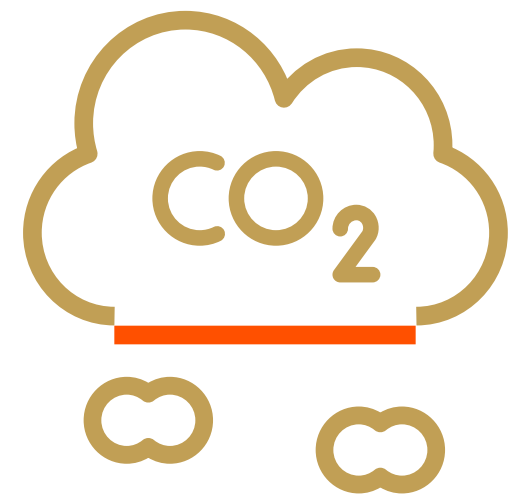
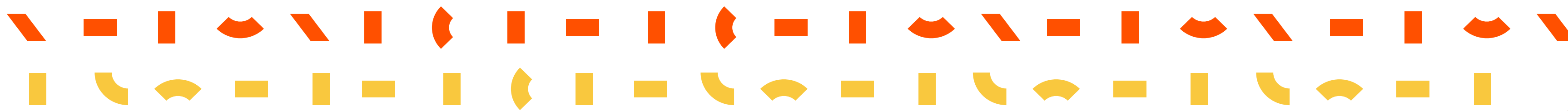




Commitment to
Decarbonization
nexa





Nexa's zinc production has **one of the lowest carbon footprints** in the industry, with an emission intensity of **0.36 tons of CO₂ equivalent*** per ton of zinc and zinc oxide sold.

Our emissions inventory adheres to the **GHG Protocol** methodology.

* Including Scopes 1 and 2.

ESG Commitments: Decarbonization



Achieve a **20% reduction** in Scope 1 emissions (**equivalent to 52,000 tons of CO₂**) by 2030, while ensuring that Nexa's energy sources remain predominantly renewable.



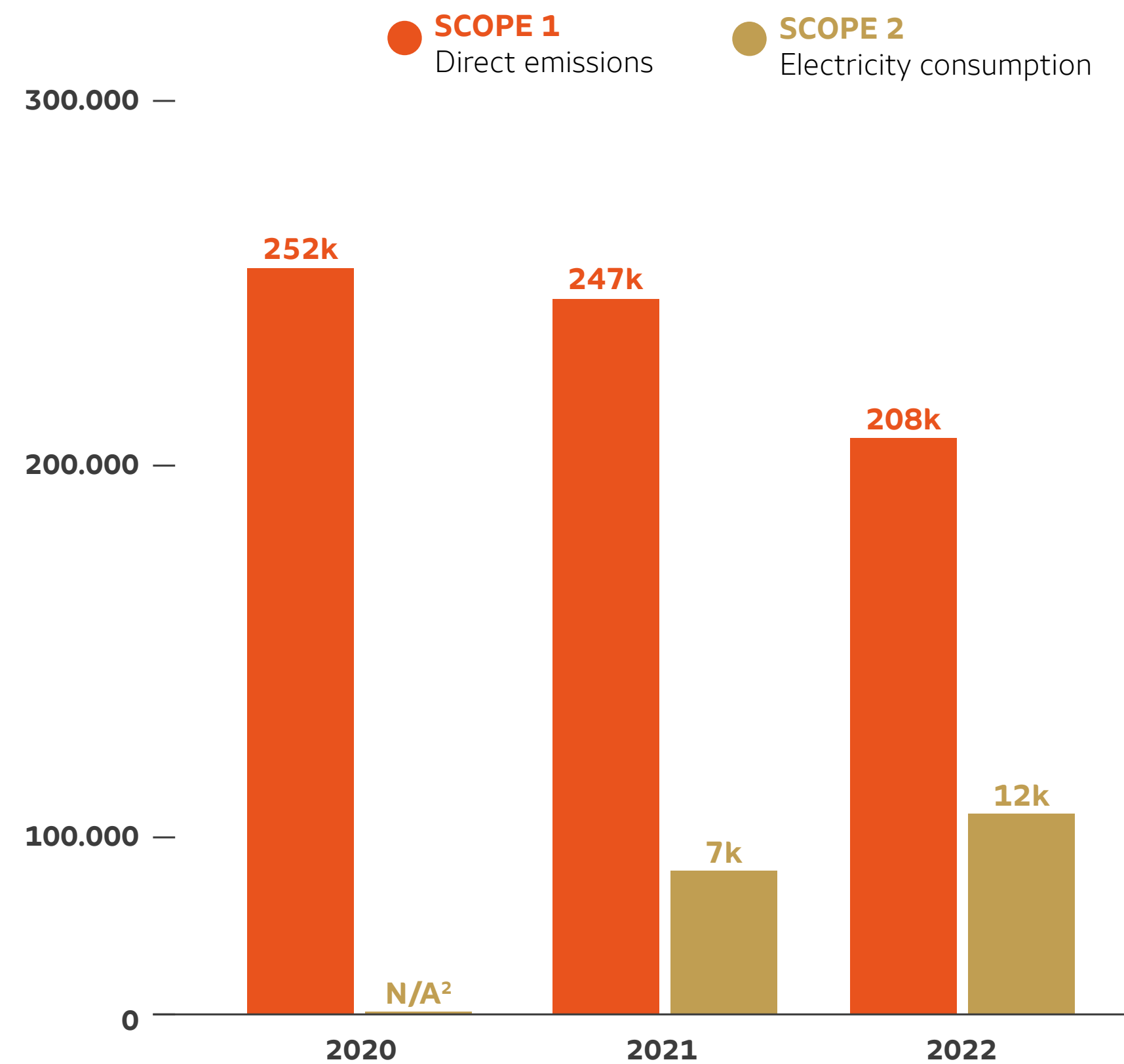
Achieve emission **neutrality by 2040.**



Achieve **net zero by 2050**, in alignment with the **Paris Agreement.**



We are **reducing our greenhouse gas (GHG) emissions** year after year¹.



How do we do this?

Renewable sources comprise **74% of our energy matrix**, playing a significant role in our sustainability efforts:

- Trade agreements for **100% renewable energy** use in Brazil and Peru.
- Use of natural gas, biomass and other renewable energy sources as alternatives to fossil fuels.

Our Scope 1 and 2 emissions are approximately **9 times lower** than the **global zinc industry average**³.

¹ The increase in Scope 2 is due to the inclusion of our new Aripuanã mine in Brazil.

² Data is not comparable due to a change in calculation methodology to the 'purchase choice approach'.

³ Global average of the combined Scope 1 and 2 emissions, based on an analysis conducted in 2021 by Skarn Associates.



Transparency

In line with our commitment to decarbonization, we log our carbon emissions on “**LMEpassport**”, a platform by the **London Metal Exchange** that promotes sustainability and transparency in the base metals industry.



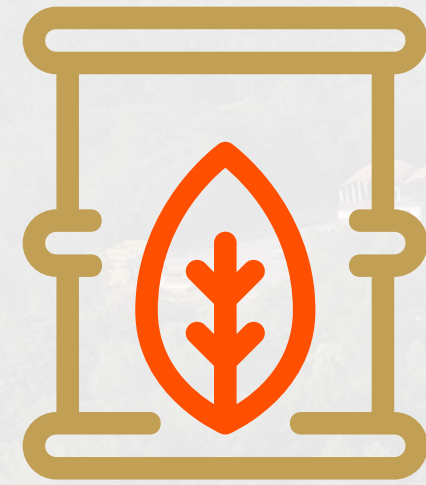
Continuous Improvement

We are participating in discussions with the **International Zinc Association (IZA)** regarding the development of industry guidelines, with the aim to standardize pertinent categories in Scope 3 once established.





Main Initiatives



Bio-oil in Zinc Oxide Furnace

- ✓ Nexa is the **pioneer in using renewable bio-oil** for zinc oxide production.
- ✓ This new biofuel emits no CO₂ and serves as a replacement for fossil fuels.
- ✓ We currently operate **3 zinc oxide furnaces, with plans to scale to 12** by the end of 2023.
- ✓ In the subsequent 3 years, we anticipate all furnaces at Três Marias will run on bio-oil, aiming for a GHG emissions **reduction of up 30% in this smelter.**

Main Initiatives



Hydrogen (H₂)

- ✓ This initiative enables the partial substitution of diesel with hydrogen, marking a preliminary first step toward GHG reduction in both Nexa's and our suppliers' vehicles.
- ✓ We conducted tests with this technology in 2021 and 2022, and given the positive outcomes, we are transitioning to a **long-term contract**.



Main Initiatives



Waelz Kiln Decarbonization

- ✓ The goal is to substitute petroleum coke with a solid fuel derived from vegetable coal and bio-oil.
- ✓ Ongoing industrial testing in 2023.
- ✓ The initiative, at the Juiz de Fora smelter, is projected to result in a CO₂ equivalent reduction of **25,000 tons** per year.

The logo for Nexa, featuring the word "nexa" in a bold, lowercase, sans-serif font. The letters 'n', 'e', and 'a' are white, while the letters 'x' and 'a' have an orange horizontal bar at their base. The background is dark grey with a large orange curved shape on the left and a yellow triangular shape on the bottom right.

nexa

Mining that changes with the world