



**Decarbonization
Plan**

2025



A firm commitment to a sustainable future

Decarbonization is today a strategic priority for **ALEASTUR Group**. It is not only a response to global environmental challenges, but a fundamental pillar to strengthen our operational efficiency, industrial competitiveness, and transparency towards clients, public administrations, and all stakeholders. In this context, the publication of this Decarbonization Plan considers the provisions of **Royal Decree 214/2025**, which regulates the calculation of the carbon footprint and the development and publication of greenhouse gas emission reduction plans.

This Plan is also aligned with the international commitments adopted under the Paris Agreement, whose objective is to limit global warming to well below 2°C, preferably 1.5°C, compared to pre-industrial levels. At **ALEASTUR Group**, we embrace this framework as an essential reference to guide our contribution to the transition towards a low-carbon economy, integrating climate considerations into decision-making and medium- and long-term planning.

ALEASTUR Group faces the coming years with a solid outlook for industrial growth. However, we do not intend to increase our carbon footprint; therefore, we have a plan. Growing and decarbonising are not incompatible goals; on the contrary, they are part of the same responsible competitiveness strategy.

For every tonne we produce,
we are less carbon-intensive (tCO₂e/t product).

This is not merely an aspiration; it is an operational commitment. producing more with lower carbon intensity, improving processes, optimising energy consumption, incorporating more efficient technologies, and advancing in the use of lower-impact energy sources.

Our approach is based on internationally recognised standards, ensuring traceability, comparability, and reliability of data. Carbon footprint calculation and the definition of reduction measures are conceived as a living process, grounded in continuous improvement of data quality, periodic reviews, and systematic monitoring of results. This approach enables us to identify improvement opportunities, optimise processes, and progress realistically and progressively in reducing our emissions.

Sustainability is a core part of ALEASTUR Group's commitment to responsible industrial development, deeply connected to our home region, Asturias. From here, we promote industrial activity compatible with environmental protection, economic growth, and long-term value creation. With the publication of this Decarbonization Plan, we reaffirm our commitment to responsibility, rigour, and transparency, strengthening a more sustainable industrial model for our territory and future generations.

(*) tCO₂e/tprod: tonne of CO₂ equivalent per tonne of product

Sergio Martínez
CEO ALEASTUR Group



Context
Page. 3



Scope, framework and methodology
Page. 7



2023–2030 overview
Page. 9



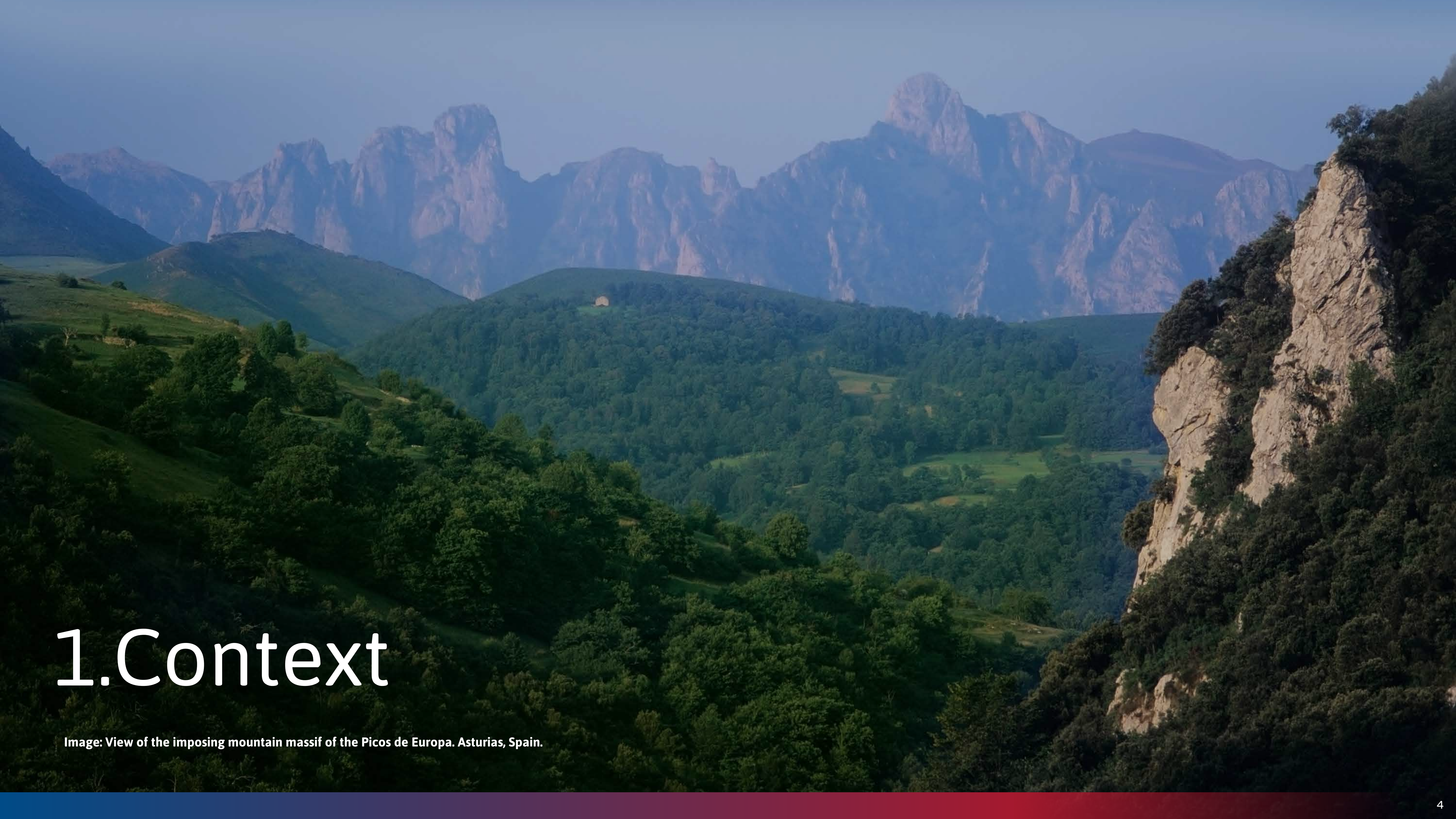
Targets and monitoring
of objectives
Page. 11



Decarbonization
measures
Page. 14

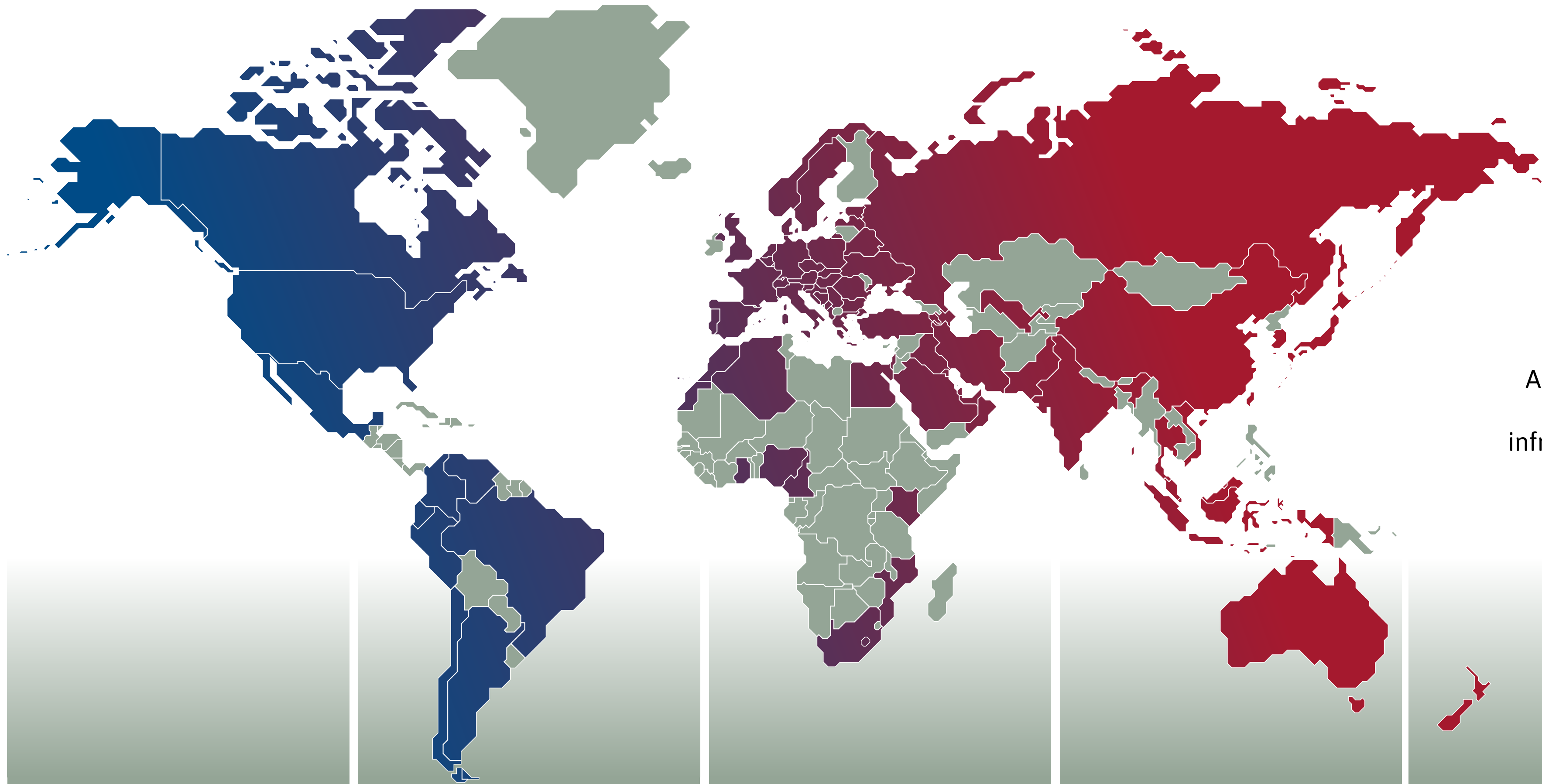


Governance, monitoring
and transparency
Page. 16



1.Context

Image: View of the imposing mountain massif of the Picos de Europa. Asturias, Spain.



ALEASTUR Group at a glance

As part of our strategic international expansion, we
are geographically positioned with solid
infrastructure and easy access to the fastest-growing
markets.

+50
years

+300
people

4
manufacturing
plants

1
Innovation
Centre

+80
countries

+800
clients

Tailor-made products for metallurgical industries



At **ALEASTUR Group**, we drive the transformation of materials, enabling multiple final applications. We serve the aluminium and steel industries worldwide, providing expertise, innovation, and commitment. We are a constantly expanding group, with a clear growth vision and more than 50 years of industrial experience.



Committed
to sustainable
growth



Committed
to our
customers



Committed
to innovation

Our business units:





2.Scope, framework and methodology

Image: Vaqueiro hut overlooking a valley in Somiedo Natural Park. Asturias, Spain.

ALEASTUR Group annually calculates the carbon footprint of its operations, covering direct emissions (Scope 1), indirect emissions from energy consumption (Scope 2), and emissions derived from its value chain (Scope 3). This analysis is complemented by an emissions inventory following the methodological guidelines of the Greenhouse Gas Protocol (**GHG Protocol**), based on relevance, completeness, consistency, transparency, and accuracy.

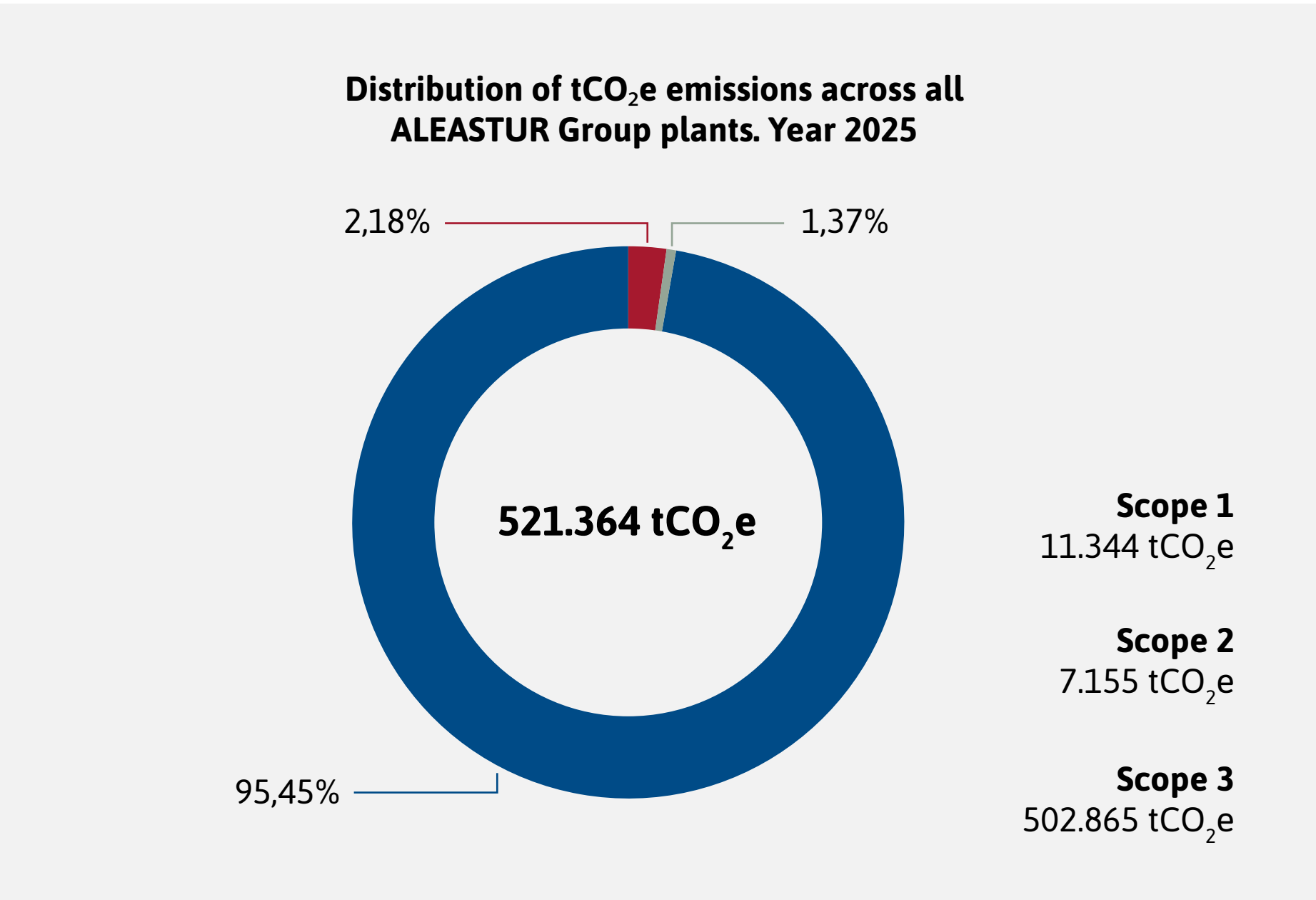
This **Decarbonization Plan** focuses on emissions from the three production centres located in Spain (Aleastur, Esalrod, and Steel) and the fourth in Bahrain (AME), representing the Group's total emissions. It is based on a structured and progressive methodological approach starting from the definition of a baseline of GHG emissions, identifying major emission sources, and designing reduction pathways aligned with climate objectives.

Scope 1: Represents approx. 2.18% of **ALEASTUR Group's** carbon footprint. Includes emissions from sources owned or controlled by the Group, such as natural gas consumption in production processes and thermal equipment.

Scope 2: Represents approx. 1.37% of the **Group's carbon footprint.**

Scope 1 and 2 emissions have been calculated using emission factors published by MITECO, in compliance with Royal Decree 214/2025, ensuring alignment with national regulatory frameworks.

The Plan incorporates a monitoring framework to periodically update the emissions inventory, assess progress, and ensure alignment with best industrial practices and national and European climate objectives.





3. General outlook 2023–2030

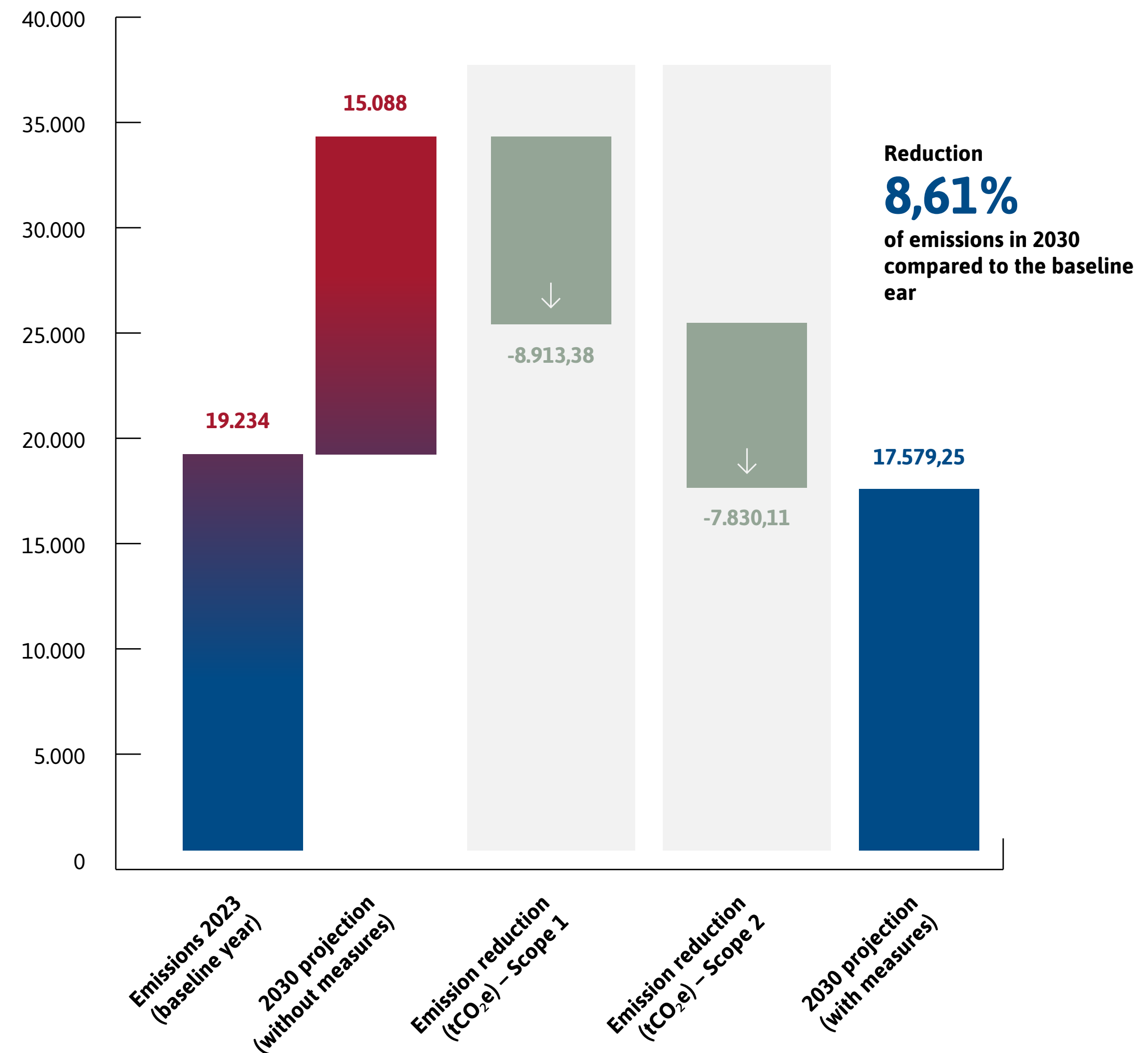
Image: The Cantabrian Sea from El Silencio beach. Asturias, Spain.

Overview of ALEASTUR Group Decarbonization Plan (Absolute Emissions)

(Scopes 1+2)

ALEASTUR Group has adopted a strong commitment to climate action and GHG mitigation. The Group is developing a **Decarbonization Plan** and has defined measures aimed at continuing to reduce emissions, enabling a significant decrease compared to the projected scenario without measures.

2023 has been designated as the baseline year. The projected reduction of **8.61%**—conditioned by strong industrial growth—does not allow us to meet the **42%** reduction target in absolute emissions established under the Paris Agreement.





4. Metrics and monitoring

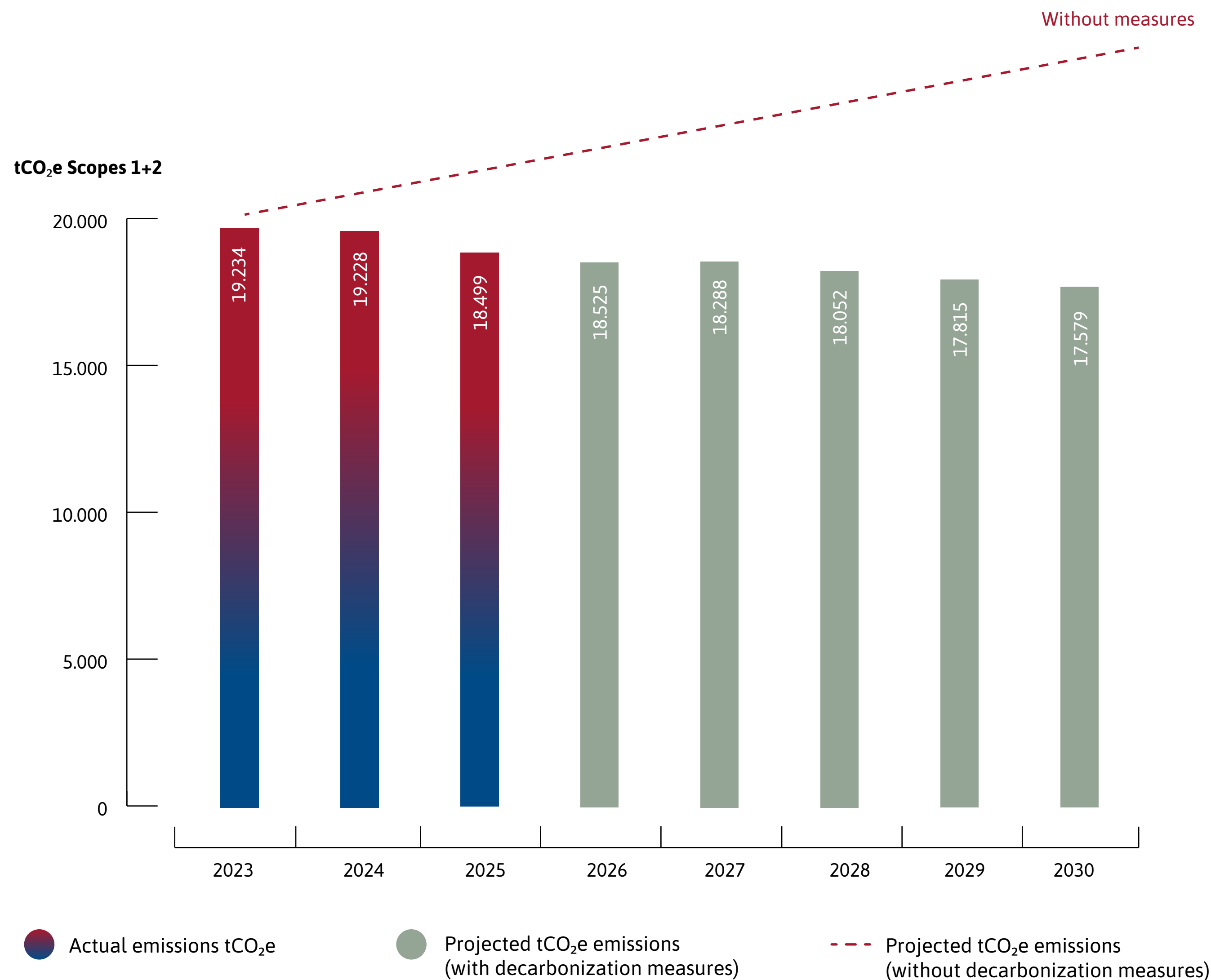
Image: Magical forest of Muniellos. Asturias, Spain.

Absolute emissions tCO₂e

(Scope 1+2)

The decarbonization trajectory projected by **ALEASTUR Group**, expressed in terms of absolute emissions in Scopes 1 and 2, compares current emissions with the reductions expected for 2030, as well as with projections in the absence of decarbonization measures, using 2023 as the baseline year.

The chart shows that in 2025 an approximate decrease of 3.83% was achieved compared to 2023 due to the implementation of decarbonization measures, following an annual reduction rate of **1.93%**.



Evolution of emissions versus total Group production (Scope 1+2)

The Strategic Plan of **ALEASTUR Group** foresees significant production growth across its four facilities, with an aggregated increase of **48.5%** between 2023 and 2030, rising from 51,398 to **76,341 tonnes**. Despite this increase in industrial activity, absolute Scope 1 and 2 emissions maintain a downward trend, decreasing by **3.83%** in 2025 compared to the baseline year, and projected to reach a cumulative reduction of **8.45%** in 2030, thanks to the decarbonization measures included in the Plan.

This behaviour demonstrates a decoupling between production growth and absolute carbon footprint: production increases steadily while emissions decrease. The impact of this effort is more clearly reflected in the evolution of emission intensities, presented on the next page.



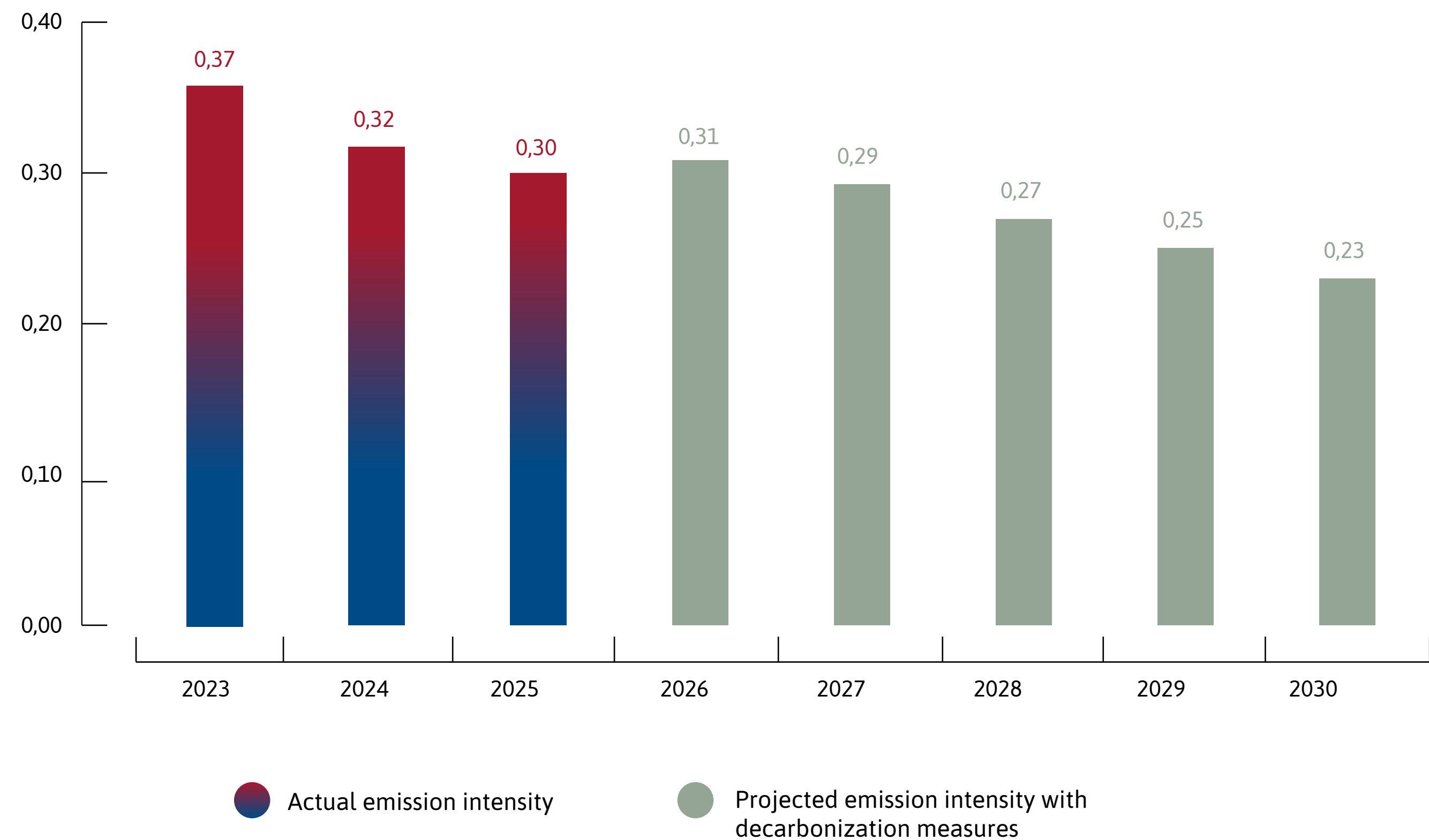
Emission intensity $\text{tCO}_2\text{e/t}_{\text{prod}}$ product

(Scope 1+2)

The decarbonization trajectory projected by **ALEASTUR Group**, expressed in terms of emission intensity in Scopes 1 and 2, compares current emissions with the reductions expected for 2030.

Using 2023 as the baseline year, the chart shows a reduction of **18.6%** achieved in 2025 and sets the objective that, by 2030, carbon intensity per tonne produced will be reduced by **38.5%**.

$\text{tCO}_2\text{e/t}_{\text{prod}}$ Scopes 1 and 2



5. Decarbonization measures

Image: View of the imposing Picu Urriellu, an icon of Asturian nature. Asturias, Spain.

The following table shows ALEASTUR Group’s initiatives, for the plants, aimed at reducing Scope 1 and 2 emissions.

Scope1	Electric furnaces	Incorporation of an electric furnace that reduces natural gas consumption and Scope 1 emissions. Being powered by electricity backed by Guarantees of Origin, it will not generate Scope 2 emissions.
	Biomethane*	Replacement of fossil natural gas with renewable biomethane in thermal and industrial processes, significantly reducing the carbon footprint under the market-based approach.
	Hydrogen*	Incorporation of hydrogen produced with renewable energy in melting furnaces, reducing emissions by up to 10% with minimal modifications to existing infrastructure.
	Liquid aluminium	The use of liquid aluminium in the melting process reduces energy consumption and associated CO ₂ emissions.
Scope2	Purchase of GOs	Purchase of Guarantees of Origin (GOs), with annual progression applied to all Group entities in Spain, aiming to reach 100% by 2030.
	Decarbonization of the electricity mix	Reduction of emissions associated with electricity consumption through progressive improvement of the company’s energy mix.
	Efficiency measures	Measures derived from regulatory audits: replacement of fixed compressors, installation of heat recovery systems, use of heat pumps in changing rooms, and incorporation of aerothermal water heaters. These actions help reduce energy consumption.

(*) Additionally, the expected evolution of Spain’s electricity mix will contribute to further reductions in Scope 2 emissions, regardless of the Group’s own measures.



6. Governance, monitoring and transparency

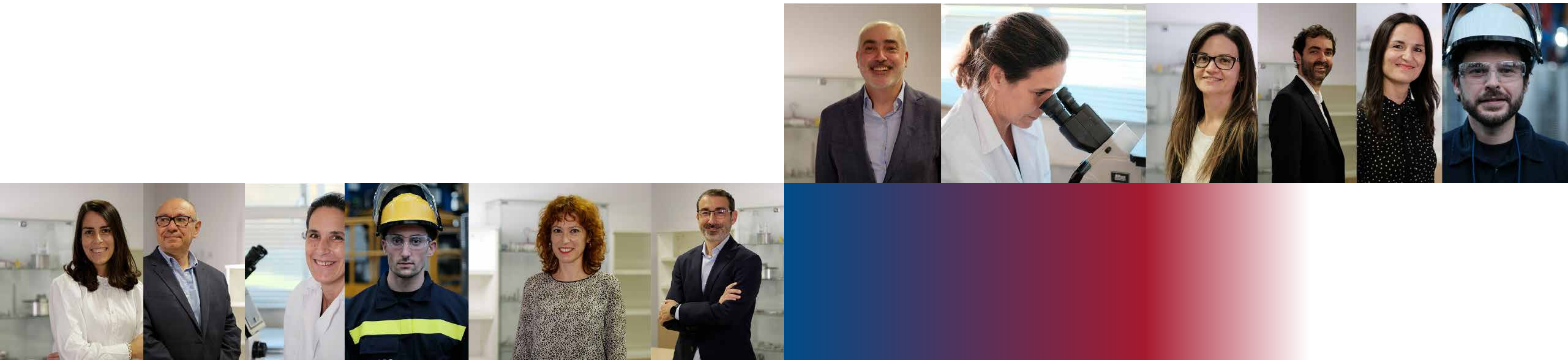
Image: Aerial view of the Lakes of Covadonga. Asturias, Spain.

Governance, monitoring and transparency

At ALEASTUR Group, we understand decarbonization as a strategic process requiring rigour, traceability, and responsible information management. Therefore, we have a system that integrates annual measurement of our emissions across all activity areas, applying recognised methodologies for our industry and ensuring reliable and comparable data.

This continuous monitoring allows us to analyse our carbon footprint in detail, identify improvement opportunities, and evaluate the effectiveness of implemented measures. In this way, we ensure that our industrial growth progresses in parallel with a progressive reduction in emission intensity, strengthening our operational efficiency and the Group's competitiveness.

Transparency is an essential principle of our way of working. We share our progress clearly and verifiably, aligned with our commitment to responsible, innovative, and environmentally engaged industry. This approach allows us to make informed decisions, anticipate challenges, and consolidate a production model aligned with climate objectives and our vocation for sustainable value creation.





www.aleasturgroup.com

