

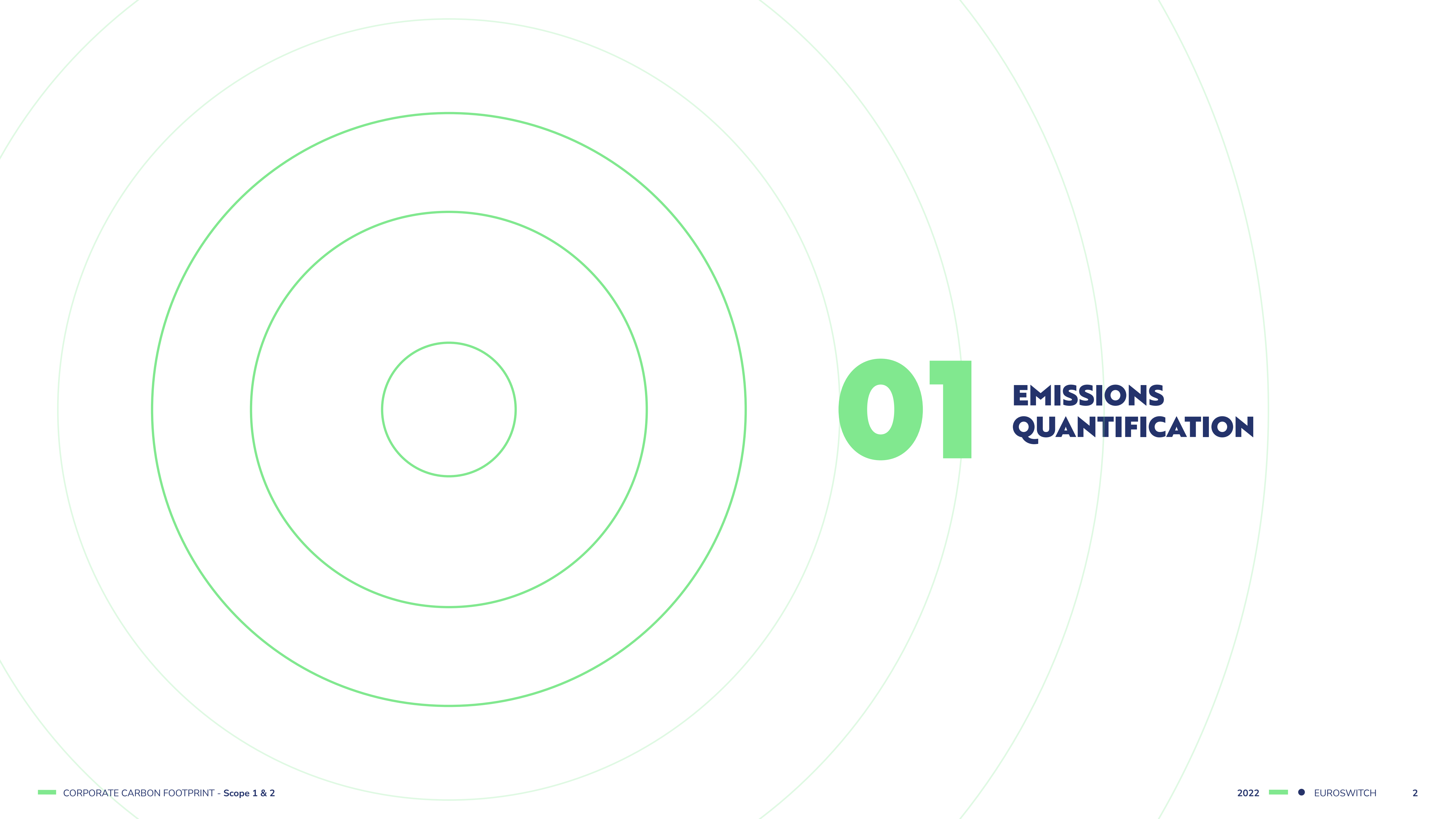


EUROSWITCH
excellence in sensors

CORPORATE CARBON FOOTPRINT

SCOPE 1 & 2

2022



01

EMISSIONS QUANTIFICATION



Emissions quantification

UNI EN ISO 14064:1
CATEGORY 1 and 2



UNI EN ISO 14064-1:2018 provides for the division of emission sources into six different categories:

CATEGORY 1 •

DIRECT GHG EMISSIONS - related to direct greenhouse gas (GHG) emissions by the organization during the year of analysis (2022). The value of the emissions is reported in tons of CO₂ equivalent.

CATEGORY 2 •

INDIRECT GHG EMISSIONS FOR IMPORTED ENERGY - This category refers to indirect emissions related to the consumption of electricity from the national grid. The value of the emissions is reported in tons of CO₂ equivalent.

CATEGORY 3 • Indirect emissions for transportation.

CATEGORY 4 • Indirect emissions for products used by the organization.

CATEGORY 5 • Indirect emissions associated with the use products from the organization.

CATEGORY 6 • Indirect emissions from other sources.



TABLE 1 •
 GHG Emissions (Category 1 and 2) • 2022

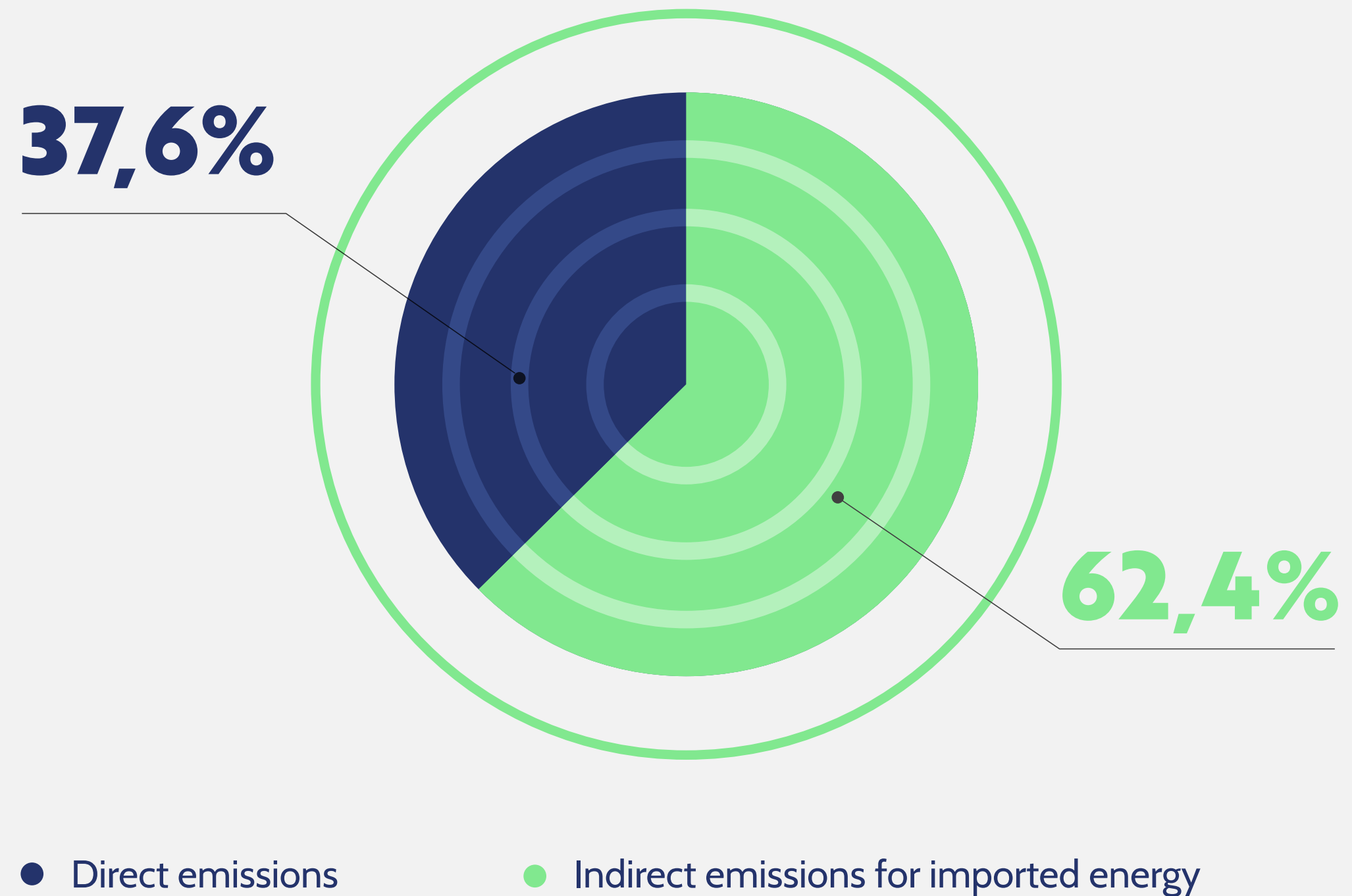
Category	Activity type	Quantity	UoM	Quantity 2	UoM 2	EF	UoM (EF)	EF Source	tCO ₂ eq	Weight
1 - Direct emissions	Natural gas	13.807	Sm ³	0,49	TJ	56,333	tCO ₂ eq/TJ	National standard parameter table - ISPRA 2022 (CO ₂)	27,44	11,6%
						0,084	tCO ₂ eq/TJ	IPCC Stationary Combustion (tab 2,3) (CH ₄)	0,04	0,0%
						0,159	tCO ₂ eq/TJ	IPCC Stationary Combustion (tab 2,3) (N ₂ O)	0,08	0,0%
	Diesel for the company fleet	18.101	l	15.114,34	kg	3,169	kgCO ₂ /kg	National standard parameter table - ISPRA 2022	47,90	20,3%
						0,000	kgCO ₂ e(CH ₄)/kg	DEFRA 2022 - Fuels - Diesel (average biofuel blend) - kg CH ₄	0,00	0,0%
						0,044	kgCO ₂ e(N ₂ O)/kg	DEFRA 2022 - Fuels - Diesel (average biofuel blend) - kg N ₂ O	0,67	0,3%
	Petrol for the company fleet	5.369	l	3.978,43	kg	3,152	kgCO ₂ /kg	National standard parameter table - ISPRA 2022	12,54	5,3%
						0,010	kgCO ₂ eq(CH ₄)/kg	DEFRA 2022 - Fuels - Petrol (100% mineral petrol)	0,04	0,0%
						0,009	kgCO ₂ eq(N ₂ O)/kg	DEFRA 2022 - Fuels - Petrol (100% mineral petrol)	0,04	0,0%
		F-Gas	0	kg			600- 4000	GWP	IPCC - Fifth Assessment Report (AR5)	0,00
Category 1 total - Direct emissions									88,7	37,6%
2 - Indirect emissions for imported energy	Electricity from the national grid	535,07	MWh			275,639	kgCO ₂ e/MWh	Ecoinvent 3.9.1 (2023) - market for electricity, medium voltage (IT)	147,49	62,4%
	Elf produced and self consumed electricity from photovoltaic system	0,00	MWh			0	kgCO ₂ e/MWh	Energy from renewable source	0,0	0,0%
Category 2 total - Indirect emissions for imported energy									147,5	62,4%
TOTAL									236,2	100,0%

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Direct and indirect GHG emissions

WEIGHT OF THE SINGLE CATEGORY

FIGURE 1 •
Direct and indirect GHG Emissions comparison • 2022

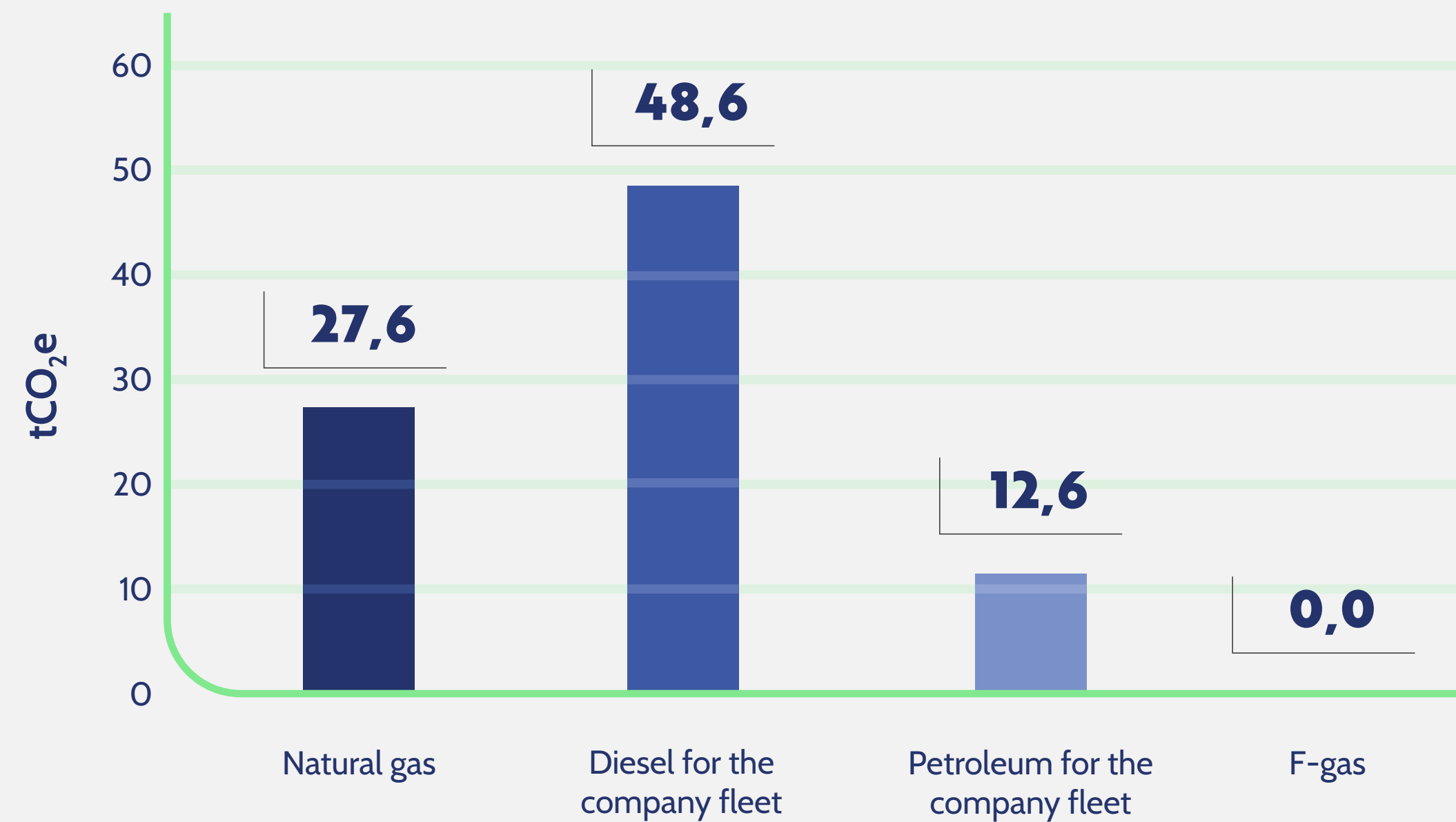


Direct and indirect GHG emissions

DIRECT EMISSIONS
CATEGORY 1

FIGURE 2 •

Category 1 composition - Direct GHG emissions • 2022



- **Direct and indirect GHG emissions** 

**SPECIFIC EMISSIONS
ON PRODUCTION**



0,07 kgCO₂ / single produced sensor



02

**OUR COMMITMENT
TO REDUCE GHG EMISSIONS**

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Our commitment to reduce GHG emissions

GHG EMISSIONS AND
CARBON NEUTRALITY 

Euroswitch has set a goal to reduce by 30% its Scope 2 emissions by 2025 and achieve carbon neutrality (in a market-based scenario) by 2030 through the following actions:

ACTION 1 •

Installation of a
150 kWp
photovoltaic system on the
Pisogne production site.

ACTION 2 •

Relamping
of the entire Pisogne
production site.

ACTION 3 •

Installation of a new
Compressed Air
plant at the Pisogne site.

ACTION 4 •

Offsetting the remaining
emissions through the purchase of
Carbon Credits
by supporting certified “Carbon Removal”
emission reduction projects.



EUROSWITCH S.P.A.

Via Provinciale n.15 - 25057 Sale Marasino (BS) Italy

Tel. +39 030 986549 - Fax +39 030 9824202

info@euroswitch.it