



Carbon Footprint Report 2024

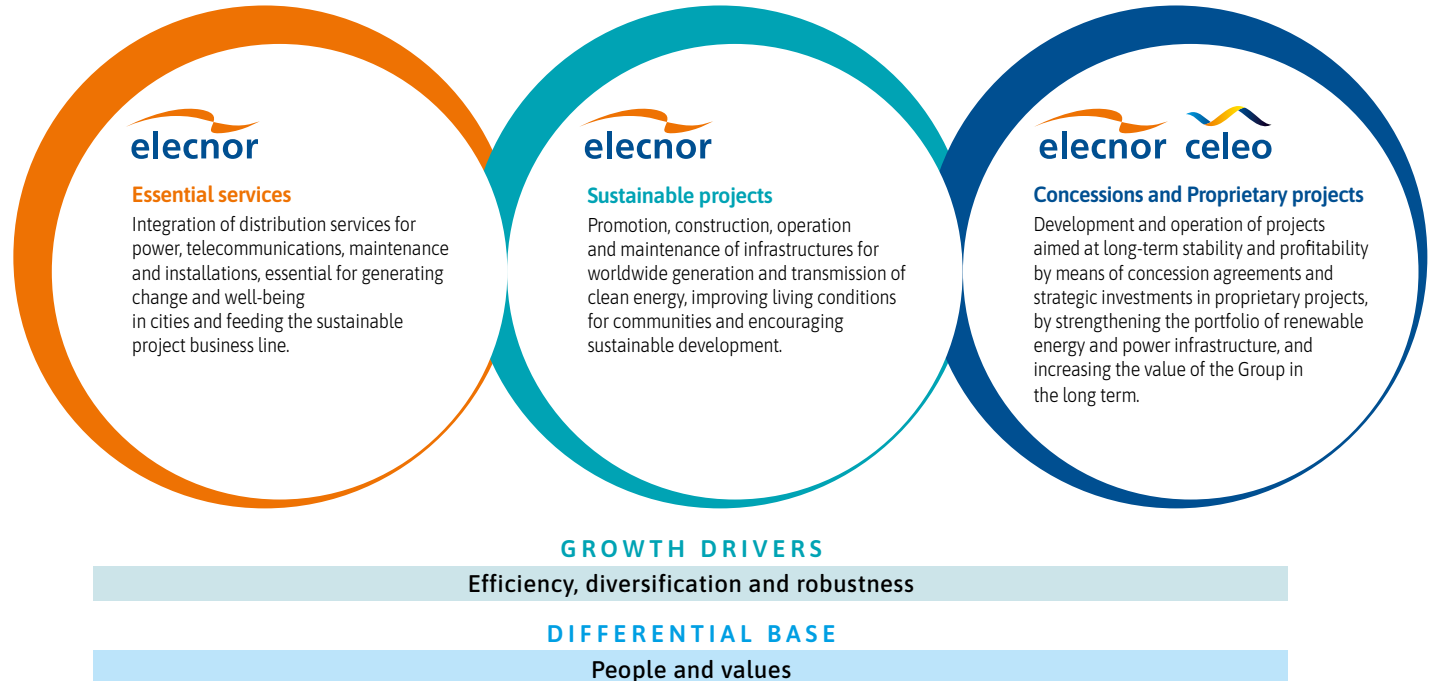
Three businesses, one Group

The Elecnor Group is a Spanish corporation present in more than 40 countries that drives its purpose with a business model based on people, and which believes in the generation of shared value and sustainability.

A business model that is developed through three key businesses that complement and strengthen each other: Essential services, Sustainable projects and Concessions and Proprietary projects.

Our purpose, our raison d'être

We are generators of change and well-being:
we bring infrastructures, energy and services to territories all over
the world so that they can develop their potential.



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between 2024 and
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Partner of the SDGs

The Elecnor Group is one of the key agents in the development and progress of people and the environment. Aware of the contribution of its activities, its objective is to maximise positive impacts and minimise negative impacts on society and the environment, through responsible, ethical and transparent behaviour.

Infrastructure, renewable energy, water and environmental projects provide solutions to current and future challenges, such as climate change, reducing inequalities and the energy gap, among others.

This report on its carbon footprint is a reflection of the Elecnor Group's contribution to **SDG 13, Climate Action**. The company is tackling climate change by calculating its carbon footprint, setting emission reduction targets and implementing its Climate Change Strategy.



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Carbon Footprint

Methodology used for calculation

There are currently a number of internationally recognised methodologies and standards to calculate the carbon footprint depending on their approach, scope and orientation.

The Elec nor Group has opted for the GHG Protocol methodology to evaluate its carbon footprint, as it is considered the most internationally recognised standard to determinate an organisation's carbon footprint. Furthermore, this methodology is based on these five principles: relevance, completeness, consistency, transparency and accuracy.

Defining the boundaries of the carbon footprint

The first step in the development of the carbon footprint is the definition of organisational boundaries, which consists of determining the contours of the company to be analysed and defined in the Corporate Accounting and Reporting Standard.

By setting organisational boundaries, a company selects an approach to consolidate its greenhouse gas (GHG) emissions. In other words, it determines the business units and operations that make up the company.



To calculate the Elecnor Group's carbon footprint, an operational control approach has been chosen. The organisational boundary in the Elecnor Group study is defined as a set of facilities with mobile production processes -works - and static ones -plants- in addition to offices and warehouses.

Operational boundary

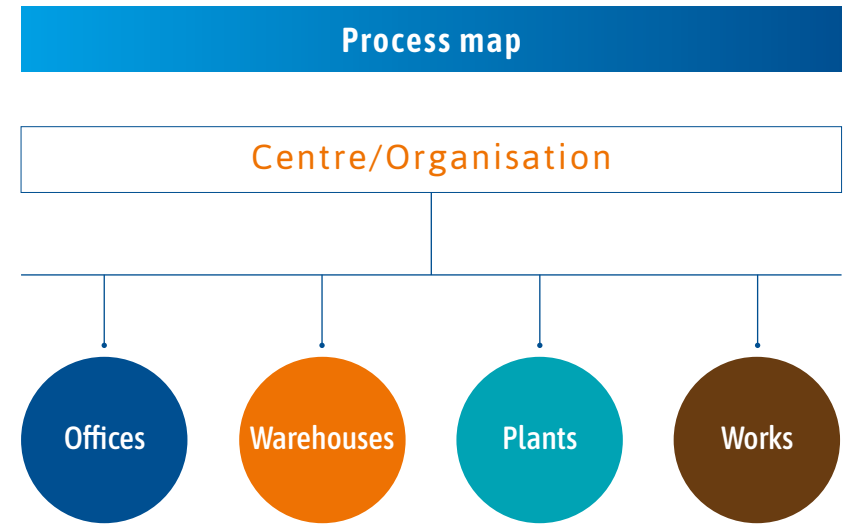
Based on operational controls, organisational limits are determined by classifying emission sources into three possible scopes of study.

According to the GHG Protocol, the operational boundary defines the scope of direct and indirect emissions for operations that fall within the organisational boundary set for the company. On a mandatory basis, organisations are required to report Scope 1 and 2 separately, with Scope 3 Emissions being optional but recommended.

When calculating the carbon footprint, the different emission sources must be taken into account.

These will be defined within **scope 1, 2 or 3** depending on how the organisational boundaries are defined.

In calculating the Elecnor Group's carbon footprint, the following direct **Scope 1** emissions, indirect **Scope 2** emissions and other indirect **Scope 3** emissions have been quantified.



To identify significant Scope 3 emission sources, the recommendations set out in the Scope 3 Emissions Calculation Guide, a supporting document to the GHG Protocol standard, have been followed, with the following being considered relevant:

- › 3.1 Purchase of goods and services
- › 3.2 Capital goods
- › 3.3 Upstream fuels and energy activities
- › 3.4 Upstream transport and distribution
- › 3.5 Waste generation
- › 3.6 Corporate travel
- › 3.7 In itinere journeys
- › 3.8 Upstream leased assets
- › 3.12 End of life of products sold
- › 3.15 Investments

Scope 1 emissions (direct emissions):

Emissions that result from activities that the organisation controls. Examples of processes that may generate them:

- › Stationary sources
- › Mobile sources
- › Fugitive emissions resulting from intentional or unintentional releases such as refrigerants used in air conditioning and refrigeration equipment.

Scope 2 emissions (indirect emissions):

Emissions of the organisation from the use of electrical energy, heat or water vapour purchased from outside.

Scope 3 emissions (other indirect emissions):

Emissions from the organisation's products and services. They are induced by the company's activities, but occur in sources that are not owned or controlled by the company.

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Results: Carbon Footprint 2024

This section will present the results of the Elecnor Group's organisational carbon footprint analysed in different ways.

Elecnor Group's carbon footprint

The Elecnor Group's carbon footprint in 2024 was 577,373 tonnes of CO₂e.

Of the total emissions, 17.14% were **Scope 1** emissions, i.e. direct emissions associated with fuel and refrigerant gas consumption.

Scope 2 indirect emissions (electricity consumption) were only 0,24 % of the total footprint. The remaining emissions of the footprint belong to **scope 3** (82.62%).



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Emissions

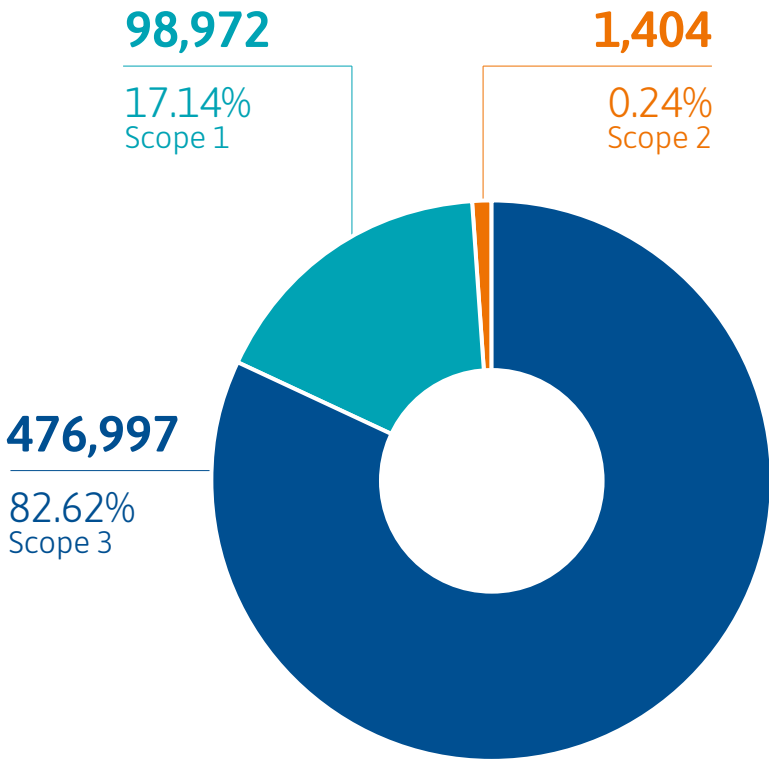
BY TYPE OF SOURCE AND SCOPE

Scope	Source	(tCO ₂ e Emissions)
Scope 1	Stationary source, mobile source and fugitive emissions	98,972
Scope 2	Electricity consumption	1,404
Total Scope 1 and 2		100,376
Scope 3		476,997
Total		577,373

Emission contribution

BY SCOPE

(tCO₂ equivalent)



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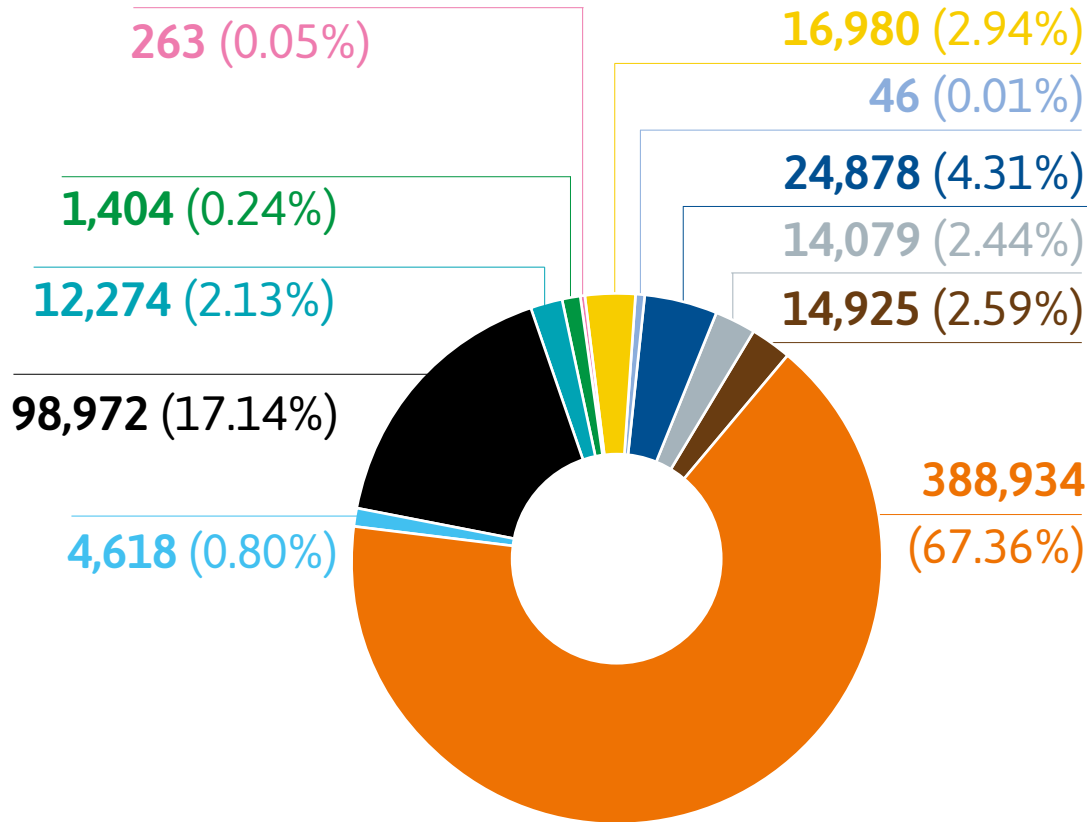
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Emissions contribution

BY SOURCE

(tCO₂)



- 1 Stationary, mobile source and fugitive emissions
- 2 Purchased electricity
- 3.1 Purchases of goods and services, and 3.2 Capital goods
- 3.3 Upstream fuels and energy activities
- 3.4 Upstream transport and distribution
- 3.5 Waste generation
- 3.6 Corporate travel
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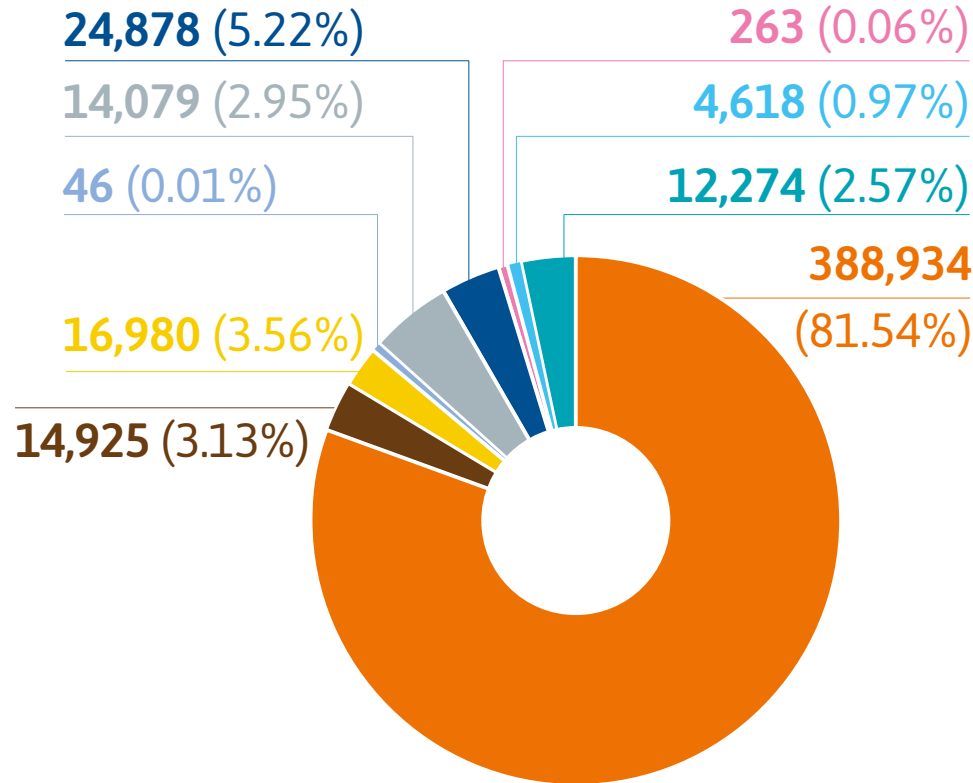
Avoided emissions

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Contribution of each source TO SCOPE EMISSIONS 3

(tCO₂)



- 3.1 Procurement of goods and services, and 3.2 Capital goods
- 3.3 Upstream fuels and energy activities
- 3.4 Upstream transport and distribution
- 3.5 Waste generation
- 3.6 Corporate travel
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The table below shows the contribution of each organisation with respect to the total emissions generated by the Elecnor Group in scopes 1 and 2.

The organisations that contribute the most to the Elecnor Group's total emissions are Elecnor Australia Elecnor Group are Elecnor Australia, Dirección Centro, Elecnor United States, Elecnor do Brasil and Dirección Sur. The sum of the contributions of these four organisations amounts to 60.86% of total emissions.

Contribution of each organisation

Organisation	Scope1 (tCO ₂ e/year)	Scope 2 (TCO ₂ e/year)	% of total
ELECNR AUSTRALIA	18,433.06	166.88	18.59%
DIRECCIÓN CENTRO	14,299.04	65.80	14.36%
ELECNR UNITED STATES	9,774.77	362.00	10.13%
ELECNR BRAZIL	9,831.79	25.78	9.85%
DIRECCIÓN SUR	7,924.60	-	7.92%
ELECNR ITALY	7,467.04	5.82	7.47%
DIRECCIÓN NORDESTE	4,748.42	-	4.75%
ELECNR CHILE	3,824.65	63.63	3.89%
AUDECA	3,752.20	66.57	3.82%
ELECNR DOMINICAN REPUBLIC	3,229.09	169.34	3.40%
DIRECCIÓN ESTE	2,887.85	2.56	2.89%
ELECNR ANGOLA	2,040.70	180.91	2.22%
ELECNR CAMEROON	1,740.47	88.61	1.83%
ELECNR MEXICO	1,421.17	-	1.42%
SG GRANDES REDES	1,279.99	-	1.28%
OMNINSTAL ELECTRICIDADE	1,092.29	25.78	1.12%
ELECNR PANAMA	1,050.12	27.05	1.08%
IQA	872.38	70.95	0.94%
MONTELECNOR	923.60	6.16	0.93%
SG ENERGÍA	769.17	-	0.77%
ELECNR ARGENTINA	709.85	9.26	0.72%
ELECNR GERMANY	167.95	-	0.17%
ELECNR PERU	135.83	10.70	0.15%
ELECNR HONDURAS	134.25	2.68	0.14%
SG INGENIERÍA	89.97	45.24	0.14%
ELECNR COLOMBIA	34.91	-	0.03%
ATERSA	2.96	8.25	0.01%
CORPORATE OFFICES	-	-	0.00%

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Comparison between 2024 and 2023 Scope 1 and 2

In the Elecnor Group's internal protocol for the calculation of GHG emissions a control and monitoring system is defined as the comparison of the carbon footprint obtained in a given year with the emissions calculated for the previous year.

Thus, based on the activity data for the years 2024 and 2023, we wanted to establish a comparison of the GHG emissions generated by the Elecnor Group in both years, in order to be able to analyse the evolution of the organisation's carbon footprint.

2023 has been chosen as the base year, as it is the first year that the Elecnor Group calculates the total emissions of all scopes under the criteria of the Science Based Targets initiative (SBTi). However, a comparison will also be made with respect to 2014 as a historical starting point, in the scopes where possible.

The carbon footprint of the Elecnor Group in 2024, in terms of **scope1 (without refrigerant gases) and 2** was 99,879 tonnes of CO₂e, with the ratio between emissions generated and the number of hours worked being 1.85 kg CO₂e/hour.

	2023	2024	Variation
Total emissions Scope 1 y 2 (kg CO ₂ e)	81,758,026	99,879,076	22%
No. of hours worked (h)	48,936,169	54,114,704	11%
Ratio (kg CO ₂ e/hour)	1.67	1.85	-



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GHG emissions ratios between different activity data allow the evolution of the carbon footprint to be studied with relative values rather than absolute values that do not take into account variations in the organisation's activity and appropriate metrics for each company. They therefore serve to compare emissions efficiency over time and allow comparisons with other organisations.

It can also be seen that the ratio shows a downward trend compared to emissions compared to the start year 2014. By 2024, the carbon footprint has been reduced compared to 2014 by 23% in relative terms.

Change in ratio kg CO₂e/hours worked

PERIOD 2014-2024

	Elec nor Group Footprint* (tCO ₂ e)	Hours worked	Elec nor Group Ratio (kgCO ₂ e/h)	Evolution compared to the previous year	Developments with respect to as at 2014
2024	99,879	54,114,704	1.85	11%	-23%
2023	81,758	48,936,169	1.67	-	-30%
2022	77,464	46,556,470	1.67	-5%	-30%
2021	63,959	36,572,587	1.75	-6%	-27%
2020	57,070	30,723,020	1.85	3%	-24%
2019	50,308	27,819,881	1.8	-4%	-26%
2018	49,771	26,472,538	1.9	-2%	-23%
2017	54,498	28,341,988	1.9	-5%	21%
2016	46,250	22,894,701	2.0	-6%	-17%
2015	44,665	20,826,530	2.1	-12%	-12%
2014	46,067	18,912,402	2.4	-	-

* Carbon footprint of Scope 1 (without refrigerant gases) and Scope 2.



Analysing the Elecnor Group's emissions evolution by type of scope :

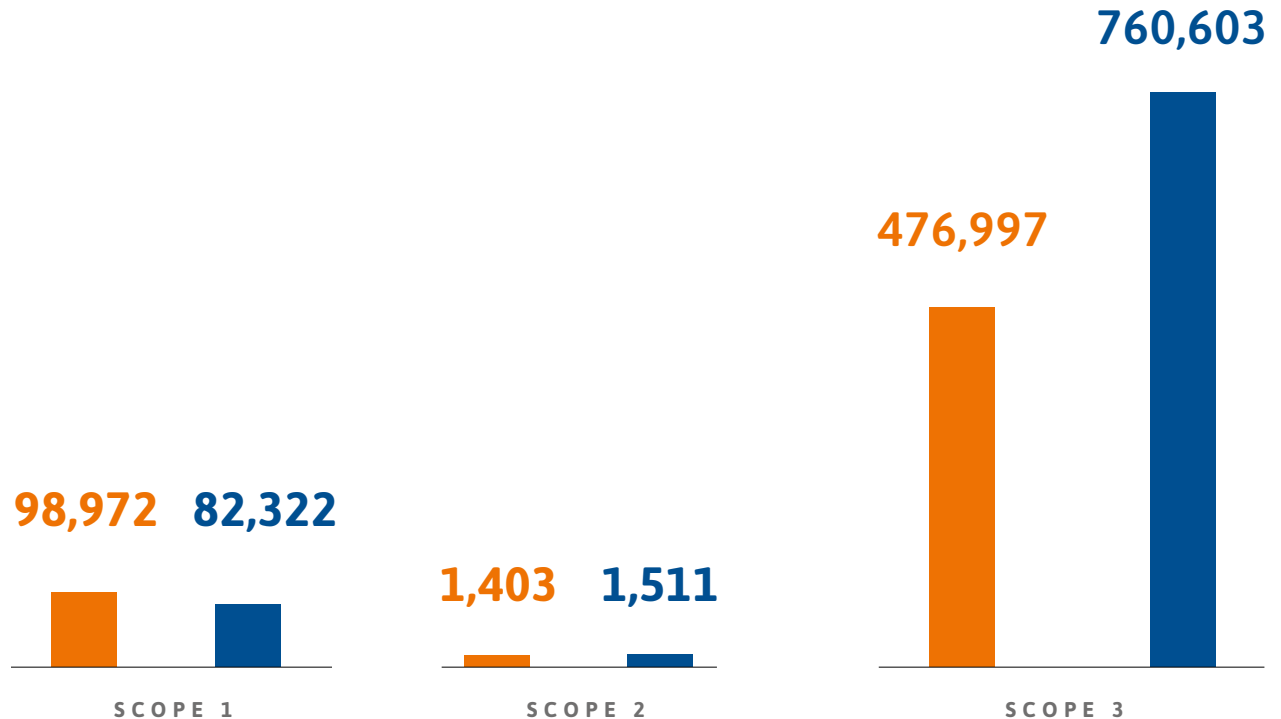
- **Scope 1:** emissions increase by almost 20.22%, this is due to the inclusion of the Elecnor United States organisation in the footprint report.
- **Scope 2:** emissions associated with electricity consumption have fallen by almost 7.1%, which is associated with better energy performance of the facilities.
- **Scope 3:** a 37.29% decrease in Scope 3 emissions has been recorded compared to 2023. This reduction is due to the variation in several impact categories.

Carbon footprint comparison

BY TYPE OF SCOPE

(tCO₂ equivalent)

■ Footprint 2024 (tCO₂e) ■ Footprint 2023 (tCO₂e)



We reduce the footprint

In the year 2024, the Elecnor Group's carbon footprint has experienced a reduction of 31.63% with respect to the base year 2023, mainly due to the reductions achieved in Scope 3.

Carbon footprint comparison

(tCO₂ equivalent)

2022



2023



2024



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Verified Carbon Footprint 2024 Certificate

AENOR

Certificate of Conformity
Calculated CO₂



GHG-0013/2024

AENOR certifies that the organization

ELECNR, S.A.
GRUPO ELECNR

complies with the GHG PROTOCOL Standard

generates: SPECIFIED IN ANNEX TO THE CERTIFICATE

which is/are carried out in: CL/CIENCIADO POZA, 55. 48013 - BILBAO (BIZKAIA)

First issued on: 2025-02-12

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Calculated CO₂



GHG-0013/2024

Annex to Certificate

Scope: It generates total emissions of 577,373.75 t CO₂e (Scope 1: 98,972.42 t CO₂e; Scope 2: 1,403.98; Scope 3: 476,997.36 t CO₂e).

The scope of the verification is established for the engineering, development and construction of infrastructure projects carried out by the following ELECNR GROUP organisations:

ELECNR S.A.
• Oficinas corporativas

ELECNR SERVICIOS Y PROYECTOS SAU:
• Subdirección General de Grandes Redes
• Subdirección General de Energía
• Subdirección General de Ingeniería
• Dirección Centro
• Dirección Nordeste
• Dirección Este

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GHG-0013/2024

Annex to Certificate

Scope: • Dirección Sur
• Dirección Alemania
• Elecnor de Angola
• Elecnor de Argentina
• Dirección Camerún
• Elecnor Chile
• Elecnor do Brasil
• Elecnor Colombia
• Elecnor Estados Unidos
• Elecnor Italia
• Elecnor de México
• Elecnor de Honduras
• Elecnor de R. Dominicana
• IGA (Reino Unido)
• Elecnor Australia
• Elecnor Panamá
• Elecnor Perú

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Annex to Certificate

Scope: • Elecnor Camerún
• Monteleonor
• Alaresa
• Adhorma Prefabricación
• Jonar Seguridad, S.L.
• Hidroamiente
• Ehsa construcciones y obras, S.A.
• Audica
• Omnistal Electricidade

CALCULATED PERIOD: 2024.

In accordance with the Verified Emissions Report for the period 2024 and the AENOR Verification Statement.

First issued on: 2025-02-12

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