087
2021	34.386	2.292,	710,33	30,685	175,20	74,460	58,911	37,781	19,077	5,088	1,908	2,815	0,053	0,004	-	0,223	9,946	0,077
2022	41.395	2.885,	774,91	148,25	100,44	85,241	50,721	30,766	30,379	10,248	6,213	4,168	1,792	0,369	0,365	0,251	0,160	0,051

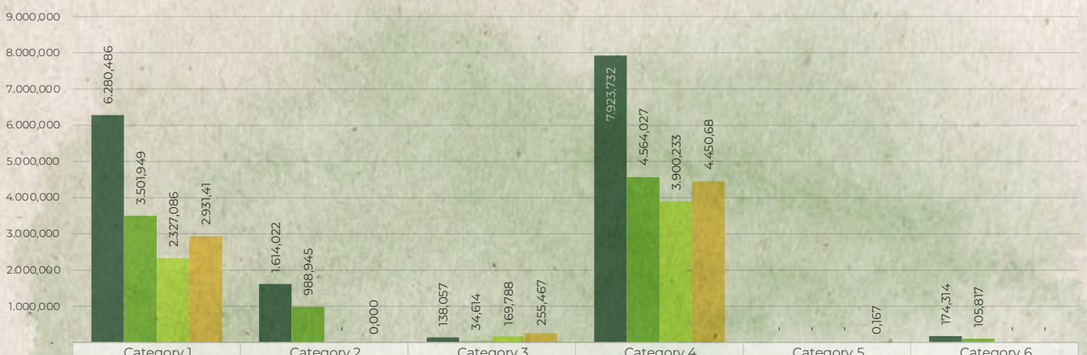
Graph 29. 2020, 2021 and 2022 Emissions Items Inventory Graphic

13 DYE FACTORY BY YEARS

13.1. SCOPES

When examining the emission releases of the Dyeing Factory for the years 2019, 2020, 2021, and 2022 based on their scopes, an increase is observed except for the transportation-related emissions that constitute Scope 3.

In the reporting year, the Dyeing Factory did not have any emission releases in Scope 1, Scope 2, Scope 5, and Scope 6.

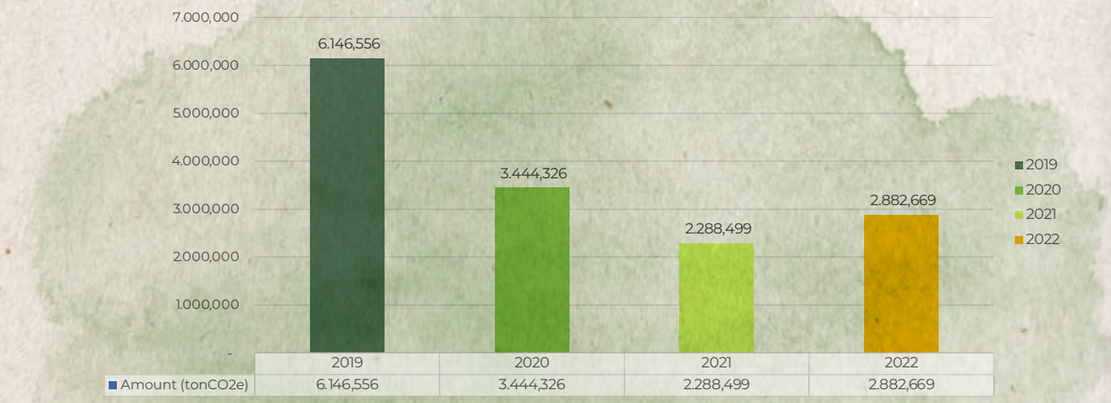


	Category 1	Category 2	Category 3	Category 4	Category 5	Category 6
2019	6.280,486	1.614,022	138,057	7.923,732	-	174,314
2020	3.501,949	988,945	34,614	4.564,027	-	105,817
2021	2.327,086	-	169,788	3.900,233	-	-
2022	2.931,41	0,000	255,467	4.450,68	0,167	-

Graph 30. Dyeing Factory Scope Inventory Graphic

13.2. NATURAL GAS

When examining the emissions resulting from natural gas consumption, it is observed that there is a decrease each year. In the reporting year, insulation was added to pump jackets, and insulation was applied to several machines. The details of the projects carried out will be explained in the 2022 sustainability report.



	2019	2020	2021	2022
Amount (tonCO2e)	6.146,556	3.444,326	2.288,499	2.882,669

Graph 31. Dyeing Factory Natural Gas Inventory Graphic

GÜLİPEK

13.3. ELECTRICITY

Improvements made to reduce electricity consumption and the impact of the COVID-19 pandemic have led to a decrease in electricity-related emission releases in 2019 and 2020.

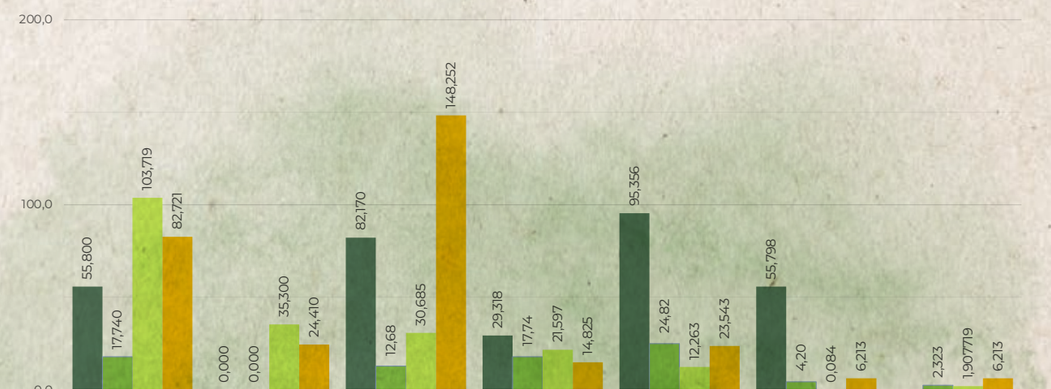
In the reporting year, the Dyeing Factory has a certificate of IREC (International Renewable Energy Certificate) confirming that its electricity consumption is sourced from renewable sources.

	Electric	Electric Loss / Leakage
2019	1.614,022	174,314
2020	988,945	105,817
2021	-	-
2022	-	-

Graph 32. Dyeing Factory Electricity Inventory Graphic

13.4. TRANSPORTATION

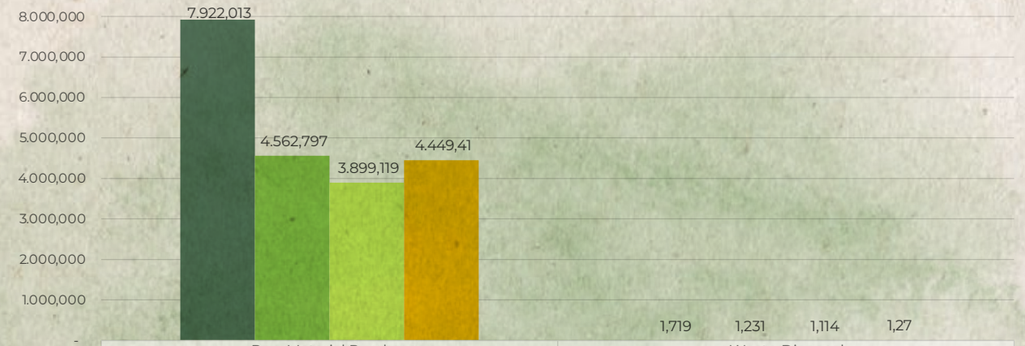
When analyzing the transportation inventory for the Dyeing Factory over the years, an increase in emission releases was observed during the transportation of raw materials and products.



	Fuel Consumption During Product Transportation	Fuel Consumption During Raw Material Transportation	Fuel Consumption During Raw Material Transportation	Vehicle Emissions Diesel	Vehicle Emissions Gasoline	Fuel Consumption During Waste Disposal Transport	Forklift
2019	55,800	0,000	82,170	29,318	95,356	55,798	
2020	17,740	0,000	12,68	17,74	24,82	4,20	2,323
2021	103,719	35,300	30,685	21,597	12,263	0,084	1,907719
2022	82,721	24,410	148,252	14,825	23,543	6,213	6,213

Graph 33. Dyeing Factory Transportation Inventory Graphic

13.5. RAW MATERIAL AND WASTE CARBON EMISSION CALCULATION

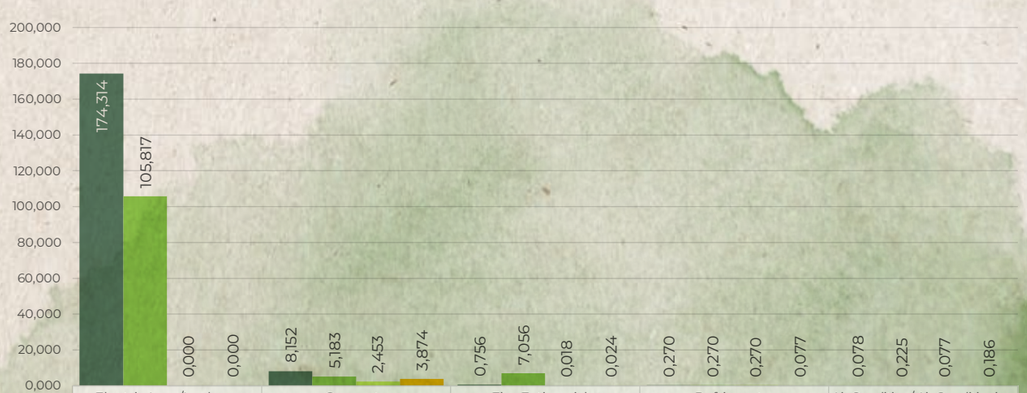


	Raw Material Purchase	Waste Disposal
2019	7.922,013	1,719
2020	4.562,797	1,231
2021	3.899,119	1,114
2022	4.449,41	1,27

Graph 34. Dyeing Factory Raw Material and Waste Inventory Graphic

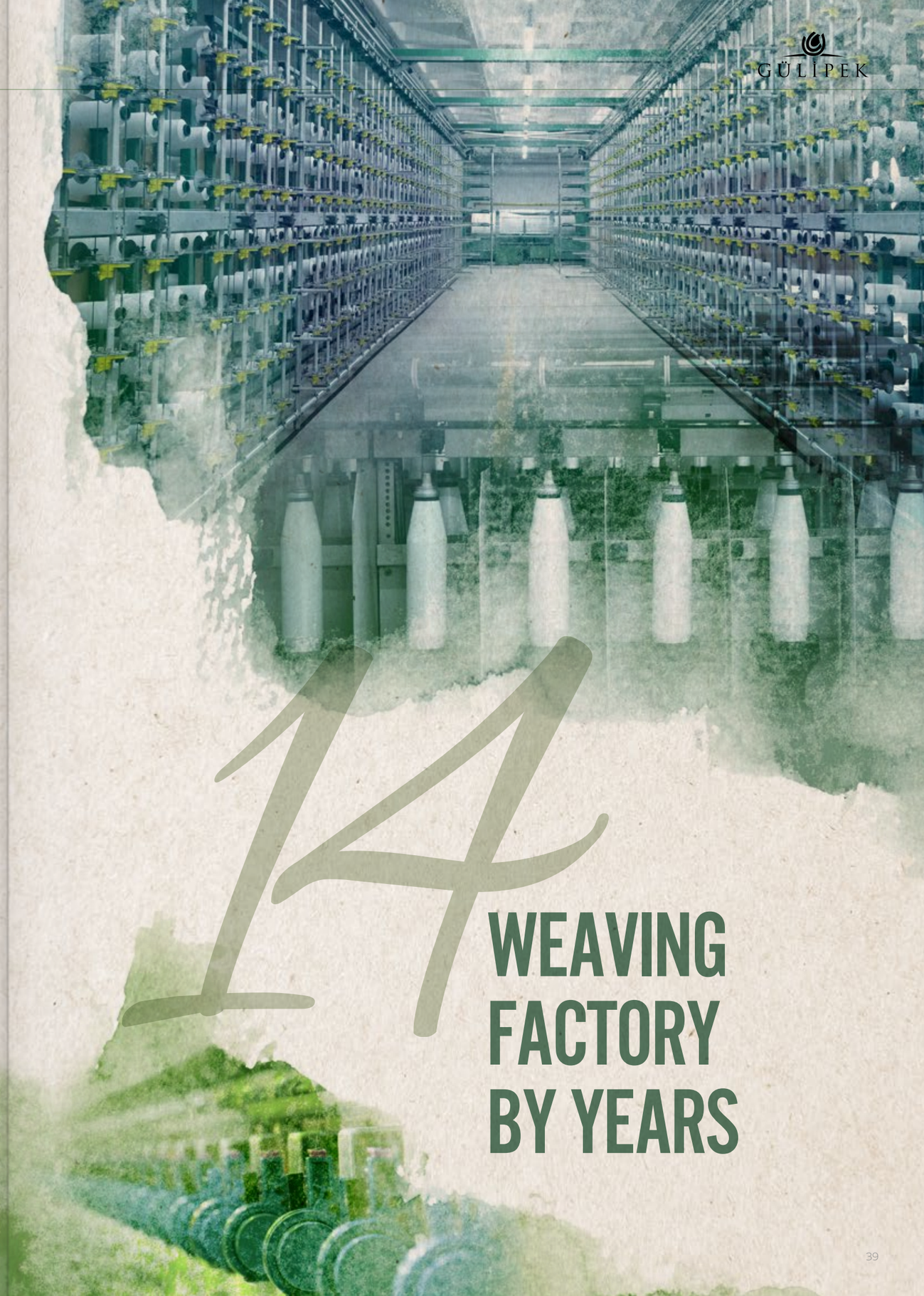
13.6. OTHER

In the “Other” category, the highest emission releases in 2019 and 2020 were due to electricity losses. However, in 2022, with the acquisition of the YEK-G Certificate, there were no emissions resulting from electricity losses.



	Electric Loss/Leakage	Generator	Fire Extinguisher	Refrigerator	Air Condition/ Air Conditioning
2019	174,314	8,152	0,756	0,270	0,078
2020	105,817	5,183	7,056	0,270	0,225
2021	0,000	2,453	0,018	0,270	0,077
2022	0,000	3,874	0,024	0,077	0,186

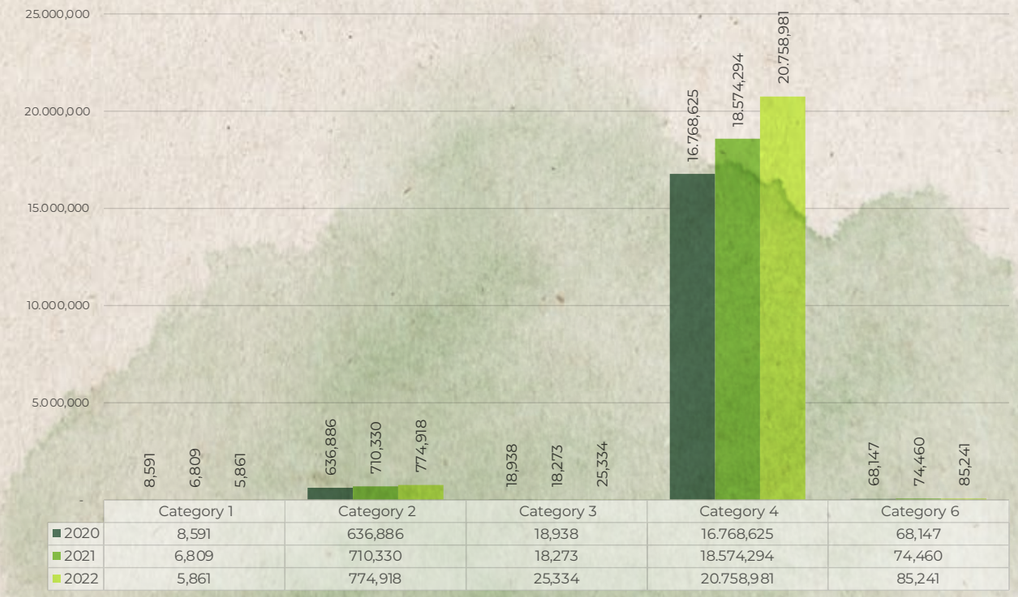
Graph 35. Dyeing Factory Other Inventory Graphic



14 WEAVING FACTORY BY YEARS

14.1. SCOPES

When comparing the emission releases of the Weaving Factory for the years 2020, 2021, and 2022 based on their scopes;

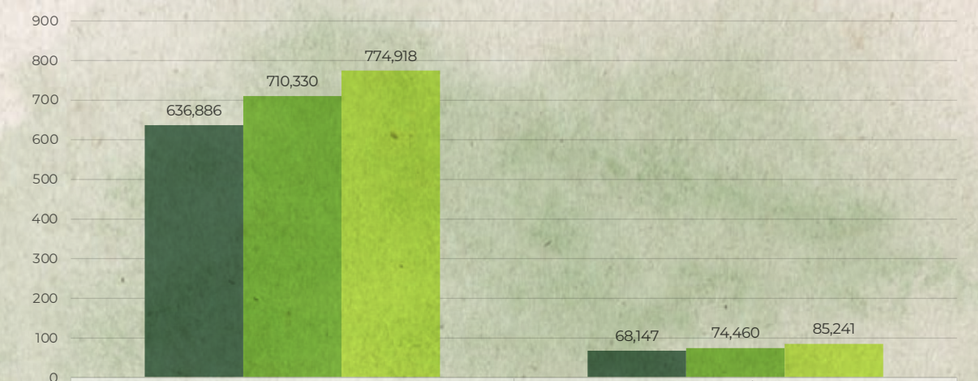


	Category 1	Category 2	Category 3	Category 4	Category 6
2020	8,591	636,886	18,938	16.768,625	68,147
2021	6,809	710,330	18,273	18.574,294	74,460
2022	5,861	774,918	25,334	20.758,981	85,241

Graph 36. Weaving Factory Scope Inventory Chart

14.2. ELECTRICITY

When comparing the emission releases of the Weaving Factory for the years 2020, 2021, and 2022, specifically related to electricity usage, an increase of 9.09% is observed.



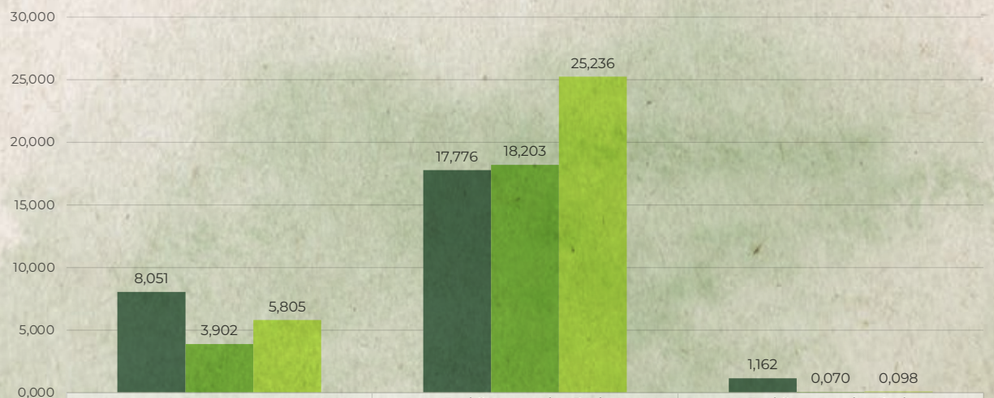
	Electricity	Electric Loss/Leakage
2020	636,886	68,147
2021	710,330	74,460
2022	774,918	85,241

Graph 37. Weaving Factory Electrical Inventory Graph

14.3. TRANSPORTATION

There is no product transportation for the Weaving Factory since its products are solely provided to the Dyeing Factory.

Regarding emissions from vehicles using diesel fuel, there has been an increase of 48.77%. Emission releases during raw material transportation have increased by 38.64%, and there is a 40.28% increase in carbon emission releases from waste disposal transportation.



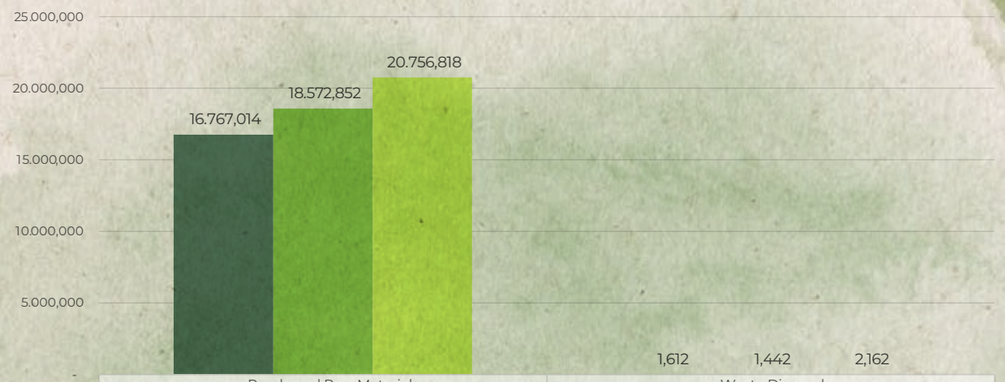
	Vehicle Emission Diesel	Fuel Consumption During Raw Material Transportation	Fuel Consumption During Waste Disposal Transport
2020	8,051	17,776	1,162
2021	3,902	18,203	0,070
2022	5,805	25,236	0,098

Graph 38 Weaving Factory Transportation Inventory Chart

14.4. RAW MATERIAL AND WASTE CARBON EMISSION CALCULATION

When examining the emissions generated by the raw materials used in the Weaving Factory in 2020, 2021, and 2022, an increase of 11.76% is observed.

In terms of emissions resulting from waste in the Weaving Factory, there has been a 49.93% increase in emissions in 2020, 2021, and 2022.



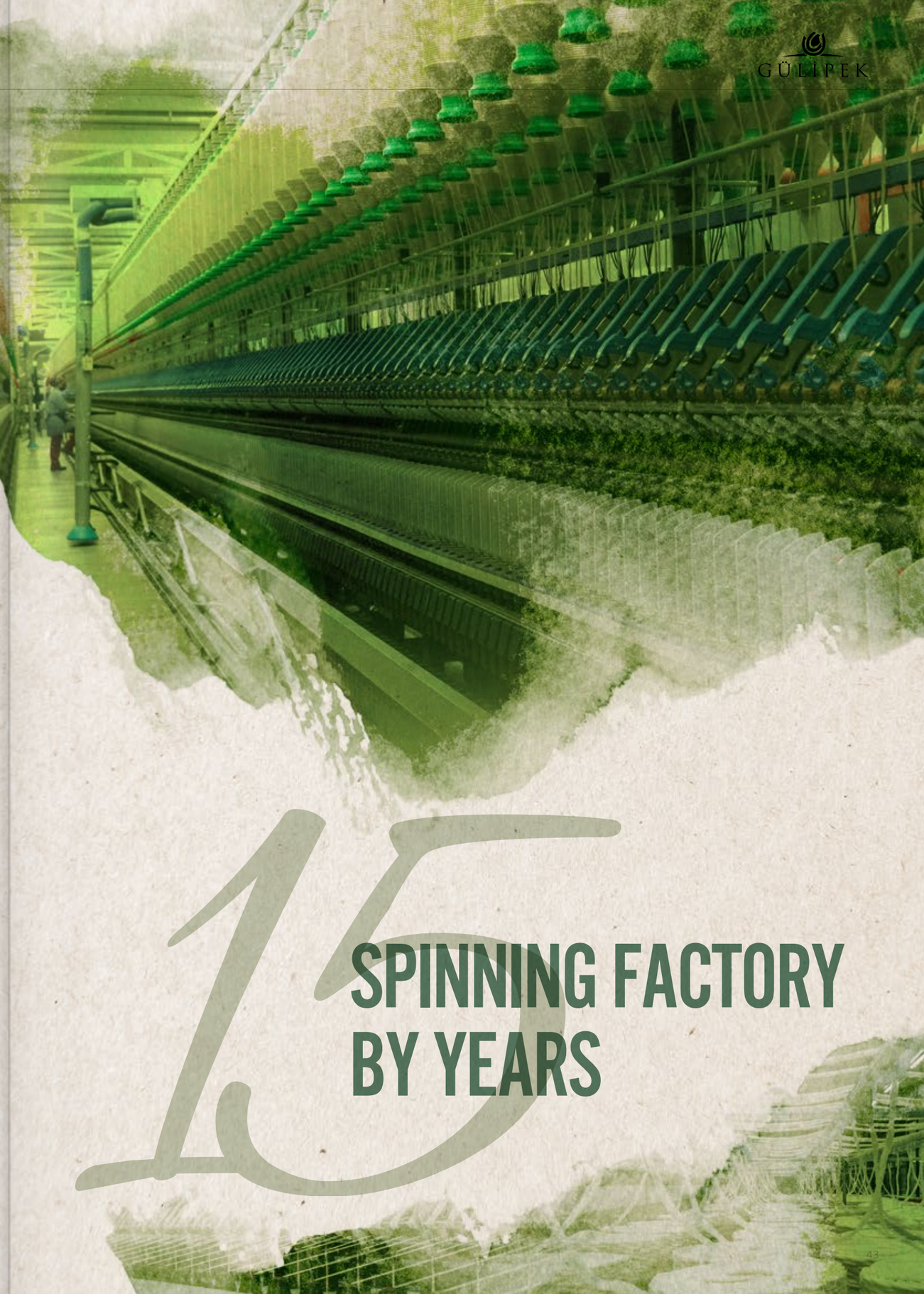
	Purchased Raw Material	Waste Disposal
2020	16.767,014	1,612
2021	18.572,852	1,442
2022	20.756,818	2,162

Graph 39. Weaving Factory Raw Material and Waste Inventory Chart

14.5. OTHER

	Electricity Loss/Leakage	Generator	Refrigerator	Air Condition	Fire Protection
2020	68,147	0,000	0,378	0,017	0,387
2021	74,460	0,000	2,902	0,000	0,006
2022	85,241	0,026	0,021	0,007	0,002

Grafik 40. Dokuma Fabrikası Diğer Envanteri Grafiği



15 SPINNING FACTORY BY YEARS

15.1. SCOPES

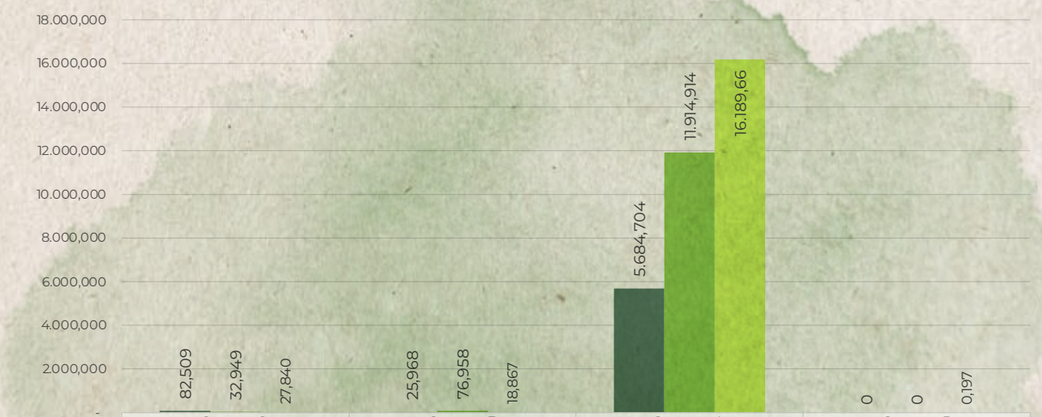
The emissions of the Spinning Factory for the years 2020, 2021, and 2022 have been examined according to the scopes, and the following observations have been made;

Scope 1
Decreased by
%15,51

Scope 3
Decreased by
%75,48

Scope 4
Increased by
%35,88

The decrease in Scope 1 emissions is attributed to a reduction in emissions resulting from natural gas consumption. Scope 5 emissions have been included in the calculations starting from the year 2022.



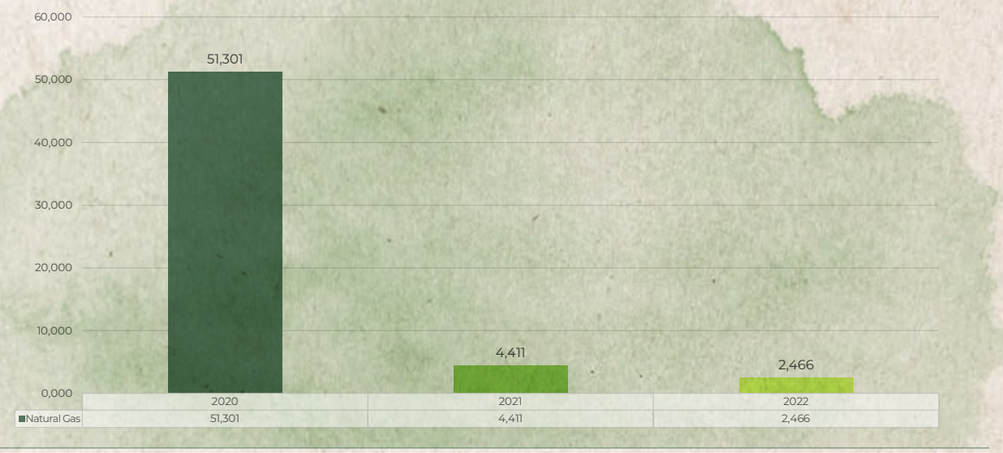
	Category 1	Category 3	Category 4	Category 5
2020	82,509	25,968	5.684,704	0
2021	32,949	76,958	11.914,914	0
2022	27,840	18,867	16.189,66	0,197

Graph 41. Spinning Factory Scope Inventory Graphic

The increase in Scope 4 results from the increase in the amount of emissions from the raw materials received.

15.2. NATURAL GAS

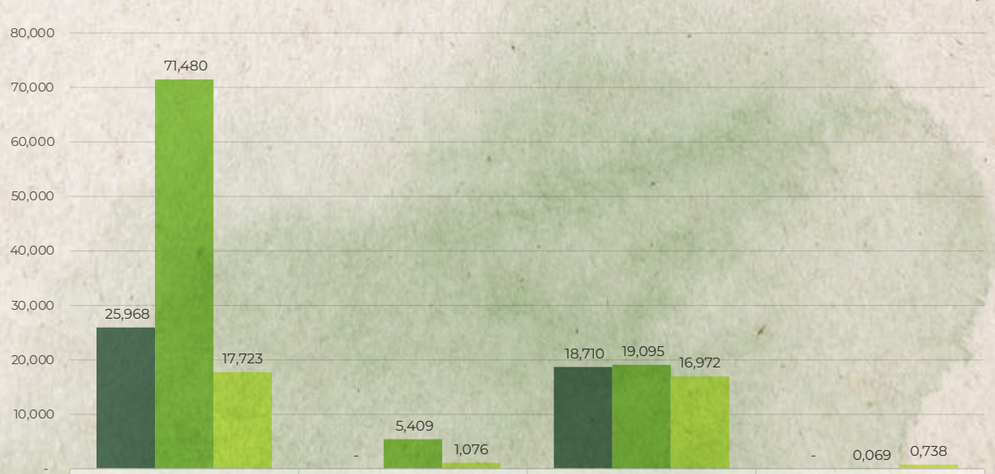
There has been a decrease of 44.09% in natural gas consumption. This decrease has affected the emissions resulting from natural gas consumption in the years 2020, 2021, and 2022.



Graph 42. Spinning Factory Natural Gas Inventory Graphi

15.3. TRANSPORTATION

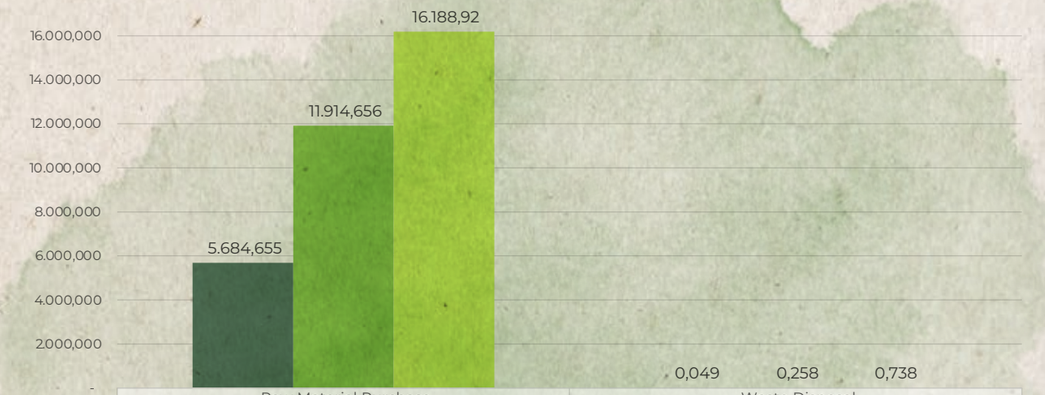
Depending on the products whose transportation costs are covered by Gülipek Tekstil, emission releases during product transportation decreased by 75.21%.



Graph 43. Spinning Factory Transportation Inventory Graph

15.4. RAW MATERIAL AND WASTE CARBON EMISSION CALCULATION

Emission releases from raw material procurement and waste disposal have increased in the Spinning factory.



	Raw Material Purchase	Waste Disposal
2020	5.684,655	0,049
2021	11.914,656	0,258
2022	16.188,92	0,738

Graph 44. Spinning Factory Raw Material and Waste Inventory Graph

15.5. OTHER

	Refrigerator	Generator	Fire Extinguisher	Air Condition	Product Packaging Wastes
2020	0,342	5,569	6,552	0,035	-
2021	6,774	2,635	0,029	0,008	-
2022	0,062	6,347	1,766	0,227	0,197

Graph 45. Spinning Factory Other Inventory Chart

10

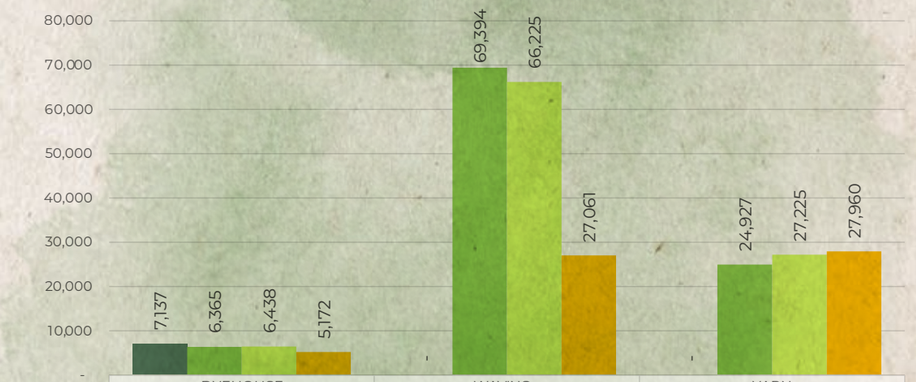
SPECIFIC CARBON FOOTPRINT

In the reporting year;

The dyeing factory has a specific carbon footprint of **5,172** tons CO_2e per kilogram of production.

The weaving factory has a specific carbon footprint of **27,061** ton CO_2e per kilogram of production.

The Spinning factory has a specific carbon footprint of **27,960** ton CO_2e per kilogram of production.



	DYEHOUSE	WAVING	YARN
2019 tons of CO2e/kg production	7,137	-	-
2020 tons of CO2e/kg production	6,365	69,394	24,927
2021 tons of CO2e/kg production	6,438	66,225	27,225
2022 tons of CO2e/kg production	5,172	27,061	27,960

Graph 46. Specific Carbon Footprint Chart by Years

17 CARBON MANAGEMENT AND STRATEGY DEVELOPMENT

Gülipek Tekstil invests in clean technologies and practices to gradually reduce its carbon footprint. For every step taken towards a sustainable future, the company sets targets for reduced energy consumption, a healthier and cleaner environment, and a more livable world for future generations. Compliance with these targets is monitored every six months. The monitoring of targets has been detailed in the Review meeting minutes.

The carbon calculation reveals that the current situation should be preserved, and Gülipek Tekstil should be encouraged to strengthen its efforts in reducing energy consumption and associated carbon emissions. Relevant personnel should be given the opportunity to explore alternative options that may require higher investment but can yield short-term returns. A dedicated team for energy recovery keeps the management informed about new technologies and developments that can be adapted to the factory. An energy commission meets monthly to monitor energy savings and consumption.

The company policies should be maintained, and any new machinery and equipment should be selected in an environmentally friendly manner, causing less greenhouse gas emissions.

Gülipek Tekstil aims to reduce greenhouse gas emissions and protect the environment by continuously organizing informative training sessions for its employees.

17.1. OUR MANAGEMENT STRATEGY

Our Policy	Environmental Policy
Departments and Managers	Senior Management
	Environment and Sustainability Department
	Occupational Safety Department
Management System	ISO 14001
Measuring and Monitoring	ISO 14001 In And Out Inspections
Mechanisms	Customer Inspections

Table 2 . Management Strategy

Scan the QR code to see Gülipek Environment Policies:

18

MEASURES TAKEN TO REDUCE GREENHOUSE GAS EMISSIONS

COMPANY EQUIPMENTS

- Training has been conducted to promote the selection of shorter routes and encourage employees to travel together whenever possible.
- Fuel-efficient engine oil (if available) has been used instead of conventional fuel oil.
- Training has been organized for drivers regarding efficient car usage and regular tire pressure checks.

NATURAL GAS

- The cooling water returns of the dyeing factory have been connected to the hot water tank, increasing the efficiency of the heat recovery system.
- The insulation of hot water and steam pipelines has been completed.
- The jet machines used in the dyeing process have been replaced with air jet machines.

ELECTRICITY

- Renewable energy is used in the dyeing and Spinning factories.
- The dyeing factory plans to have an Energy Consultant within its organization in 2023.
- An energy commission has been established to work on reducing energy consumption in the dyeing factory.
- The lighting in common areas has been replaced with LED and sensor-based lighting systems..

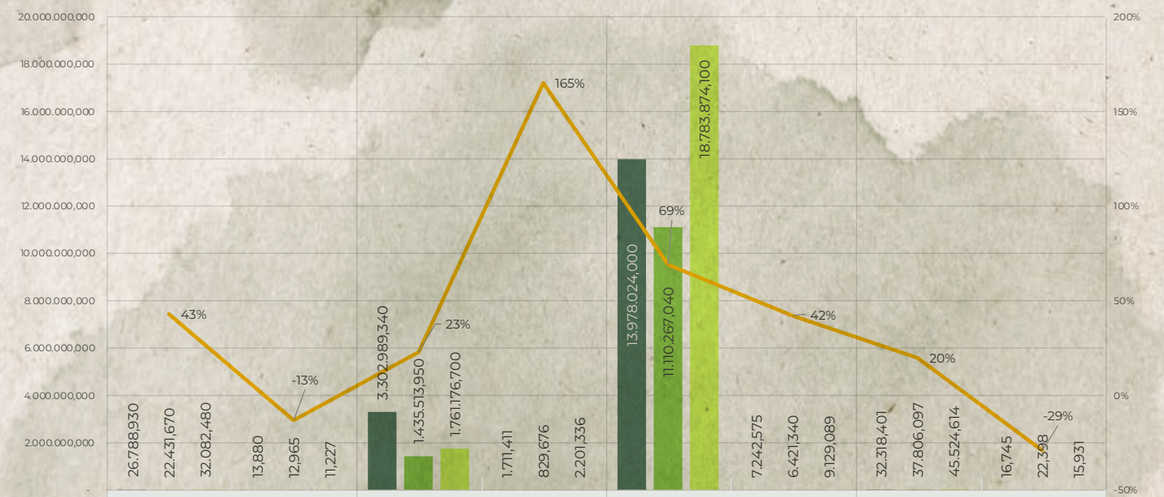
10 TARGETS

The targets for the year 2023 are as follows;

- 1% reduction in gasoline and diesel consumption
- 2% reduction in electricity consumption
- 3% reduction in natural gas consumption
- 6% reduction in carbon footprint emissions.

When the targets for 2021 - 2022 are analyzed;

- There is an increase in fuel, electricity and natural gas consumption. Relevant teams are working and designing projects to reduce consumption.
- 130% reduction in electricity consumption with the transition to renewable energy.



	Fuel Consumption		Electricity Consumption		Natural Gas Consumption		Carbon Footprint Consumption	
	Absolute Value	Concentrated Value	Absolute Value	Concentrated Value	Absolute Value	Concentrated Value	Absolute Value	Concentrated Value
2020	26.788,930	13,880	3.302.989,340	1.711,411	13.978.024,00	7.242,575	32.318,401	16,745
2021	22.431,670	12,965	1.435.513,950	829,676	11.110.267,04	6.421,340	37.806,097	22,398
2022	32.082,480	11,227	1.761.176,700	2.201,336	18.783.874,10	9.129,089	45.524,614	15,931
oran	43%	-13%	23%	165%	69%	42%	20%	-29%

Graph 47. 2020, 2021 and 2022 Targets Chart

20 MEASURES TO REDUCE GREENHOUSE GAS EMISSIONS

- In 2022, the ISO 50001 Energy Management System Certificate was obtained, initiating the necessary systems and processes to improve energy performance and efficiency.
- At the end of 2021, based on the energy study report conducted at the Dyeing Factory, an automatic salt dosage monitoring system was installed, and the lighting system was replaced with LED bulbs. Efforts are being made to identify and address compressed air leaks.
- In the reporting year, a SCADA system was implemented at the Dyeing Factory to monitor energy and water consumption in all machines.
- The hot water line obtained from the filter of one of the RAM machines is connected to the heat recovery system.
- The Spinning and Weaving factories have transitioned to inverters, resulting in 40% energy savings.
- By reducing the cycle rates of air conditioners in the Spinning factory, 28.5% of energy savings have been achieved.
- A project aimed at water conservation during the dyeing process was proposed and implemented at the Dyeing Factory based on the monthly suggestions from our employees. This has resulted in energy savings.
- In the reporting year, Jet machines used in the dyeing process were replaced with Air Jet machines.
- The transition to renewable energy is planned for the Weaving and Dyeing factories.
- Environmentally friendly and low greenhouse gas emission transportation methods are preferred for raw material and product transfers.
- All employees of the company receive training on greenhouse gas emissions and reduction methods.

21 CARBON OFFSETTING

21.1. YEARS 2019, 2020, 2021, and 2022

Carbon Offsetting, also known as Carbon Balancing, aims to neutralize carbon emissions resulting from production activities or individual activities.

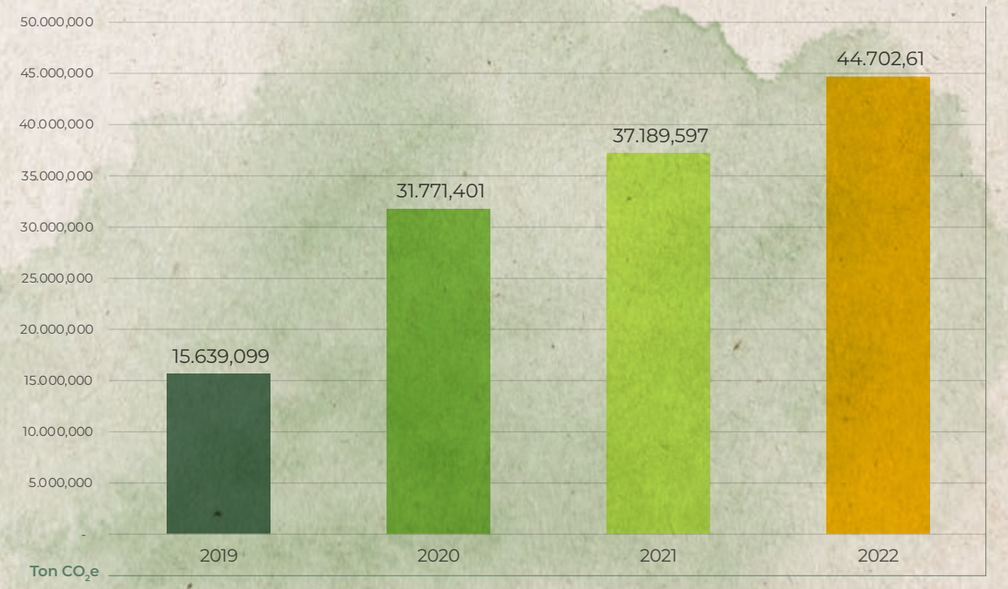
In 2019, 1,200 saplings were donated to offset carbon emissions. With this sapling donation, 410 tons of CO_2 carbon emissions were offset.

In 2020, 1,330 saplings were donated to offset carbon emissions. With this sapling donation, 547 tons of CO_2 carbon emissions were offset.

In 2021, 1,500 saplings were donated to offset carbon emissions. With this sapling donation, 616.5 tons of CO_2 carbon emissions were offset.

21.2. 2022 YEAR

In the reporting year, it is planned to offset a total of 822 tons of CO_2e emissions by donating 2,000 saplings.



Graph 48. Carbon Footprint Amount After Offsetting in 2019, 2020, 2021 and 2022

ANNEXES

YEK-G

İfa Detayları / Cancellation Details

İşlem Türü / Transaction Type:	İfa
İfa Tarihi / Cancellation Date	22/03/2022 10:41:34
İfa Numarası / Cancellation No	9249768720
İfa Durumu / Cancellation Status	Tamamlandı / Completed

Organizasyon Adı / Organization Name	K2 LİMAK ULUDAĞ ELEKTRİK PERAKENDE SATIŞ A.Ş.	Yararlanıcı Taraf Adı / Beneficiary Name	Gülipek Kumaş ve İplik Tic. San. A.Ş.
Organizasyon Hesap Numarası / Organization Account No	6464	Yararlanıcı Taraf Türü / Beneficiary Type	Son Tüketici / End Consumer
Organizasyon Adresi / Organization Address	Çırpan Mah. Uysal Sk no:40/1	Vergi Numarası - TC Kimlik Numarası / Tax ID - Identity No	4200010051
Ülke / Country	TURKEY	Adres / Address	Kale Mahallesi Kılıçlar Caddesi No:11/1 Kestel/BURSA
		İfa Amacı / Cancellation Purpose	İfşa / Disclosure
		Tüketim Dönemi / Consumption Period	Ocak 2022 - Ocak 2022 / January 2022 - January 2022

İhraç Edilen YEK-G Belgelerinin Detayları / Details of Issued YEK-G Certificate

Toplam Miktar(MWh) / Total Amount(MWh): 196   Toplam YEK-G Belge Miktarı / Total Amount of YEK-G Certificates: 196

Belge Numarası / Document No	Miktar / Amount	Kaynak Tipi / Resource Type	Üretim Tesisi / Production Facility	Üretim Dönemi / Production Period	İhraç Dönemi / Issue Period	İhraç Tarihi / Issue Date	Sistem / System
210302838601-210302838796	196	Hidroelektrik / Hydropower	ATATÜRK HES	Mart 2021 / March 2021	Haziran 2021 / June 2021	21.06.2021 10:00:23	YEK-G

Organizasyon ve Üretim Tesisi Detayları / Organization and Details of Production Facility

Organizasyon Adı / Organization Name	Organizasyonun Entso-e Kodu / Entso-e Code of Organization	Üretim Tesisi Lisans Numarası / Licence Number of Production Facility	Üretim Tesisi Adı / Production Facility Name	Üretim Tesisi Konumu / Production Facility Location	İşletmedeki Güç(MWh) / Installed Power of Production Facility(MWh)	Kaynak Tipi / Resource Type	Üretim Tesisi Teknoloji Tipi / Production Facility Technology Type	Üretim Tesisi Yardımcı Kaynak Tipi / Production Facility Subsidiary Resource Type	İşletmeye Alınma Tarihi / Commissioning Date	Destekleme Mekanizması / Supporting Mechanism
ELEKTRİK ÜRETİM A.Ş.	40X000000000195P	EÜ/126-11/53	ATATÜRK HES	ADIYAMAN - Bozova	2,405	Hidroelektrik / Hydropower	Rezervuarlı / Reservoir	-	01.12.2019	-

İş bu itfa belgesi, içerdiği YEK-G belgelerinin Piyasa İşletmecisi olan EPİAŞ tarafından itfa edildiğini tasdik etmektedir. İfa belgesinde yer alan YEK- G belgeleriyle ilişkilendirilen yenilenebilir elektriğin çevresel nitelikleri yararlanıcı tarafından ilgili tüketim döneminde tüketilmiştir. İfa belgesinde yer alan YEK-G belgeleri devredilemez ve söz konusu YEK-G belgelerinin başka bir tedarikçiye ve/veya son tüketiciye itfası mümkün değildir. Bu itfa belgesinin kopyalanması, değiştirilmesi ve ileriye dönük satışı yasaktır.

This cancellation statement document confirms that YEK-G documents subjected to the cancellation statement have been cancelled by EXIST, the Market Operator. The environmental qualities of the associated renewable energy included in the cancellation statement document have been consumed by the beneficiary party in the relevant consumption period. YEK-G documents included in the cancellation statement are not transferable and the cancellation of the relevant YEK-G documents to another supplier and/or end consumer is prohibited. Any later sale or cancellation or this cancellation statement is forbidden. It is forbidden to copy or amend this cancellation statement as well.

EPİAŞ

Dyehouse Factory January 2022 YEK-G Certificate

YEK-G

İfa Detayları / Cancellation Details

İşlem Türü / Transaction Type:	İfa
İfa Tarihi / Cancellation Date	22/03/2022 10:57:36
İfa Numarası / Cancellation No	3024744451
İfa Durumu / Cancellation Status	Tamamlandı / Completed

Organizasyon Adı / Organization Name	K2 LİMAK ULUDAĞ ELEKTRİK PERAKENDE SATIŞ A.Ş.	Yararlanıcı Taraf Adı / Beneficiary Name	Gülipek Kumaş ve İplik Tic. San. A.Ş.
Organizasyon Hesap Numarası / Organization Account No	6464	Yararlanıcı Taraf Türü / Beneficiary Type	Son Tüketici / End Consumer
Organizasyon Adresi / Organization Address	Çırpan Mah. Uysal Sk no:40/1	Vergi Numarası - TC Kimlik Numarası / Tax ID - Identity No	4200010051
Ülke / Country	TURKEY	Adres / Address	Kale Mahallesi Kılıçlar Caddesi No:11/1 Kestel/BURSA
		İfa Amacı / Cancellation Purpose	İfşa / Disclosure
		Tüketim Dönemi / Consumption Period	Şubat 2022 - Şubat 2022 / February 2022 - February 2022

İhraç Edilen YEK-G Belgelerinin Detayları / Details of Issued YEK-G Certificate

Toplam Miktar(MWh) / Total Amount(MWh): 191   Toplam YEK-G Belge Miktarı / Total Amount of YEK-G Certificates: 191

Belge Numarası / Document No	Miktar / Amount	Kaynak Tipi / Resource Type	Üretim Tesisi / Production Facility	Üretim Dönemi / Production Period	İhraç Dönemi / Issue Period	İhraç Tarihi / Issue Date	Sistem / System
210302843939-210302844129	191	Hidroelektrik / Hydropower	GÖZEDE II HES	Mart 2021 / March 2021	Haziran 2021 / June 2021	21.06.2021 10:00:58	YEK-G

Organizasyon ve Üretim Tesisi Detayları / Organization and Details of Production Facility

Organizasyon Adı / Organization Name	Organizasyonun Entso-e Kodu / Entso-e Code of Organization	Üretim Tesisi Lisans Numarası / Licence Number of Production Facility	Üretim Tesisi Adı / Production Facility Name	Üretim Tesisi Konumu / Production Facility Location	İşletmedeki Güç(MWh) / Installed Power of Production Facility(MWh)	Kaynak Tipi / Resource Type	Üretim Tesisi Teknoloji Tipi / Production Facility Technology Type	Üretim Tesisi Yardımcı Kaynak Tipi / Production Facility Subsidiary Resource Type	İşletmeye Alınma Tarihi / Commissioning Date	Destekleme Mekanizması / Supporting Mechanism
TEMSA ELEKTRİK ÜRETİM A.Ş.	40X000000000482M	EÜ/3338-3/2024	GÖZEDE II HES	BURSA - Kestel	4	Hidroelektrik / Hydropower	Kanal Tipi / Channel Type	-	01.12.2019	YEKDEM

İş bu itfa belgesi, içerdiği YEK-G belgelerinin Piyasa İşletmecisi olan EPİAŞ tarafından itfa edildiğini tasdik etmektedir. İfa belgesinde yer alan YEK- G belgeleriyle ilişkilendirilen yenilenebilir elektriğin çevresel nitelikleri yararlanıcı tarafından ilgili tüketim döneminde tüketilmiştir. İfa belgesinde yer alan YEK-G belgeleri devredilemez ve söz konusu YEK-G belgelerinin başka bir tedarikçiye ve/veya son tüketiciye itfası mümkün değildir. Bu itfa belgesinin kopyalanması, değiştirilmesi ve ileriye dönük satışı yasaktır.

This cancellation statement document confirms that YEK-G documents subjected to the cancellation statement have been cancelled by EXIST, the Market Operator. The environmental qualities of the associated renewable energy included in the cancellation statement document have been consumed by the beneficiary party in the relevant consumption period. YEK-G documents included in the cancellation statement are not transferable and the cancellation of the relevant YEK-G documents to another supplier and/or end consumer is prohibited. Any later sale or cancellation or this cancellation statement is forbidden. It is forbidden to copy or amend this cancellation statement as well.

EPİAŞ

Dyehouse Factory Febuary 2022 YEK-G Certificate

YEK-G

İfa Detayları / Cancellation Details

İşlem Türü / Transaction Type:	İfa
İfa Tarihi / Cancellation Date	19/04/2022 11:31:25
İfa Numarası / Cancellation No	2406207025
İfa Durumu / Cancellation Status	Tamamlandı / Completed

Organizasyon Adı / Organization Name	K2 LİMAK ULUDAĞ ELEKTRİK PERAKENDE SATIŞ A.Ş.	Yararlanıcı Taraf Adı / Beneficiary Name	Gülipek Kumaş ve İplik Tic. San. A.Ş.
Organizasyon Hesap Numarası / Organization Account No	6464	Yararlanıcı Taraf Türü / Beneficiary Type	Son Tüketici / End Consumer
Organizasyon Adresi / Organization Address	Çırpan Mah. Uysal Sk no:40/1	Vergi Numarası - TC Kimlik Numarası / Tax ID - Identity No	4200010051
Ülke / Country	TURKEY	Adres / Address	Kale Mahallesi Kılıçlar Caddesi No:11/1 Kestel/BURSA
		İfa Amacı / Cancellation Purpose	İfşa / Disclosure
		Tüketim Dönemi / Consumption Period	Mart 2022 - Mart 2022 / March 2022 - March 2022

İhraç Edilen YEK-G Belgelerinin Detayları / Details of Issued YEK-G Certificate

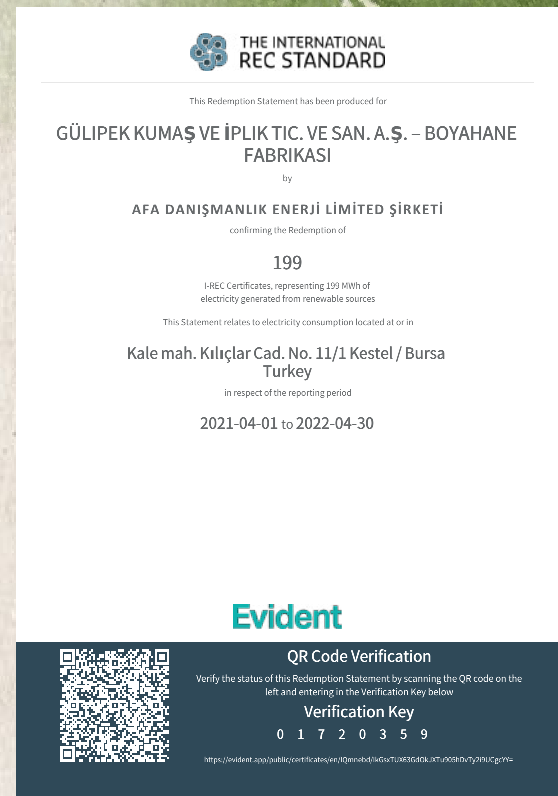
Toplam Miktar(MWh) / Total Amount(MWh): 230   Toplam YEK-G Belge Miktarı / Total Amount of YEK-G Certificates: 230

Belge Numarası / Document No	Miktar / Amount	Kaynak Tipi / Resource Type	Üretim Tesisi / Production Facility	Üretim Dönemi / Production Period	İhraç Dönemi / Issue Period	İhraç Tarihi / Issue Date	Sistem / System
210403066027-210403066126	100	Rüzgar / Wind	MERSİNLİ RES	Nisan 2021 / April 2021	Temmuz 2021 / July 2021	29.07.2021 11:20:11	YEK-G
210500023761-210500023769	9	Hidroelektrik / Hydropower	BURÇ BENDİ ve HES	Mayıs 2021 / May 2021	Haziran 2021 / June 2021	18.06.2021 12:34:34	YEK-G
210500018754-210500018754	1	Hidroelektrik / Hydropower	Feke I	Mayıs 2021 / May 2021	Haziran 2021 / June 2021	18.06.2021 12:34:26	YEK-G
210600101275-210600101374	100	Hidroelektrik / Hydropower	ATATÜRK HES	Haziran 2021 / June 2021	Temmuz 2021 / July 2021	28.07.2021 14:05:02	YEK-G
210600052031-210600052050	20	Rüzgar / Wind	BOZCAADA RES	Haziran 2021 / June 2021	Temmuz 2021 / July 2021	28.07.2021 14:03:59	YEK-G

Organizasyon ve Üretim Tesisi Detayları / Organization and Details of Production Facility

Organizasyon Adı / Organization Name	Organizasyonun Entso-e Kodu / Entso-e Code of Organization	Üretim Tesisi Lisans Numarası / Licence Number of Production Facility	Üretim Tesisi Adı / Production Facility Name	Üretim Tesisi Konumu / Production Facility Location	İşletmedeki Güç(MWh) / Installed Power of Production Facility(MWh)	Kaynak Tipi / Resource Type	Üretim Tesisi Teknoloji Tipi / Production Facility Technology Type	Üretim Tesisi Yardımcı Kaynak Tipi / Production Facility Subsidiary Resource Type	İşletmeye Alınma Tarihi / Commissioning Date	Destekleme Mekanizması / Supporting Mechanism
YANDER ELEKTRİK MÜHENDİSLİK MÜŞAVİRLİK İNŞAAT TURİZM VE TİC. A.Ş.	40X000000014760V	EÜ/3905-9/2378	MERSİNLİ RES	İZMİR - BAYINDIR	55	Rüzgar / Wind	Rüzgar / Wind	-	01.10.2020	YEKDEM
AKENERJİ ELEKTRİK ÜRETİM A.Ş.	40X000000000166W	EÜ/445-1/518	BURÇ BENDİ ve HES	ŞANLIURFA - Adıyaman Merkez	27.33	Hidroelektrik / Hydropower	Kanal Tipi / Channel Type	-	01.12.2019	YEKDEM
AKENERJİ ELEKTRİK ÜRETİM A.Ş.	40X000000000166W	EÜ/1197-1/858	Feke I	ADANA - Feke	29.4	Hidroelektrik / Hydropower	Kanal Tipi / Channel Type	-	01.12.2019	YEKDEM
ELEKTRİK ÜRETİM A.Ş.	40X000000000195P	EÜ/126-11/53	ATATÜRK HES	ADIYAMAN - Bozova	2,405	Hidroelektrik / Hydropower	Rezervuarlı / Reservoir	-	01.12.2019	-
ELEKTRİK ÜRETİM A.Ş.	40X000000000195P	EÜ/9455-2/04560	BOZCAADA RES	ÇANAKKALE - BOZCAADA	10.2	Rüzgar / Wind	Rüzgar / Wind	-	01.12.2019	-

Dyehouse Factory March 2022 YEK-G Certificate



THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

199

I-REC Certificates, representing 199 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2021-04-01 to 2022-04-30

Evident

QR Code Verification

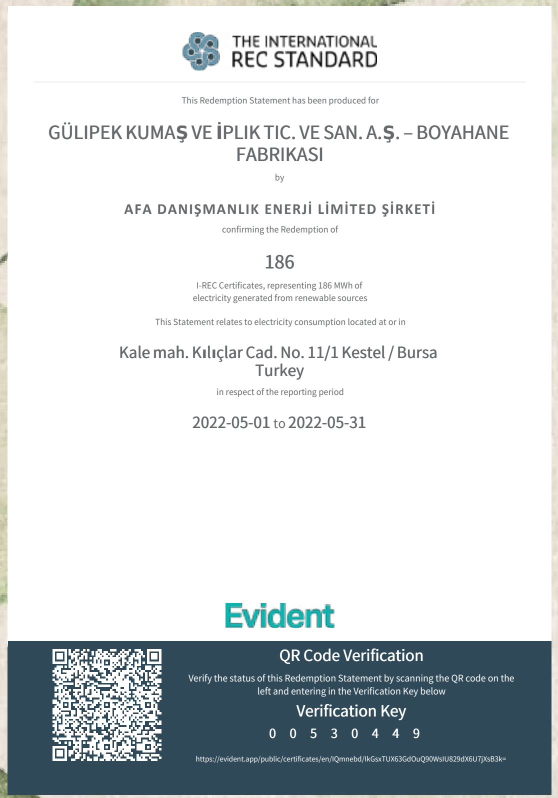
Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

0 1 7 2 0 3 5 9

https://evident.app/public/certificates/en/IQmnebd/IkGsxTUX63GdOkJXTu905hDvTy2i9UCgcYY=

Dyehouse Factory April 2022 I-REC Certificate


THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

186

I-REC Certificates, representing 186 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2022-05-01 to 2022-05-31

Evident

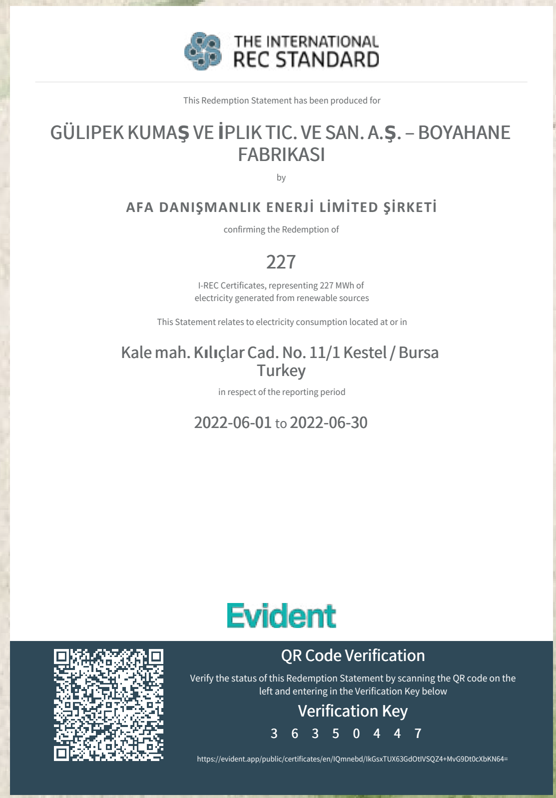
QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

0 0 5 3 0 4 4 9

Dyehouse Factory May 2022 I-REC Certificate


THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

227

I-REC Certificates, representing 227 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2022-06-01 to 2022-06-30

Evident

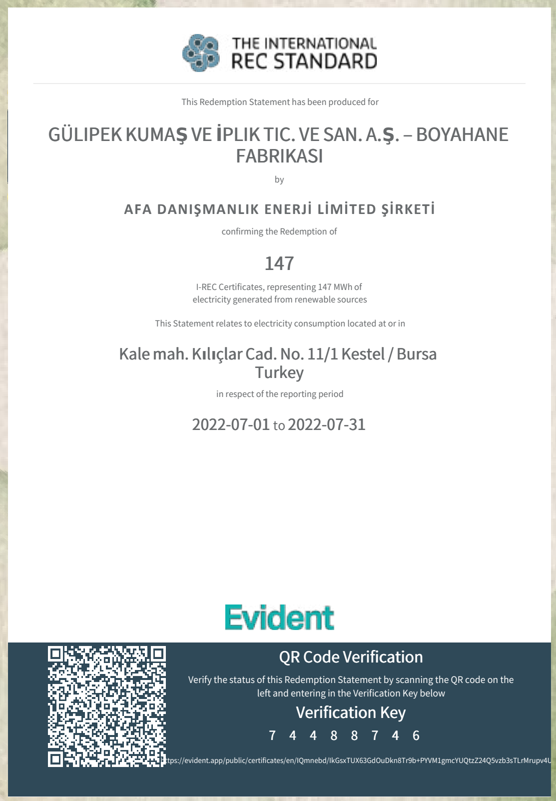
QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

3 6 3 5 0 4 4 7

Dyehouse Factory Jun 2022 I-REC Certificate


THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

147

I-REC Certificates, representing 147 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2022-07-01 to 2022-07-31

Evident

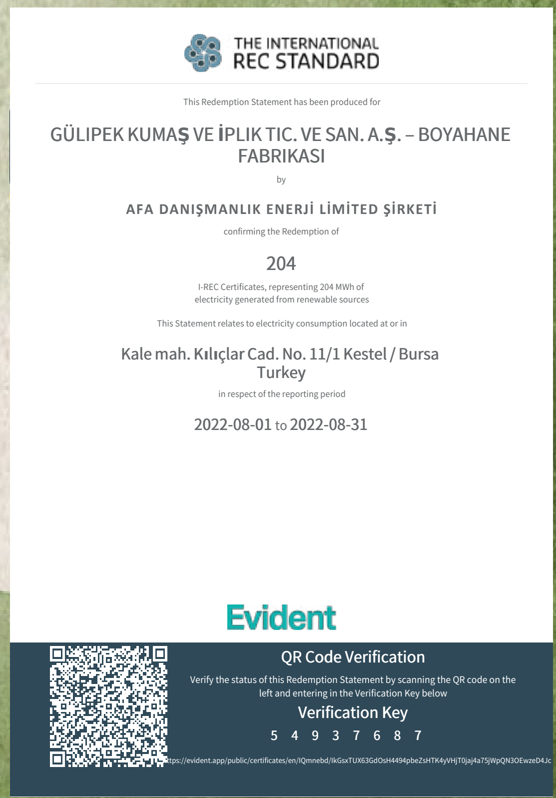
QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

7 4 4 8 8 7 4 6

Dyehouse Factory July 2022 I-REC Certificate


THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

204

I-REC Certificates, representing 204 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2022-08-01 to 2022-08-31

Evident

QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

5 4 9 3 7 6 8 7

Dyehouse Factory August 2022 I-REC Certificate


THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

221.000000

I-REC Certificates, representing 221.000000 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2022-09-01 to 2022-09-30

Evident

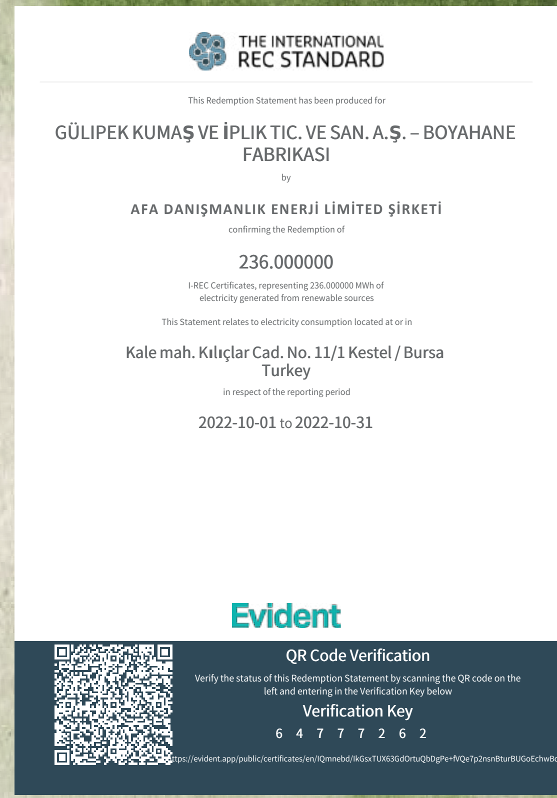
QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

5 9 2 3 3 2 8 9

Dyehouse Factory September 2022 I-REC Certificate


THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

236.000000

I-REC Certificates, representing 236.000000 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2022-10-01 to 2022-10-31

Evident

QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

6 4 7 7 7 2 6 2

Dyehouse Factory October 2022 I-REC Certificate


THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

255.000000

I-REC Certificates, representing 255.000000 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2022-11-01 to 2022-11-30

Evident

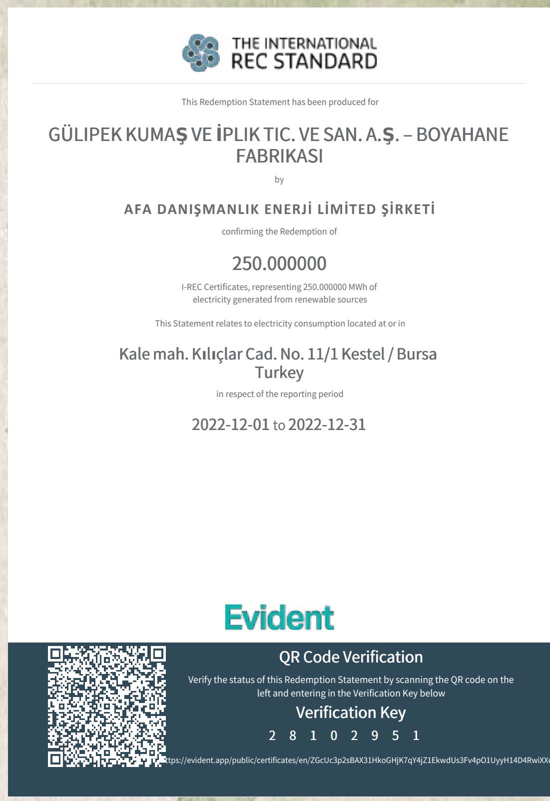
QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

9 5 3 1 3 0 7 9

Dyehouse Factory November 2022 I-REC Certificate


THE INTERNATIONAL REC STANDARD

This Redemption Statement has been produced for

GÜLIPEK KUMAŞ VE İPLIK TIC. VE SAN. A.Ş. – BOYAHANE FABRIKASI

by

AFA DANIŞMANLIK ENERJİ LİMİTED ŞİRKETİ

confirming the Redemption of

250.000000

I-REC Certificates, representing 250.000000 MWh of electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

Kale mah. Kılıçlar Cad. No. 11/1 Kestel / Bursa Turkey

in respect of the reporting period

2022-12-01 to 2022-12-31

Evident

QR Code Verification

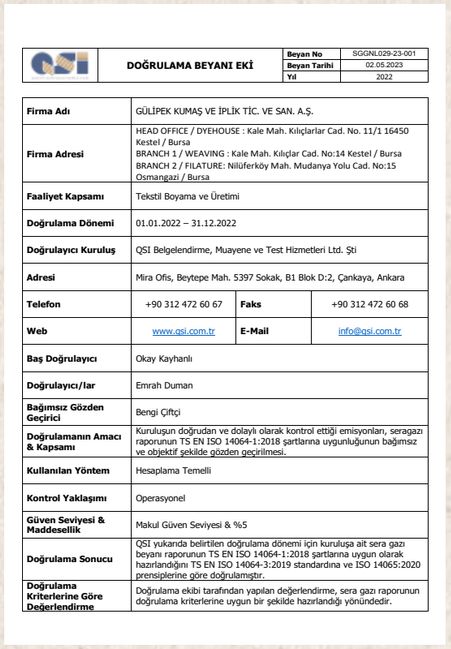
Verify the status of this Redemption Statement by scanning the QR code on the left and entering in the Verification Key below

Verification Key

2 8 1 0 2 9 5 1

Dyehouse Factory December 2022 I-REC Certificate

Spinning Factory 2021 I-REC Certificate



DOĞRULAMA BEYANI EKİ	Beyan No	SGGNL029-23-001
	Beyan Tarihi	02.05.2023
	Yıl	2022

Firma Adı	GÜLİPEK KUMAŞ VE İPLİK TİC. VE SAN. A.Ş.		
Firma Adresi	HEAD OFFICE / DYEHOUSE : Kale Mah. Kılıçlar Cad. No. 11/1 16450 Kestel / Bursa BRANCH 1 / WEAVING : Kale Mah. Kılıçlar Cad. No:14 Kestel / Bursa BRANCH 2 / FILATURE: Nilüferköy Mah. Mudanya Yolu Cad. No:15 Osmangazi / Bursa		
Faaliyet Kapsamı	Tekstil Boyama ve Üretimi		
Doğrulama Dönemi	01.01.2022 – 31.12.2022		
Doğrulayıcı Kuruluş	QSI Belgelendirme, Muayene ve Test Hizmetleri Ltd. Şti		
Adresi	Mira Ofis, Beytepe Mah. 5397 Sokak, B1 Blok D:2, Çankaya, Ankara		
Telefon	+90 312 472 60 67	**Faks**	+90 312 472 60 68
Web	www.qsi.com.tr	**E-Mail**	info@qsi.com.tr
Baş Doğrulayıcı	Okay Kayhanlı		
Doğrulayıcı/lar	Emrah Duman		
Bağımsız Gözden Geçirici	Bengi Çiftçi		
Doğrulamanın Amacı & Kapsamı	Kuruluşun doğrudan ve dolaylı olarak kontrol ettiği emisyonları, seragazı raporunun TS EN ISO 14064-1:2018 şartlarına uygunluğunun bağımsız ve objektif şekilde gözden geçirilmesi.		
Kullanılan Yöntem	Hesaplama Temelli		
Kontrol Yaklaşımı	Operasyonel		
Güven Seviyesi & Maddesellik	Makul Güven Seviyesi & %5		
Doğrulama Sonucu	QSI yukarıda belirtilen doğrulama dönemi için kuruluşa ait sera gazı beyanı raporunun TS EN ISO 14064-1:2018 şartlarına uygun olarak hazırlandığını TS EN ISO 14064-3:2019 standardına ve ISO 14065:2020 prensiplerine göre doğrulamıştır.		
Doğrulama Kriterlerine Göre Değerlendirme	Doğrulama ekibi tarafından yapılan değerlendirme, sera gazı raporunun doğrulama kriterlerine uygun bir şekilde hazırlandığı yönündedir.		

2022 Gülipek Tekstil Carbon Footprint Verification Statement Appendix

2021 Gülipek Tekstil Carbon Footprint Verification Statement

2022 Gülipek Tekstil Carbon Footprint Verification Statement

2019 Sapling Donation Document

2019 Sapling Donation Document

2020 Sapling Donation Document

2021 Sapling Donation Document

GÜLİPEK

Boyahane Fabrikası
Kale Mah. Kılıçlar Cad. No. 11/1
16450 Kestel / Bursa / Türkiye
T. +90 224 372 44 55
F. +90 224 372 77 02

Dokuma Fabrikası
Kale Mah. Kılıçlar Cad.
No:14 Kestel / Bursa / Türkiye
T. +90 224 372 44 55
F. +90 224 372 77 02

İplik Fabrikası
Nilüferköy Mah. Mudanya Yolu Cad.
No:15 Osmangazi / Bursa / Türkiye
T. +90 224 549 24 40
F. +90 224 549 24 46

gulipek@gulipek.com.tr

www.gulipek.com.tr