



GRÄNGES

Sustainability Overview



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Gränges Americas Inc.

If everyone on Earth lived like the average person in the United States...



... we would need the equivalent of 5 Earths.



We only have one.



78% of people around the world believe Earth is warming at an unprecedented rate AND it is caused by HUMAN activity.



Middle East



Set a new high temperature record of **137° F** (58.5° C) based on 38 weather stations.



Green House Effect



93% of the
extra heat
trapped by
manmade
global warming
goes into the
ocean

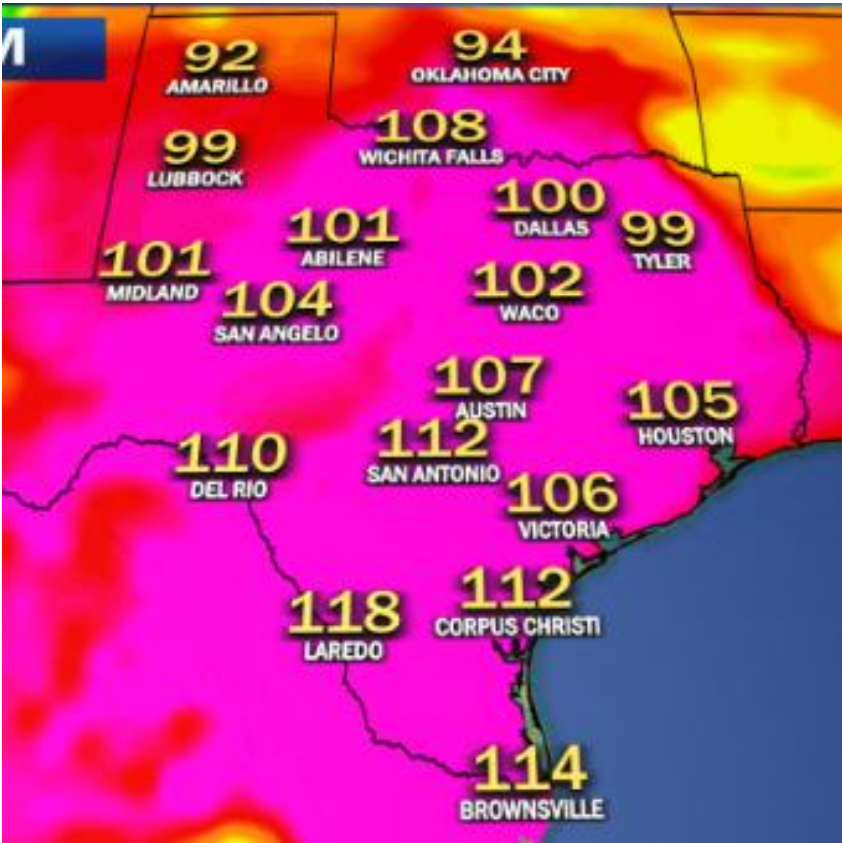
Signs Of Climate Change Is Compelling



Extreme Events Are Increasing



Global Temperature Is Rising



The Ocean Is Getting Warmer



85% of people want to hear what companies are doing to address sustainability and climate change



Who are we and what are we doing about it?





Gränges is a global leader in aluminium



creating circular and sustainable aluminum
solutions



together with our suppliers and customers



...for a better future.



Gränges offers circular and sustainable aluminium solutions



Responsible
sourcing &
produced



Committed to climate neutrality

Low-carbon
products



Creating circular business models



Driving real sustainability action



Sustainability is critical to future-proofing business

- Consumers demand it
- Customers want transparency and traceability
- Regulatory groups mandate it
- Employees seek out sustainability ambition
- Future generations depend on it

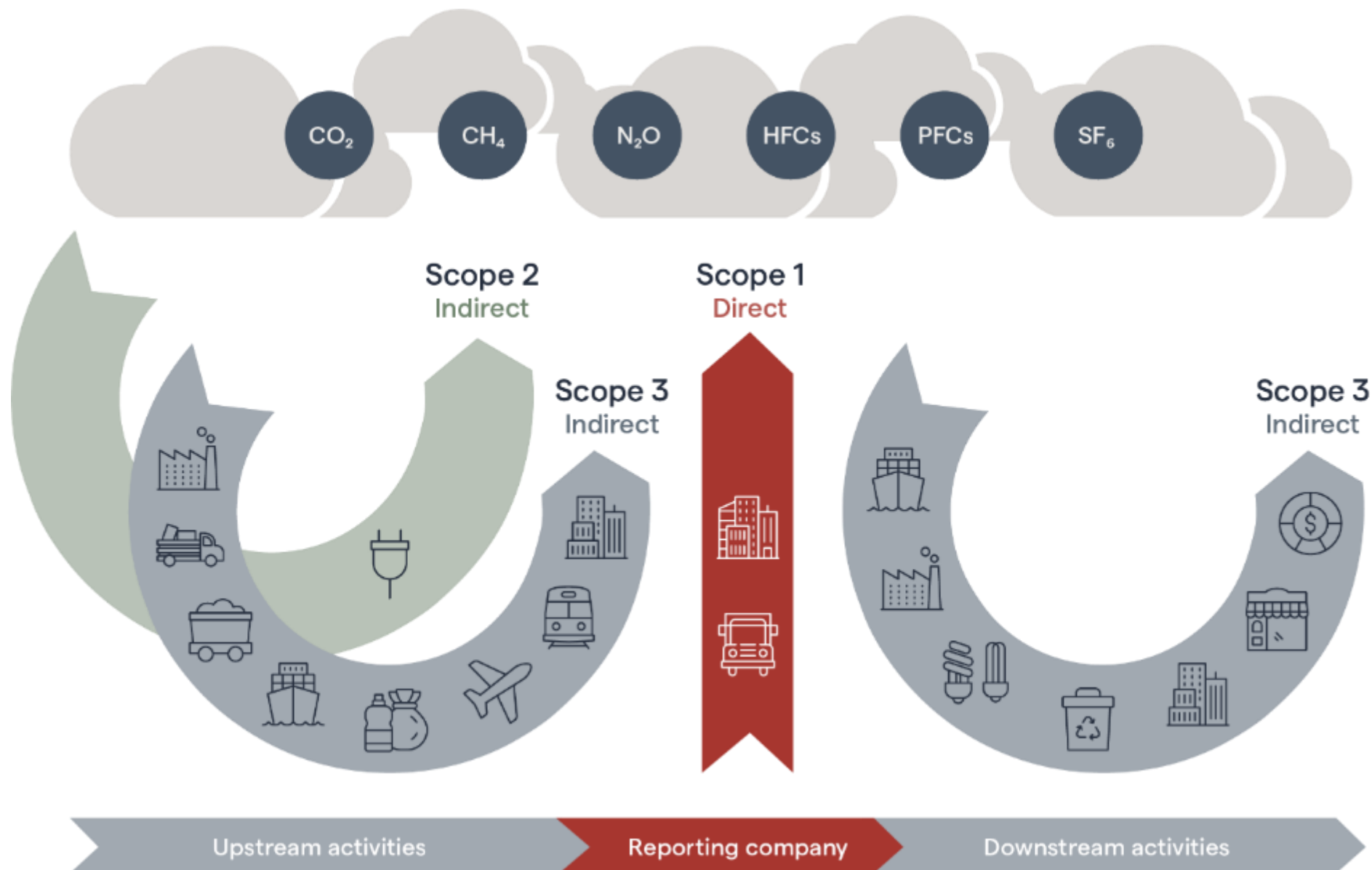


Committed to Climate Neutrality

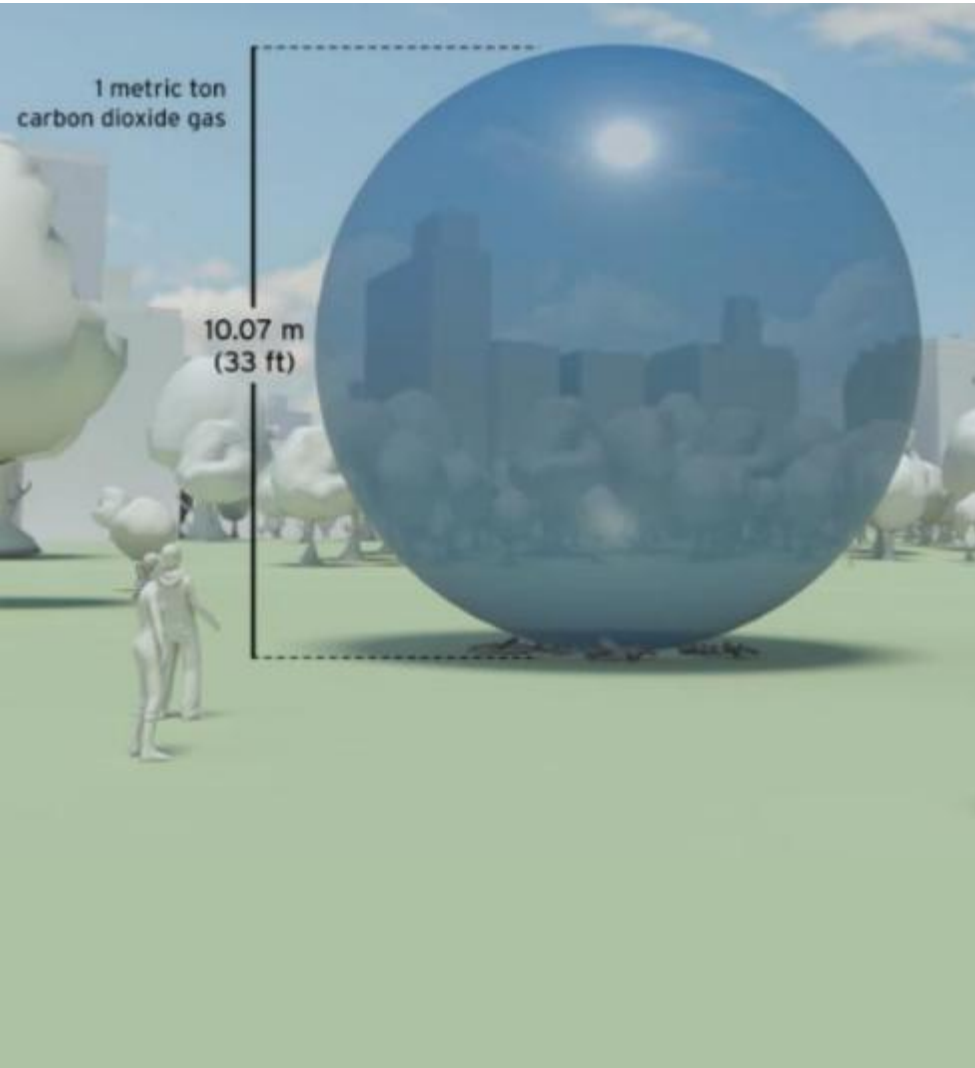
By 2030,
globally
to reduce
emissions by
60% vs 2017



Capturing full cradle to gate emissions

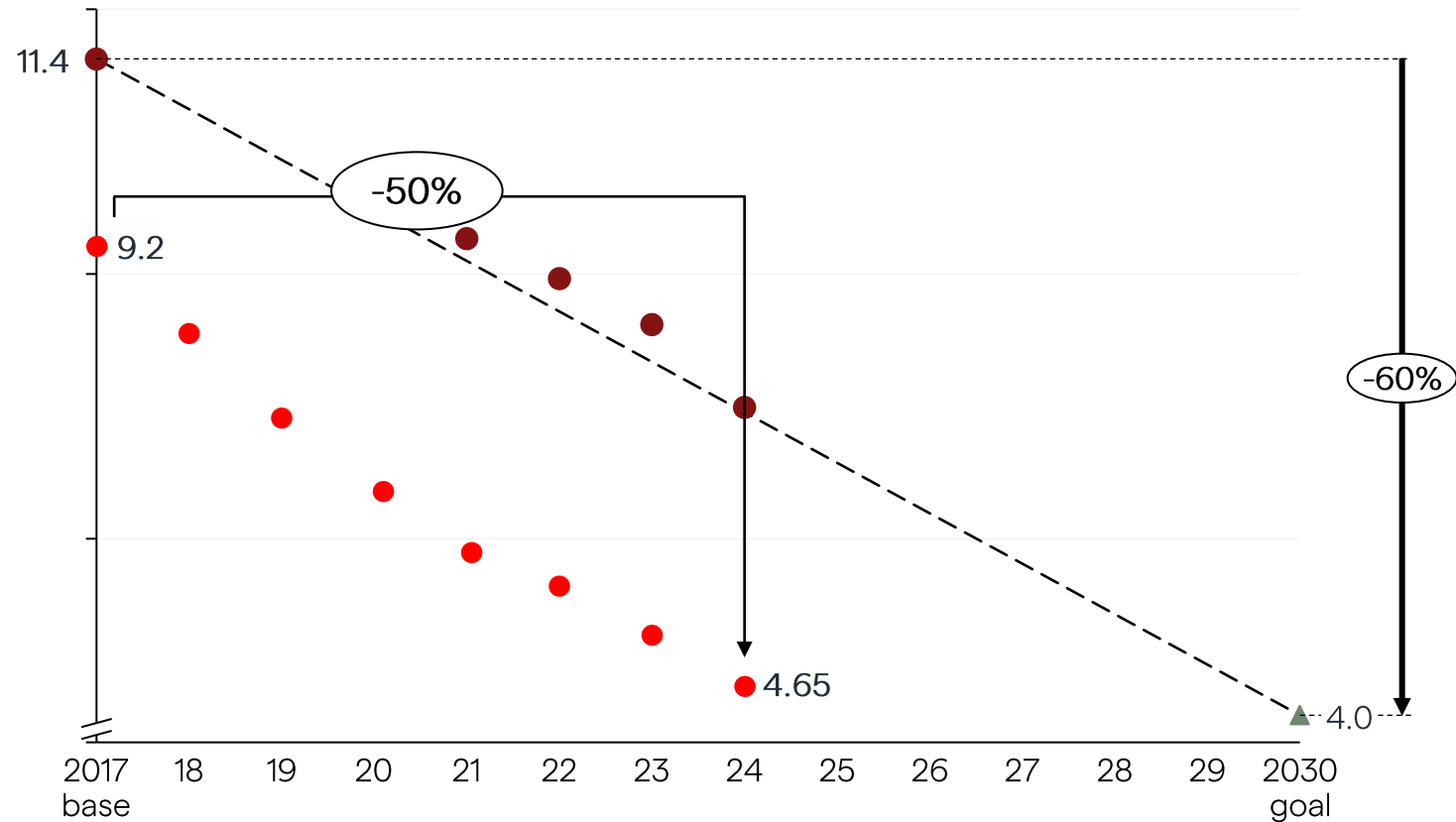


Carbon Dioxide Gas – largest GHG



Regionally almost at 2030 climate goal

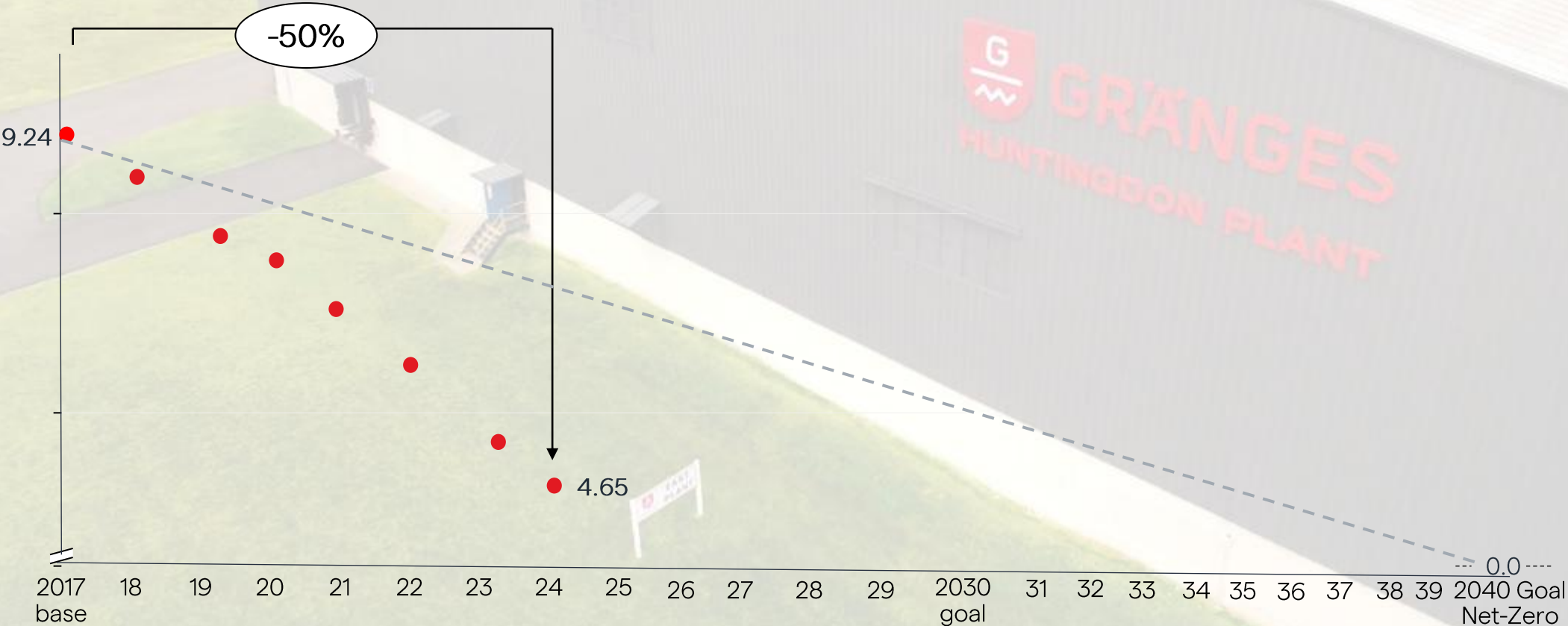
Carbon intensity, tonnes CO₂e/tonne



2040 Net-Zero goal be difficult to achieve alone



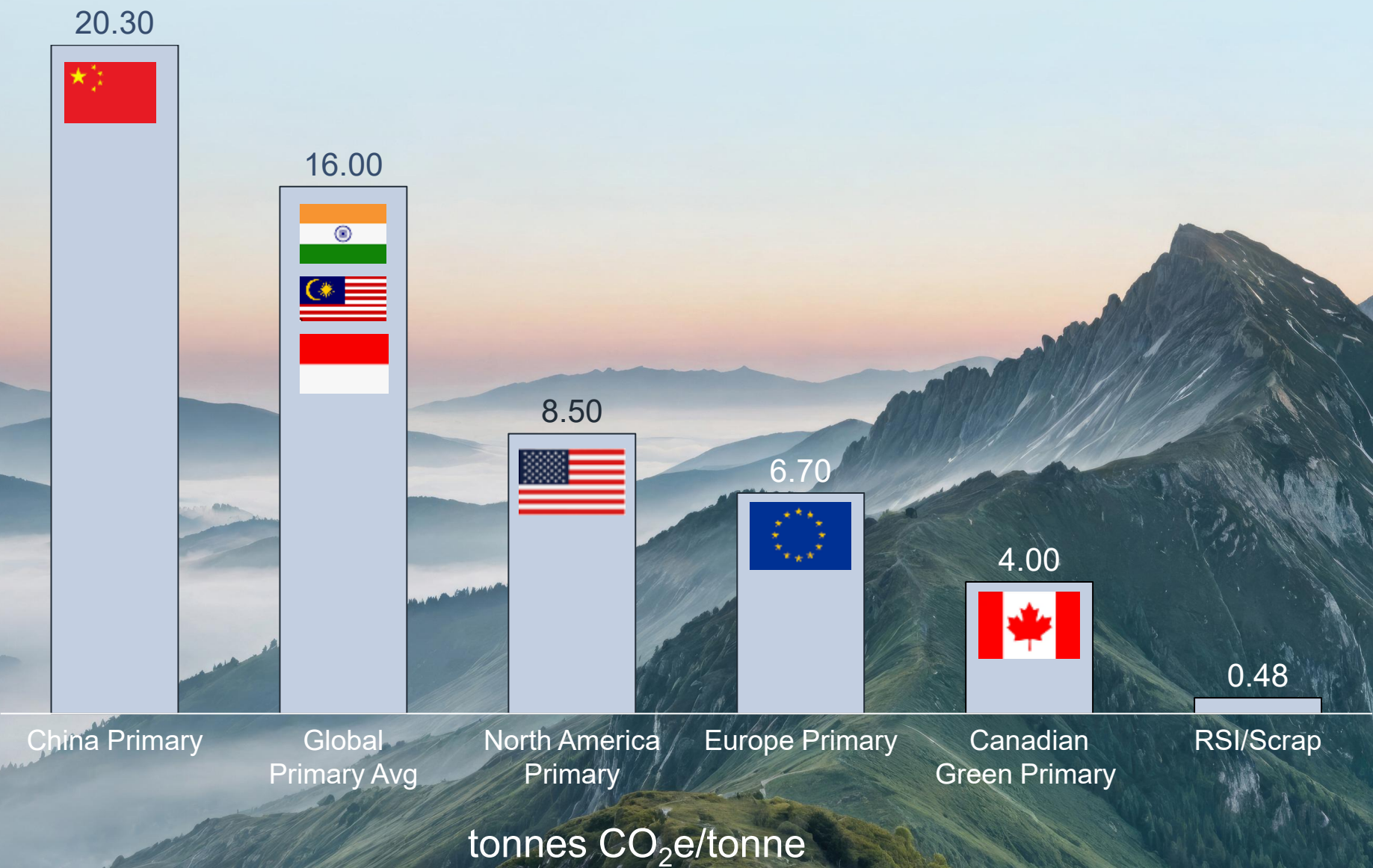
Carbon intensity, tonnes CO₂e/tonne



Recycled aluminum uses only 5% of the energy
vs primary aluminum



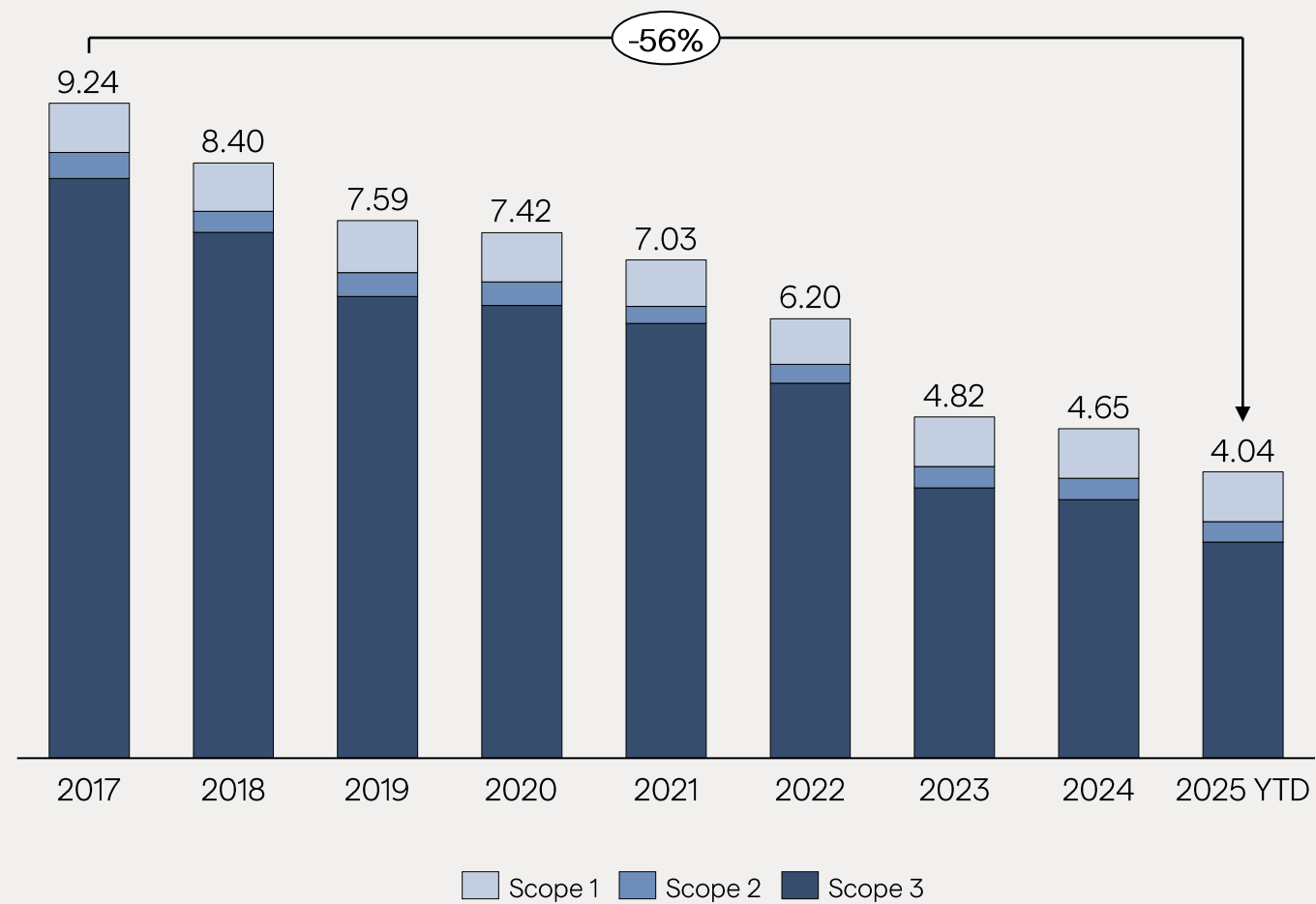
Global Aluminum Carbon Footprints



Record Reduction in Emissions!



Tonnes CO₂e/tonne



In just one year we
removed 428,314 metric
tons of carbon from the
atmosphere.

That's the equivalent of
driving 993,095,296 miles!





Gränges is a member of the UN Climate Compact

By adhering to the Global Compact, Gränges supports and commits to operate in accordance with all the principals including Climate Week.



**Business, united,
can be a powerful
force for good.**

Sanda Ojiambo
CEO & Executive Director
UN Global Compact



Invested \$33M to expand recycling and casting capacity

Gränges Americas expanded its recycling and casting operations in Huntingdon inaugurated 2023.

This has enabled increased recycling capacity and a lower Scope 3 carbon footprint due to decrease need of primary aluminum in certain alloys.



Recycled Aluminum

The carbon footprint of recycled aluminium is as little as 5% of primary aluminium production!

Aluminum recycling can cut **carbon emissions by up to 95%** because the production of new aluminum generates a significant amount of CO₂.

By using recycled aluminum, it reduces the demand for energy-intensive processes involved in mining, refining, and smelting.

Low Carbon Primary Aluminum

Gränges Americas has committed to lowering its Scope 3 emissions by investing in the purchase of low carbon from primary producers.

The primary aluminum sourced with hydro power carries the footprint of roughly half the North American average per ton as stated by the Aluminum Association.



Near – Zero casting and recycling center enables near-zero aluminium

Gränges invested USD 52 million to expand its recycling and casting operations in Huntingdon, Tennessee.

The investment will enable a market launch of near-zero carbon aluminium solutions to meet the growing demand for sustainable products.

The new center will be powered via 100% renewable electricity.

An aerial photograph of a solar farm. Rows of blue solar panels are installed in a green field. The panels are arranged in long, parallel rows, and their shadows are cast onto the grass. In the background, there are dark, tilled agricultural fields and some trees. A bright beam of light from the sun is visible in the upper right corner. The Gränges logo is in the top right corner.

100% Renewable Electricity in Newport

The site is thereby Gränges' first of 3 US production facilities to reach 100% renewable electricity.

Investing in renewable energy is a strategic priority for Gränges since it reduces the carbon footprint from own operations (scope 1+2) and enhances its capability to produce sustainable products.



Closed loop of customers' pre-consumer scrap

Gränges Americas forms a scrap partnership to supply post-consumer HVAC scrap to the Huntingdon site in Tennessee.

This is the first-ever post-consumer scrap supply into Gränges Americas Inc. and further shows the importance of end-of-life recycling and circularity.

Long-term partnership with Scepter Inc. increases scrap supply

Partnership to process dross (waste) and externally sourced scrap.

This will supply the recycling and casting centre in Huntingdon, Tennessee.

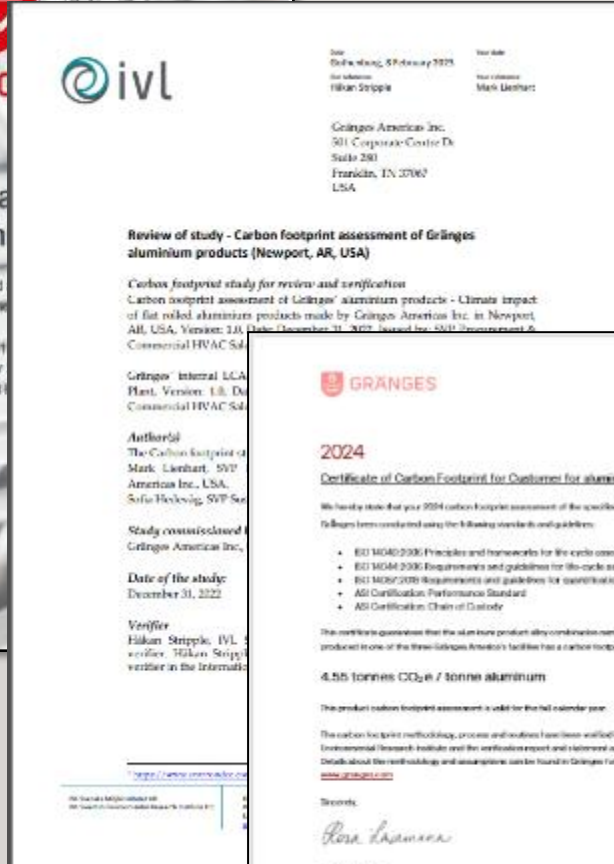
Secure supply of recycled scrap-based aluminium ingots for its production of near-zero aluminium solutions for the next 10 years.



Certified Carbon Footprints

Gränges can offer third-party verified carbon footprints for 100% of its products worldwide.

This has been achieved through the implementation of internal life-cycle assessment and carbon footprint tools at all production facilities.



External sustainability and ESG ratings



Certified

All sites globally

Benchmark:
Aluminium industry



Gold

Top **5%**

Benchmark:
Manufacture of basic
precious and other non-
ferrous metals



Medium risk

Top **7%**

Benchmark:
Aluminium industry



AA

Top **11%**

Benchmark:
Metals and Mining
– Non-Precious Metals



A-

—

Benchmark:
Not available



45% of consumers want to be seen as someone
who buys eco-friendly products



In an ever-changing world, aluminum remains
a resources that touches our lives every day.



What better options are out there?

→ Low carbon footprint

→ % of Recycled content

→ Third-party verified



Granges
Endure



CIRCULAR

$\geq 50\%$

Recycled aluminium

Granges
Endure



LOW-CARBON

≤ 4.0

tonnes CO₂e / tonne

We write the future
with the choices we
make today.





Thank You



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