

LOGOPLASTE EMISSIONS REPORT 2025

*This report presents Logoplaste's environmental and greenhouse gas (GHG) emissions performance for the 2025 reporting year. **The disclosures included herein were prepared in alignment with the Global Reporting Initiative (GRI) Standards, in particular, with GRI 305: Emissions, and the underlying GHG emissions data was quantified following the principles and methodologies established by the Greenhouse Gas Protocol (GHG Protocol).** The organizational boundaries adopted for the preparation of this report are based on the operational control approach, whereby Logoplaste accounts for emissions and energy consumption from operations over which the Group has operational control and the authority to implement environmental and operational policies. This approach has been consistently applied across the Logoplaste Group for the reporting period presented.*

Our embedded manufacturing business model, aka wall to wall, allows us to reduce the use of resources, minimizing our impact on the environment as well as support local communities in which we operate.

Our Purpose

Shaping a better world with our Partners through mindful packaging solutions

Guides our efforts, every single day.

Logoplaste's approach to Environmental Management follows the Precautionary Principle, as defined in the United Nations Rio Declaration, 1992. We have a global **Quality, Environment, Health & Safety (QEHS) Policy**, overseen by our Corporate Environmental Health & Safety (EHS) Team, stating our guiding principles and commitments towards the environment.

Our main KPIs:

53% Renewable Energy (From our Total Electricity Consumption)

59% Reduction of Operational CO₂e Emissions from 2020 (GHG Emissions).

29% Incorporation of Recycled Content (Materials & Product Characteristics).

97% of Operational Waste sent for Recycling or Reuse

ENERGY

The production of plastic packaging is energy intensive; therefore, we continually track the energy consumption of our plants and offices.

In 2025, Logoplaste's overall energy consumption was 1 598 296 GJ, only **3%** more energy than in 2024. This is mainly due to the starting-up of some new sites.

Overview of Energy Consumption within Logoplaste

Renewable Electricity Consumption		
Year	Energy (GJ)	YoY (%)
2020	131 072	63,0%
2021	281 096	114,5%
2022	410 600	46,1%
2023	508 628	23,9%
2024	638 413	25,5%
2025	812 980	27,3%
2025 vs 2020 (%)		520,3%

Our total energy consumption in 2025

Electricity: 96%

Other sources: 4%

In 2025, electricity continues to be the most significant form of energy we use, with **88%** sourced from the electrical grid.

Overview of Electricity Consumption within Logoplaste

Electricity Consumption				
Year	Grid - brown electricity (GJ)	Grid - 100% green electricity (GJ)	CHP systems (GJ)	Photovoltaic panels (GJ)
2020	1 100 925 82,5%	127 148 9,6%	101 766 7,6%	3 923 0,3%
2021	918 875 70,5%	276 787 21,3%	102 762 7,9%	4 308 0,3%
2022	873 902 62,8%	403 999 29,0%	107 729 7,7%	6 601 0,5%
2023	832 692 57,3%	499 013 34,3%	112 099 7,7%	9 615 0,7%
2024	732 043 49,5%	624 760 42,2%	109 113 7,4%	13 652 0,9%
2025	615 206 40,2%	787 704 51,4%	104 020 6,8%	25 275 1,6%
2025 vs 2024 (%)	-16,0%	26,1%	-4,7%	85,1%
2025 vs 2020 (%)	-44,1%	519,5%	2,2%	544,3%

At Logoplaste, we are taking big steps to move to green energy across the board:

Overview of Renewable Electricity Consumption within Logoplaste

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2025 vs 2020 (%)		520,3%

**YoY - year on year improvement*

In 2025, we used **812 980 GJ** of renewable electricity, which represented **53%** of our electricity consumption, and 51% of our total energy consumption. This is a result of the commitment to increase green energy in Logoplaste portfolio.

This represents a 27% increase in green energy from 2024 and 520 % from base year 2020

Having a sustainable mindset and leading a sustainable business means making decisions that allow us to reach these impressive results. It's not always easy and can carry added financial costs, but for us, at Logoplaste, it is the only way to go.

Detailed energy consumption and the methodological process we use to analyze data can be consulted in the annex of this document.

Energy reduction activities

At Logoplaste, we are committed to continuously improving our energy efficiency and implementing best practices that support both environmental protection and cost reduction. To drive these efforts, dedicated members of our procurement team actively contribute to identifying and implementing impactful initiatives.

Over the past few years, Logoplaste has undertaken several energy-reduction projects, including:

- Optimization of machines and utilities
- Upgrades or replacements of HVAC systems and equipment
- Automation and integration of smart devices
- Enhanced lighting efficiency
- Regular energy audits
- Daily energy rationalization practices, such as turning off unused equipment

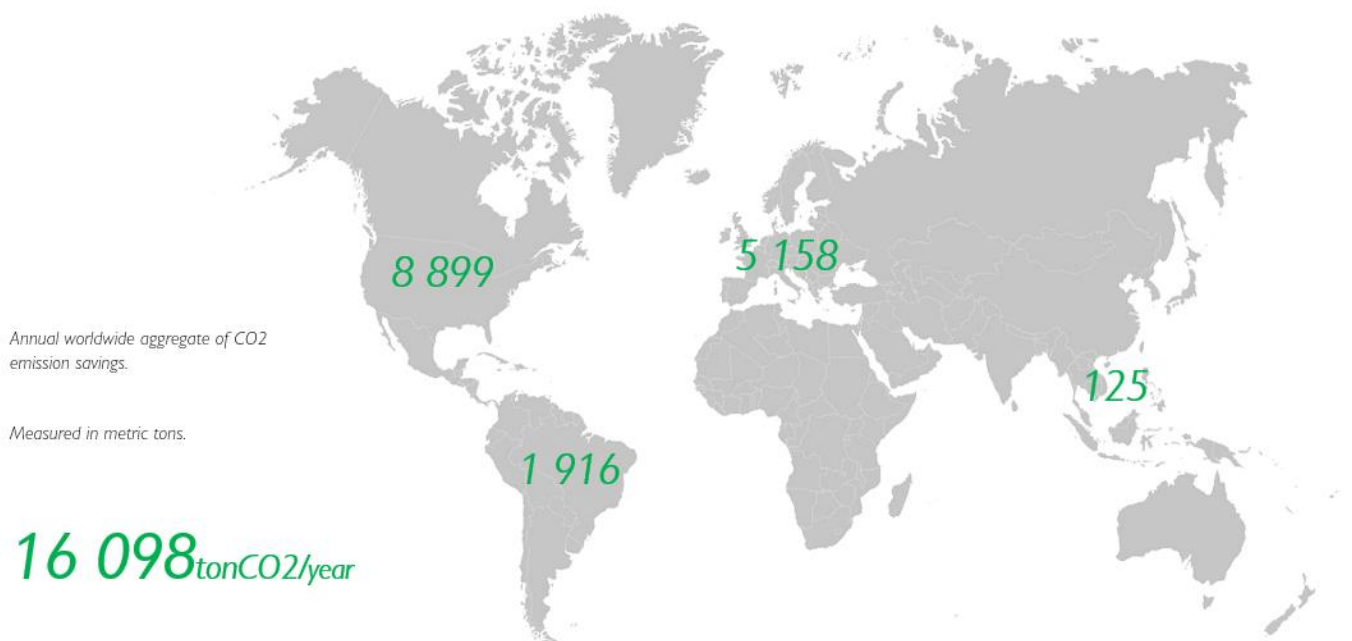
GREENHOUSE GAS EMISSIONS

Our business model reduces GHG by default

Our embedded manufacturing plants as well as nearby sites lower CO₂ emissions by eliminating, or reducing, the transport of empty bottles.

By operating 67% of our sites **within our customers' premises or near them**, in 2025 Logoplaste avoided the release of 16 098 tons of CO₂, a 1% increase compared to 2024 (**15 977** tons CO₂).

WORLDWIDE



SBTi Commitment: Setting a Clear Path to Net-Zero

In October 2024, Logoplaste officially committed to the **Science Based Targets initiative (SBTi)**, a globally recognized framework that drives ambitious climate action in the private sector. We are proud to share that our targets have been formally approved by the SBTi.

The **SBTi** helps companies align their greenhouse gas (GHG) emissions reduction strategies with the latest climate science, specifically the goals of the Paris Agreement to limit global warming to 1.5°C. Our approved targets reflect this commitment and include both near-term and long-term goals:

Our Science-Based Targets

Operational CO2e emissions

- By 2030 we will target a reduction of 45,3% of our Operational CO2e emissions (scope 1+2 emissions) when comparing to base year 2020
- By 2050 we will target a reduction of 90% of our Operational CO2e emissions (scope 1+2 emissions) when comparing to base year 2020

Scope 3 emissions

- By 2030 we will target a reduction of 51,6% reduction of Scope 3 emissions / production when comparing to base year 2022
- By 2050 we will target a reduction of 97% reduction of Scope 3 emissions / production when compared to base year 2022

We recognize that achieving net-zero emissions is a complex and evolving journey—one that requires persistence, innovation, and collaboration. While not all the solutions are available today, we are firmly committed to continuous progress and taking meaningful action now.

Some initiatives are already underway:

- Transition to 100% renewable energy across all plants where energy is sourced: This is a key focus area for reducing our Scope 2 emissions and ensuring that our operations are powered by clean, low-impact sources.
- Maximizing the use of recycled content in our products: This reduces demand for virgin materials and supports a more circular economy.

Our medium-term targets are:

30% recycled content by 2025 – narrowly missed, with 29% achieved

51% recycled content by 2030

We recognize that the journey to net-zero is not linear. While we may not yet have all the answers, we remain confident in our strategic direction. We will continue to explore and implement innovative solutions, adopt emerging technologies, and collaborate with partners across our value chain to accelerate our decarbonization efforts.

Scope 1 and Scope 2 greenhouse gas emissions

Logoplaste's Operational GHG emissions

Scope 1 GHG emissions are direct emissions from the use of fossil fuels within Logoplaste, plus fugitive emissions (resulting from refrigerant gases leaks).

Scope 2 GHG emissions are indirect emissions from the purchase of electricity for Logoplaste sites and offices.

Absolute Emissions

In 2025, Logoplaste's total Scope 1 and Scope 2 (market-based) emissions — representing our operational CO₂e footprint — amounted to **52 254 tons of CO₂e**.

This reflects a **32% reduction** compared to last year, and a **59% reduction** relative to our Science Based Targets initiative (SBTi) baseline year, 2020, **marking the achievement of our Operational Target**.

The significant decrease in absolute emissions was primarily driven by the increased use of renewable electricity, leading to a substantial reduction in Scope 2 emissions.

Table: Logoplaste's Operational GHG Emissions (Scope 1 and Scope 2-market)

	2020		2021		2022		2023		2024		2025		2024 vs 2025 (%)	2025 vs 2020 (%)
	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)		
SCOPE 1 - Fuels	2 842	2%	2 675	3%	3 805	4,1%	3 982	4,5%	4 000	5,2%	3 954	7,6%	-1,2%	39,1%
SCOPE 1 - Refrigeration Gases	1 625	1%	404	0%	464	0,5%	300	0,3%	474	0,6%	174	0,3%	-63,3%	-89,3%
SCOPE 1 - Total	4 467	4%	3 079	3%	4 269	4,6%	4 282	4,8%	4 475	5,8%	4 128	7,9%	-7,8%	-7,6%
SCOPE 2 - Electricity	122 791	97%	94 007	97%	89 444	95,4%	84 778	95,2%	72 354	94,2%	48 127	92,1%	-33,5%	-60,8%
TOTAL (SCOPE 1 + SCOPE 2)	127 258	100%	97 086	100%	93 713	100%	89 060	100%	76 829	100%	52 254	100%	-32%	-59%

Scope 1 emissions continue to represent a very small slice (8%) of our absolute emissions:

Scope 1 – Fuels: 7.6%;

Scope 1 – Refrigeration gases: 0.3%;

Scope 2 – Electricity 92.1%

Details of our scope 1 emissions and our scope 2 location-based emissions can be consulted in the annex of this document.

Global Commitment-Ellen MacArthur Foundation

In addition to accounting our absolute scope 1 and scope 2 (market-based) emissions, in 2019 Logoplaste established a **corporate GHG emissions reduction target**:

30% reduction of our operational CO₂e emissions by 2030 (base year 2019).

Logoplaste's Operational CO₂e Reduction Target:

YEAR	Emissions (Tons CO ₂ e)	Variation from 2019 (%)
2019	104 209	-
2020	127 258	22%
2021	97 086	-7%
2022	93 713	-10%
2023	89 060	-15%
2024	76 829	-26%
2025	52 254	-50%

Thanks to the collective efforts across our global operations, we have surpassed our 2030 goal of a 30% reduction in operational CO₂e emissions (base year 2019), achieving a 50% reduction by the end of 2025, thereby exceeding our Operational Target ahead of schedule.

As electricity consumption remains Logoplaste's largest source of operational CO₂e emissions, transitioning to renewable energy sources has been fundamental in driving this progress. Centralized teams played a key role by negotiating energy supply contracts and evaluating energy-related projects to optimize performance across our sites.

We continue to implement the best local solutions across all facilities. In our wall-to-wall operations — where customers select the electricity provider — we are working closely with partners to transition to less carbon-intensive energy sources wherever possible.

To reach our target, we continue to work across all our sites to implement the best local solutions and in our wall-to-wall operations — where our customers decide on the electricity provider — we are working together to make the swap to less CO₂ intensive energy sources.

Emissions Intensity

In addition to setting a target for absolute operational CO₂e emissions, Logoplaste also established an intensity indicator, measuring CO₂e emissions from electricity consumption per ton of raw materials transformed. * The goal set for 2030 was a **30% reduction in emissions intensity**, using 2019 as the baseline year.

* The ratio between the CO₂e emissions resulting from electricity consumption and tonnage of raw materials transformed in the same period, for the plants that operated for the full year. Our calculations exclude plants that were starting up or closing during the reporting period.

In 2025, Logoplaste achieved an intensity value of 0.205 tons CO₂e per ton of raw material transformed, **reflecting a 21% improvement compared to 2024 and a 52% improvement relative to 2019.**

This performance not only exceeds the original target but also reinforces the effectiveness of the measures implemented across our operations.

The main contributors to this achievement were the increased adoption of renewable electricity across our sites and the ongoing deployment of energy efficiency initiatives.

CO₂e emissions intensity indicator

Year	CO ₂ e Emissions Intensity Indicator	Variation from 2019 (%)
2019	0,383	-
2020	0,427	12%
2021	0,335	-13%
2022	0,274	-28%
2023	0,259	-32%
2024	0,213	-44%
2025	0,205	-52%

Scope 3 greenhouse gas emissions

Scope 3 greenhouse gas (GHG) emissions cover indirect emissions resulting from Logoplaste's value chain activities.

Logoplaste's scope 3 emissions are greater than Logoplaste's operational GHG emissions:

Total – 557 759 Tons CO₂e Emissions

90.1% Scope 3 (505 505 Tons CO₂e Emissions)

0.7% Scope 1 (4 128 Tons CO₂e Emissions)

8.6% Scope 2 (48 127 Tons CO₂e Emissions)

Comparison of Scope 1 and Scope 2 Emissions with Scope 3 Emissions

	2022		2023		2024		2025		24vs25 (%)
	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)	
SCOPE 1	4 269	0,7%	4 282	0,7%	4 475	0,8%	4 128	0,7%	-7,8%
SCOPE 2	89 444	14,4%	84 778	14,1%	72 354	12,3%	48 127	8,6%	-33,5%
SCOPE 3	525 211	84,9%	512 987	85,2%	513 354	87,0%	505 505	90,6%	-1,5%
TOTAL	618 924	100%	602 047	100%	590 183	100%	557 759	100%	-5,5%

Detail of Logoplaste Scope 3 GHG Emissions

Category:	2024		2025	
	Emissions (Tons CO ₂ e)	(%)	Emissions (Tons CO ₂ e)	(%)
Category 1 - Purchased goods and services	418 000	81,4%	411 482	81%
Category 2 - Capital goods	30 538	5,9%	32 979	7%
Category 3 - Fuel- and energy-related activities	23 391	4,6%	17 223	3%
Category 4 - Upstream transportation and distribution	31 281	6,1%	32 065	6%
Category 5 - Waste generated in operations	91	0,01%	87	0%
Category 6 - Business travel	948	0,2%	1 103	0%
Category 7 - Employee commuting	3 946	0,8%	4 146	1%
Category 8 - Upstream leased assets	0	0,0%	0	0%
Category 9 - Downstream transportation and distribution	2 918	0,6%	4 570	1%
Category 10 - Processing of sold products	0	0,0%	0	0%
Category 11 - Use of sold products	0	0,0%	0	0%
Category 12 - End-of-life treatment of sold products	2 274	0,4%	1 851	0%
Category 13 - Downstream leased assets	0	0,0%	0	0%
Category 14 - Franchises	0	0,0%	0	0%
Category 15 - Investments	0	0,0%	0	0%
Total	513 386	100%	505 505	100%

Logoplaste's largest category of Scope 3 GHG emissions is category 1, purchased goods and services, more precisely the purchase of raw materials used to produce packaging.

As the majority of our GHG emissions result from the purchase of raw materials, resin choice; increasing incorporation of recycled content; evaluation of alternative recycled resins and bioplastics; and product design and lightweight programs, all of these play a significant role in Logoplaste's strategy to reduce our corporate carbon footprint.

Contribution of Raw Materials to Total Emissions

	2025
Raw Materials vs Total Category 1	98%
Raw Materials vs Scope 3 - All Categories	80%
Raw Materials vs Scopes 1+2+3	72%

MATERIAL AND PRODUCT CHARACTERISTICS

As highlighted in our Scope 3 emissions data, selecting the right resins for packaging production and transitioning feedstocks away from fossil-based materials remain critical to reducing our corporate GHG emissions.

Logoplaste has been using recycled raw materials for over 10 years and in 2018 committed to further expand the incorporation of recycled content across product portfolio, by signing the **“The Global Commitment,” led by the Ellen MacArthur Foundation.**

We have continued to make strong progress in increasing the use of recycled materials across our packaging solutions. As shown below, the percentage of post-consumer recycled content in our raw material consumption has grown consistently year after year, with a particularly notable increase in 2025

Recycled raw materials consumption

	% PCR	% PCR PET	% PCR HDPE
2020	9,6%	13,5%	3,1%
2021	14,0%	18,8%	6,2%
2022	18,8%	25,2%	8,6%
2023	21,5%	28,2%	10,6%
2024	24,8%	31,6%	14,0%
2025	29,0%	36,6%	17,7%
2025 vs 2024	17,3%	15,8%	25,7%

PCR – post-consumer recycled

% PCR - total PCR materials transformed by total materials transformed

% PCR PET - PCR PET transformed by the sum of PCR PET transformed and virgin PET transformed

% PCR HDPE - PCR HDPE transformed by the sum of PCR HDPE transformed and virgin HDPE transformed.

Linked with the increase of recycled content, from 2024 to 2025, we observed a **2.0%** drop in CO₂e emissions resulting **from our purchased raw materials**, despite the slight **4%** increase in **tonnage of processed raw materials**.

This is related to the better eco-profile of recycled resins, compared to fossil-based resins.

WATER

Every drop counts

In 2025, our total water withdrawal reached 282 ML (megaliters), representing a slight increase of 1.1% compared to 2024 (279 ML). Third-party water remained our primary source, accounting for 61% of total withdrawal (171 ML), while groundwater represented 39% (111 ML).

Water withdrawal by source

Water Withdrawal Source	2023		2024		2025		2024 vs 2025 (%)
	Water Withdrawal (ML)	(%)	Water Withdrawal (ML)	(%)	Water Withdrawal (ML)	(%)	
Third party water	136	56%	183	66%	171	61%	-7%
Groundwater	108	44%	96	34%	111	39%	16%
Total	244	100%	279	100%	282	100%	1,1%

Water use remains concentrated in water-stressed areas, with 86% of withdrawals occurring in high water-stress regions and 14% in extremely high-stress areas, levels broadly in line with 2024.

We continue to rely on the World Resources Institute's Aqueduct Water Risk Atlas to identify high-risk locations and guide targeted water management actions, with a strong focus on improving efficiency at site level.

WASTE

A useful resource

In 2025, Logoplaste produced a total of 6 615 tons of operational waste, 97% of which was sent for recycling or reuse.

Hazardous waste represents 3% of our total operational waste. Our main sources of hazardous waste are used oils and lubricants, rags and other absorbents used for spill cleanups.

Breakdown of type of waste by disposal method

TREATMENT / DISPOSAL METHOD	HAZARDOUS WASTE		NON-HAZARDOUS WASTE		TOTAL	
	Quantity (Tons)	(%)	Quantity (Tons)	(%)	Quantity (Tons)	(%)
Disposal - Incineration with Energy Recovery	29	15%	76	1%	105	2%
Disposal - Incineration without Energy Recovery	2	1%	39	1%	41	1%
Disposal - Landfill	3	2%	50	1%	53	1%
Recovery - Composting	0	0%	1	0%	2	0%
Recovery - Preparation for Reuse	49	26%	574	9%	623	9%
Recovery - Recycling	107	56%	5685	88%	5792	88%
ALL METHODS	190	100%	6426	100%	6615	100%

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ANNEXS

ENERGY --> Detailed energy consumption and the methodological process we use to analyze data can be consulted here.

Detail of Energy Consumption within Logoplaste							
	2020	2021	2022	2023	2024	2025	2024 vs
Logoplaste Plants	Energy (GJ)	Energy (GJ)	Energy (GJ)	Energy (GJ)	Energy (GJ)	Energy (GJ)	2025 (%)
Electrical grid - brown electricity	1 096 618	908 619	863 361	826 671	728 722	612 284	-16%
Electrical grid - 100% green electricity	127 148	276 787	400 851	493 691	619 298	783 751	27%
CHP systems (natural gas)	101 766	102 762	107 729	112 099	109 113	104 020	-5%
Photovoltaic panels	1 660	1 414	2 913	3 378	7 462	17 881	140%
Total electricity purchased for consumption:	1 327 191	1 289 582	1 374 852	1 435 839	1 464 595	1 517 935	4%
Photovoltaic panels	2 263	2 894	3 688	6 238	5 459	6 069	11%
Total electricity self-generated and self-consumed from renewable sources:	2 263	2 894	3 688	6 238	5 459	6 069	11%
Natural gas - heating, machinery	25 904	23 865	39 957	42 157	53 641	43 716	-19%
LPG - forklifts	3 422	3 914	3 928	3 652	3 887	4 304	11%
Red diesel consumption - forklifts	114	83	359	36	16	50	205%
Diesel - company trucks	8 598	7 912	8 342	8 121	8 160	8 039	-1%
Petrol	29	23	36	41	120	100	-16%
Total fuel consumption from non-renewable sources:	38 066	35 797	52 622	54 007	65 825	56 210	-15%
TOTAL	1 367 521	1 328 274	1 431 162	1 496 084	1 535 879	1 580 214	3%
	2020	2021	2022	2023	2024	2025	2024 vs
Corporate Offices	Energy (GJ)	Energy (GJ)	Energy (GJ)	Energy (GJ)	Energy (GJ)	Energy (GJ)	2025 (%)
Electrical Grid - brown electricity	4 307	10 256	10 542	6 021	3 321	2 923	-12%
Electrical Grid - 100% green electricity	0	0	3 148	5 322	5 462	3 953	-28%
Total electricity consumption:	4 307	10 256	13 690	11 343	8 783	6 876	-22%
- Photovoltaic panels	494	462	324	342	731	1 326	81%
Total electricity self-generated from renewable sources:	494	462	324	342	731	1 326	81%
- Photovoltaic panels	494	462	324	342	731	1 326	81%
Total electricity sold from renewable sources:	494	462	324	342	731	1 326	81%
- Diesel for company cars	5 648	5 105	5 927	6 161	4 399	3 086	-30%
- Petrol for company cars	2 051	2 490	3 785	5 223	6 221	6 795	9%
Total fuel consumption from non-renewable sources:	7 698	7 595	9 712	11 384	10 620	9 881	-7%
TOTAL	12 006	17 851	23 402	22 727	20 134	18 082	-10%
Total (Logoplaste Plants and Corporate Offices)	1 379 526	1 346 125	1 454 568	1 518 811	1 556 013	1 598 296	3%

GREENHOUSE GAS EMISSIONS --> Details of our scope 1 emissions and our scope 2 location-based emissions can be consulted here

Sources of scope 1 emissions, corresponding consumptions and CO₂e emissions, from 2022 to 2025.

		2022			2023			2024			2025		
SCOPE 1	Unit	Consumption	Emissions (Tons CO ₂ e)	%	Consumption	Emissions (Tons CO ₂ e)	%	Consumption	Emissions (Tons CO ₂ e)	%	Consumption	Emissions (Tons CO ₂ e)	%
Natural Gas	m3	1 119 004	2 256	52,8%	1 157 644	2 360	55,1%	1 014 149	2 404,7	53,7%	1 191 580	2 463	60%
LPG	kg	85 501	251	5,9%	79 463	233	5,4%	85 186	250	5,6%	93 681	275	7%
Red Diesel	L	9 982	28	0,6%	1 001	3	0,1%	360	1	0,0%	1 377	4	0%
Petrol	L	1 102	2	0,1%	1 282	3	0,1%	2 621	6	0,1%	3 121	6	0%
Diesel - Company Cars	L	397 177	1 016	23,8%	402 550	1 030	24,0%	352 712	885	19,8%	312 005	793	19%
Petrol - Company Cars	L	116 508	252	5,9%	163 539	353	8,3%	192 690	453	10,1%	211 455	413	10%
Refrigeration Gases Leakages	kg	266	464	10,9%	167	300	7,0%	194	474	10,6%	92	174	4%
TOTAL		-	4 269	100%	-	4 282	100%	-	4 475	100%	-	4 128	100%

Scope 2 location-based and scope 2 market-based

	Emissions (Tons CO ₂ e)	
Year	Scope 2: Location-Based	Scope 2: Market-Based
2019	99 588	100 070
2020	126 505	122 791
2021	130 970	94 007
2022	128 461	89 444
2023	142 514	84 778
2024	109 410	72 354
2025	136 854	48 127