

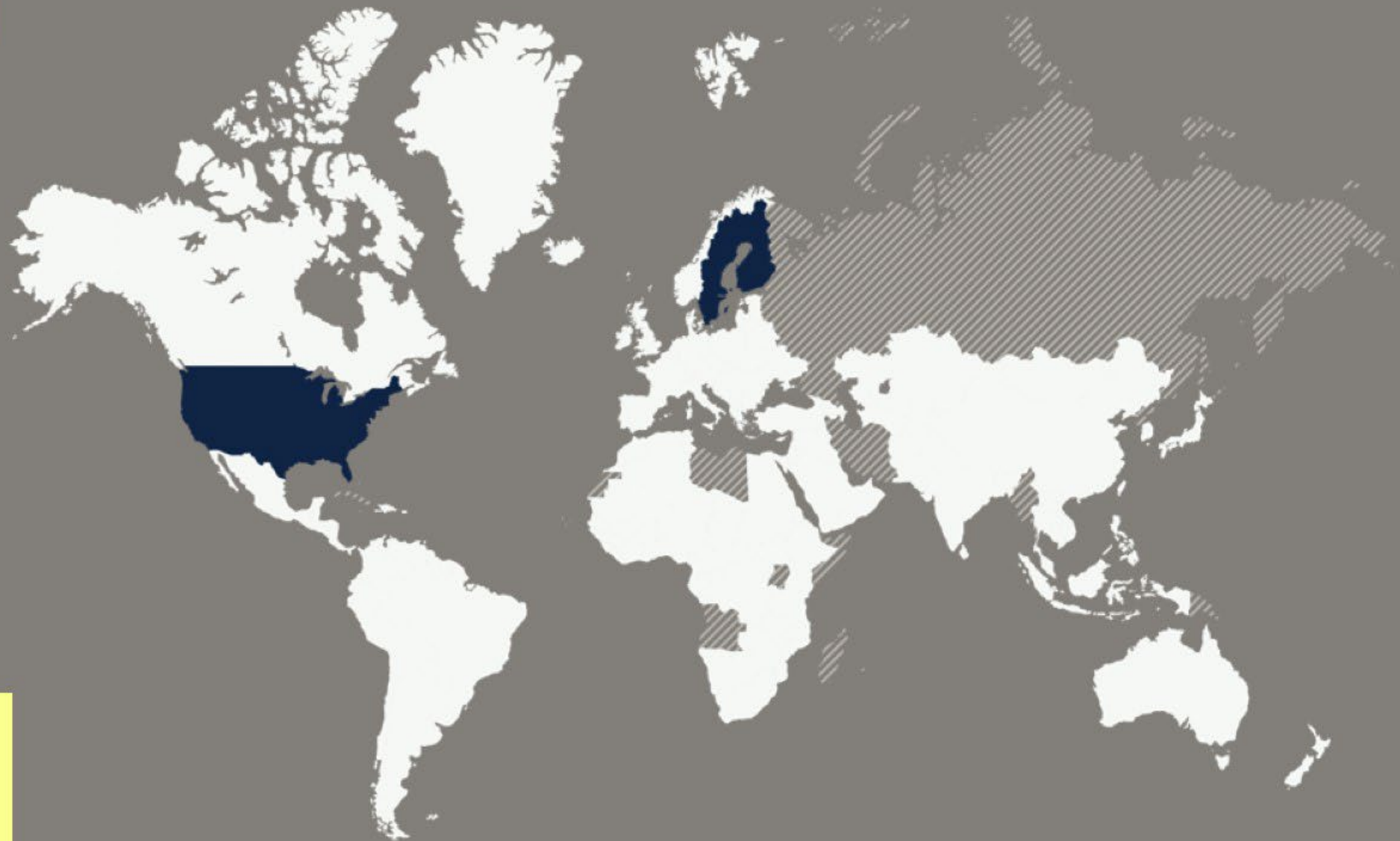
Towards a fossil-free future

Steel Presentation

SSAB

Strong global and local presence

Leading home market
positions in the Nordics
and the USA



Did you know?

SSAB has global sales coverage
in more than 50 countries and
customers in 150 countries

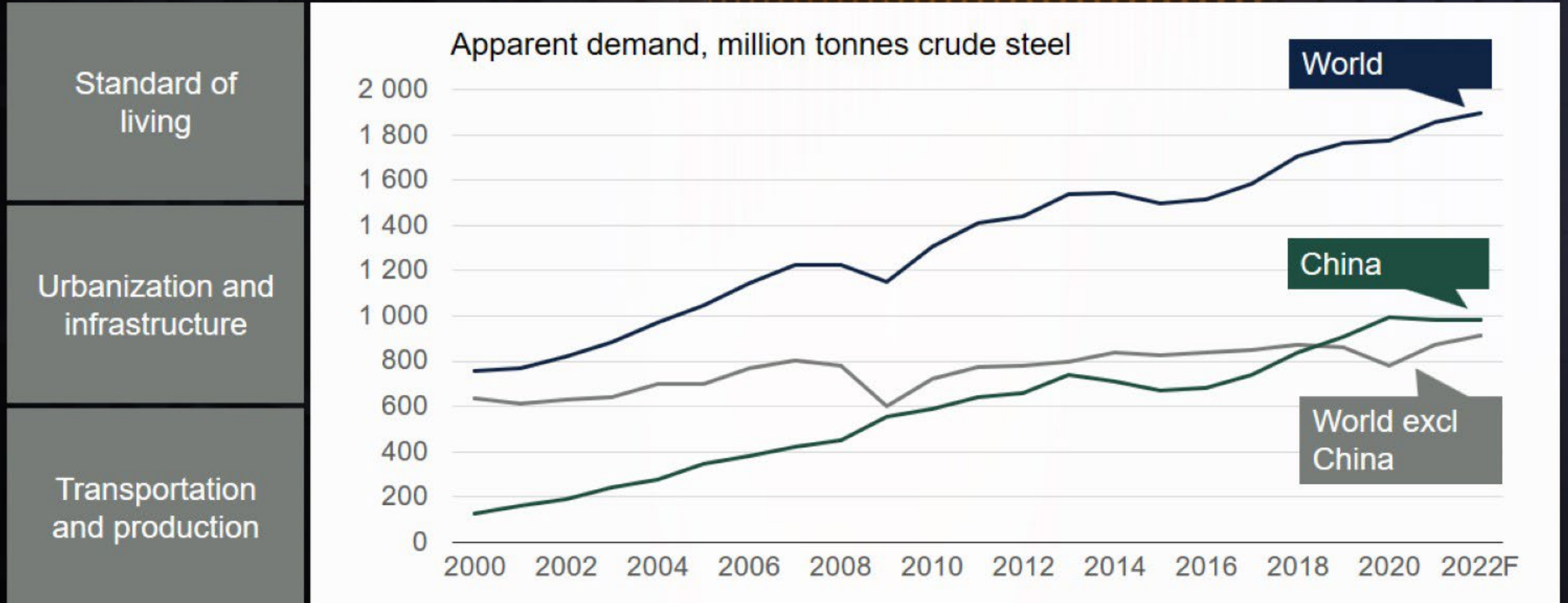


Global drivers

**CLIMATE CHANGE
POPULATION GROWTH AND STANDARD OF LIVING
URBANISATION AND RESOURCE SCARCITY**

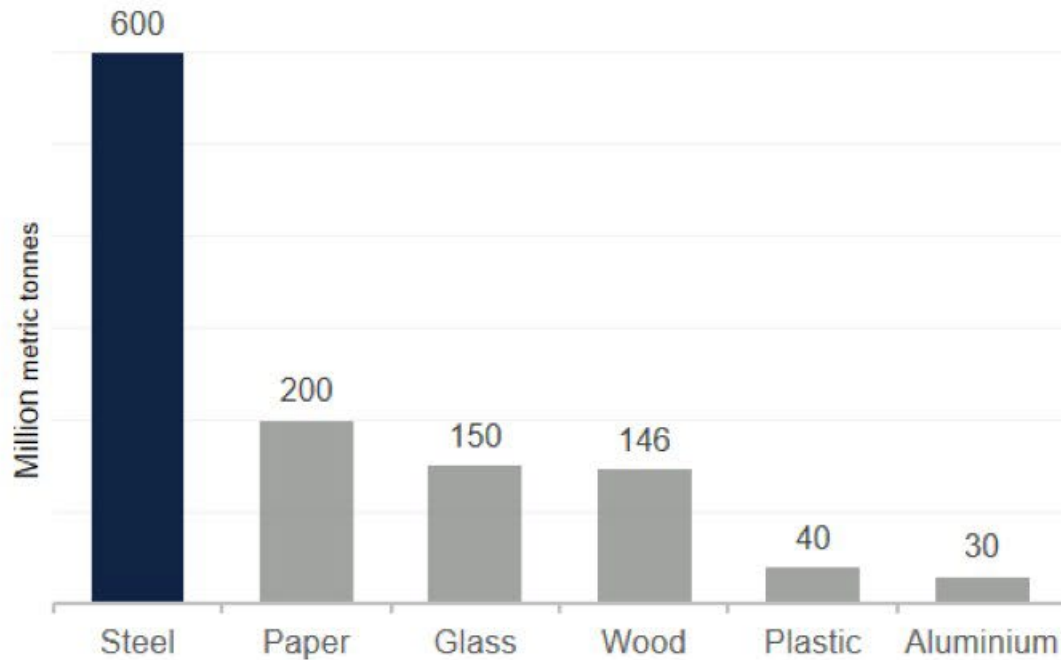
SSAB

Steel consumption is increasing

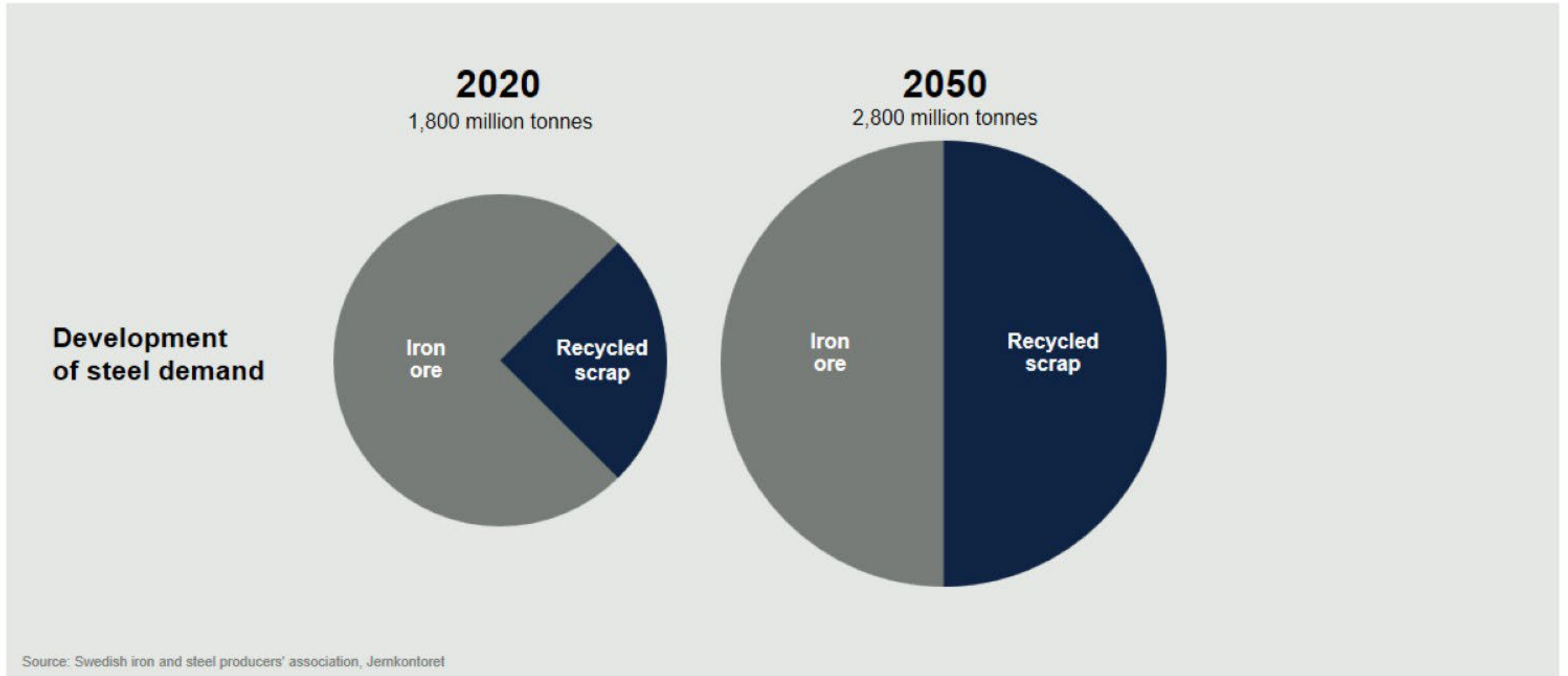


Steel is the world's most circular material

Amount of materials recycled globally



The future needs both iron ore and recycled scrap



Paving the way for a greener future

Our steels

1

Deliver decarbonized steel to the market

Premium steel without any fossil CO₂ emissions

- No CO₂ emissions from production and purchased energy
- Using both scrap and iron ore as raw material

Our company

2

Leading the green transition

Largely eliminate CO₂ emissions from all SSAB operations in around 2030

- Almost no CO₂ emissions from operations and purchased energy
- Using both scrap and iron ore as raw material

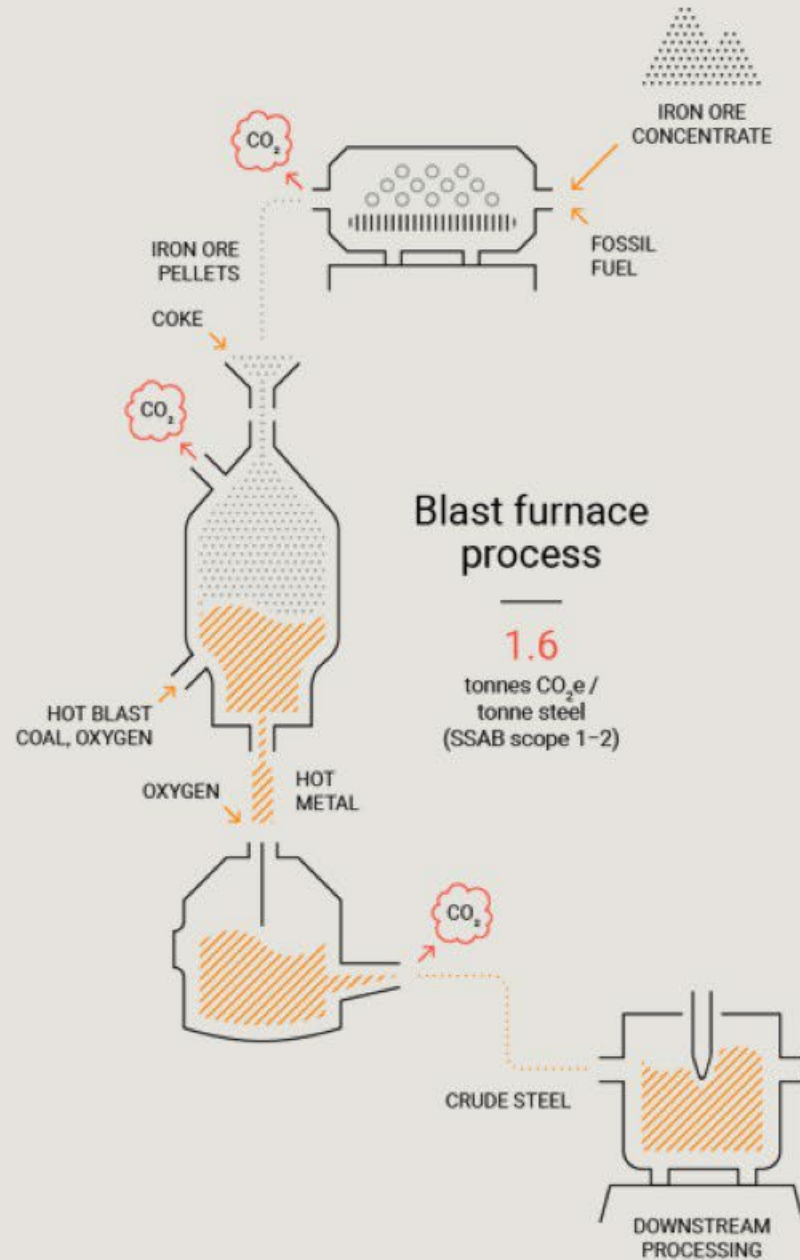
Technology for the future



SSAB

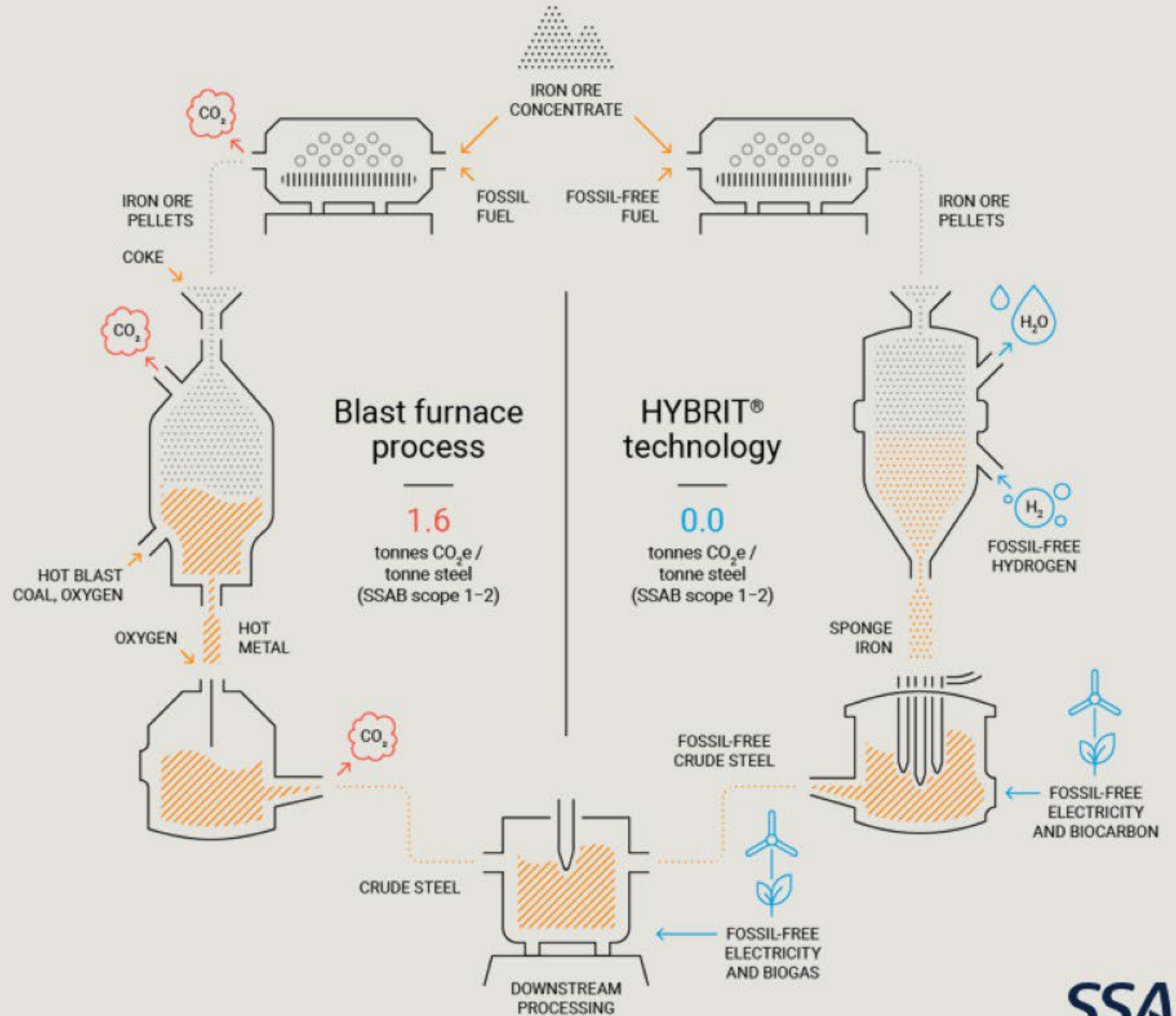
Traditional blast furnace process

Accounts for more than 90% of CO₂ emissions from SSAB.



HYBRIT[®] technology

Breakthrough technology
emitting only water instead of
CO₂ during the steel production
process.



SSAB

The world's first fossil-free steel



The HYBRIT pilot plant in Luleå, Sweden was inaugurated in 2020.



On August 18, 2021, Swedish Minister for Business, Industry and Innovation Ibrahim Baylan signs the world's first fossil-free plate, together with the CEOs of the three HYBRIT Development owner companies.

SSAB

World's first commercial fossil-free sponge iron

Integration with iron pellet
making

- Transportation and logistics
- Electricity supply and
energy optimization



Gällivare
production plant

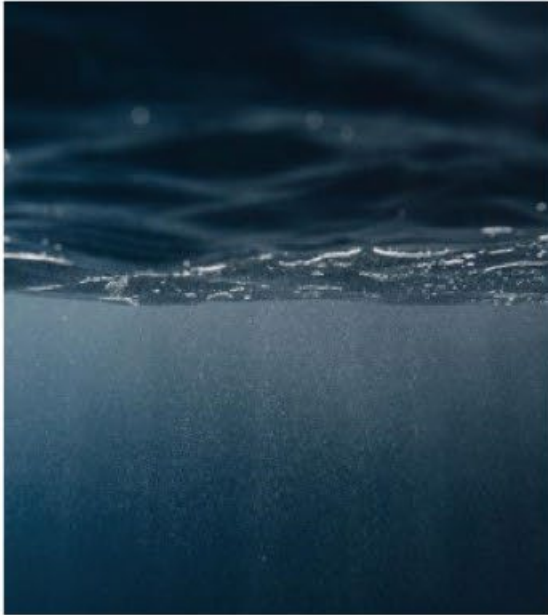
❗ Did you know?

Capacity of 1.3 million tonnes
of fossil-free sponge iron

Creating a fossil-free value chain

Electricity from Vattenfall

Supplying SSAB with electricity from fossil-free energy sources



Iron ore and pellets from LKAB

Fully fossil-free sponge iron production from mine to iron



Steel from SSAB

Production of fossil-free steel based on HYBRIT® technology

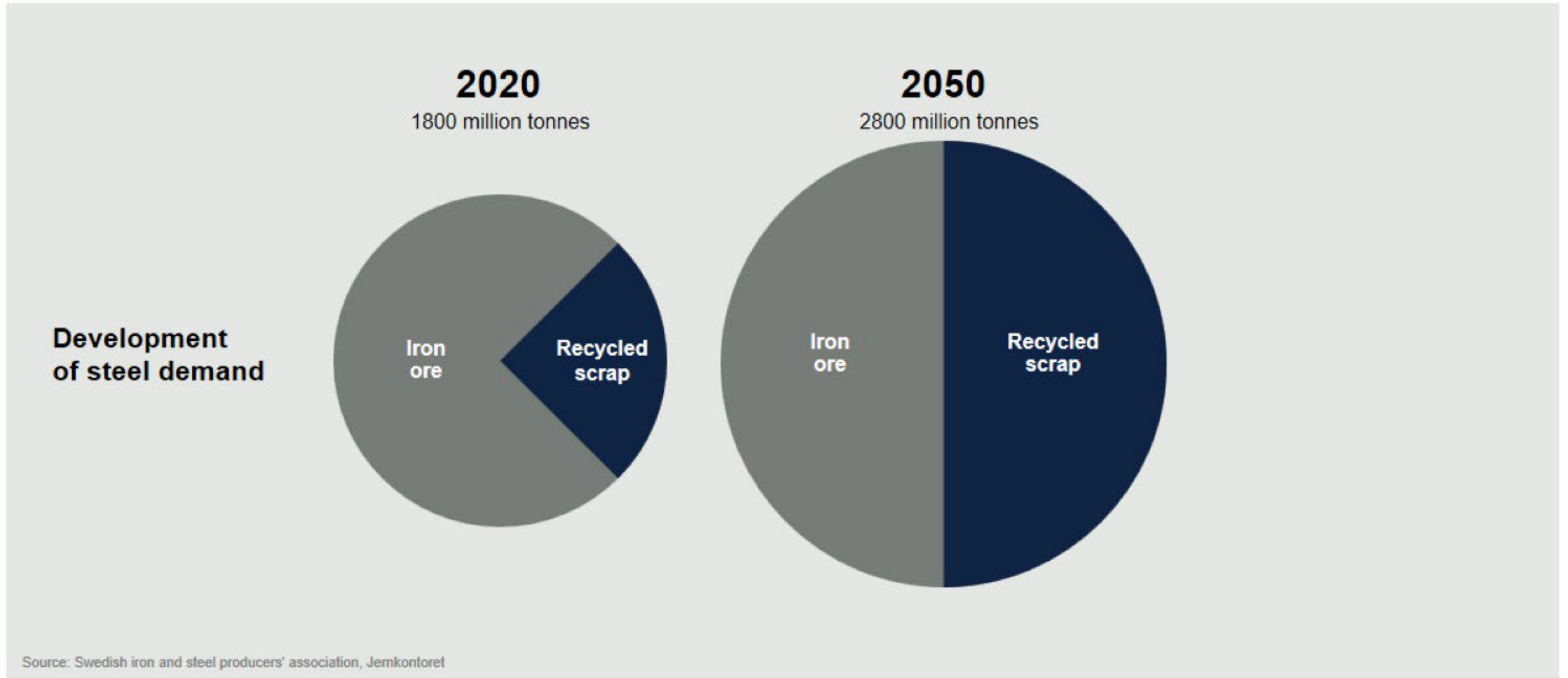


Products

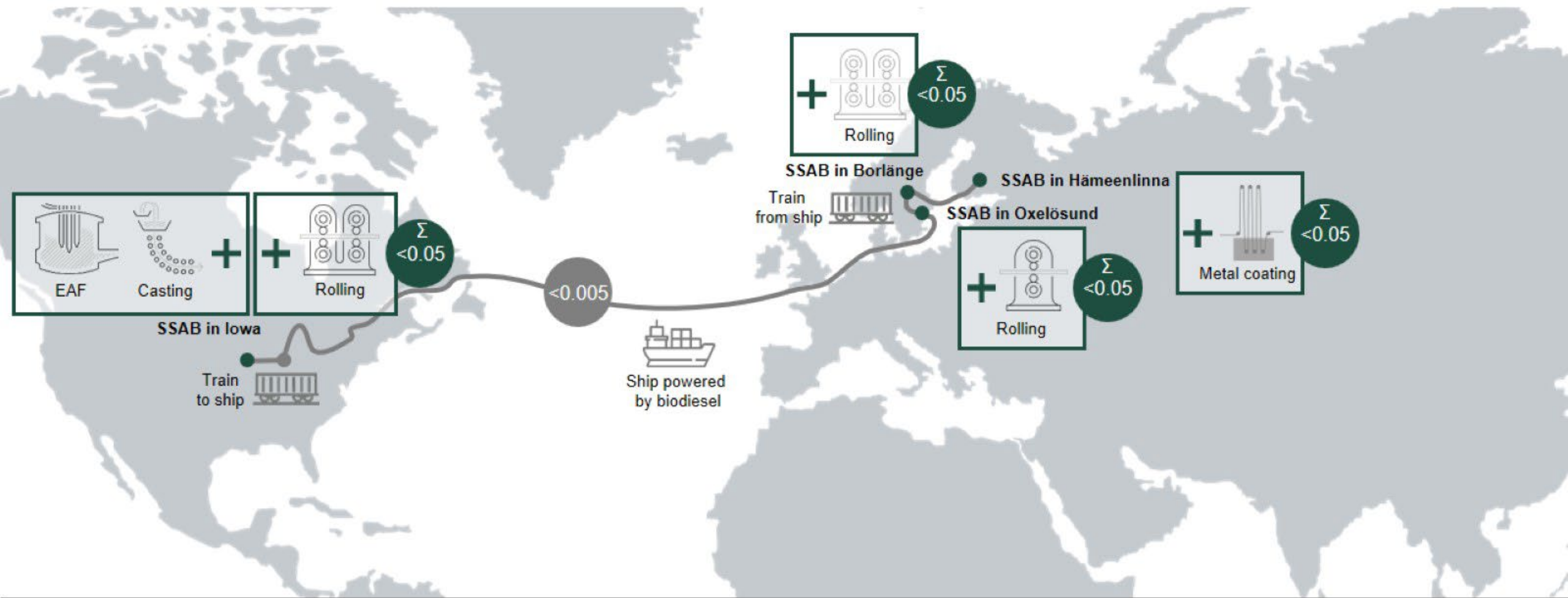


SSAB

We also need to produce scrap-based steel with no fossil carbon emissions



Cross Atlantic production of SSAB Zero™



Total accumulated product carbon dioxide emissions in scope 1 and 2 (tonne CO₂e per tonne steel product incl. transportation, target)



Total transportation carbon dioxide emissions (tonne CO₂e per tonne steel product, target)

SSAB

The SSAB Zero™ steel

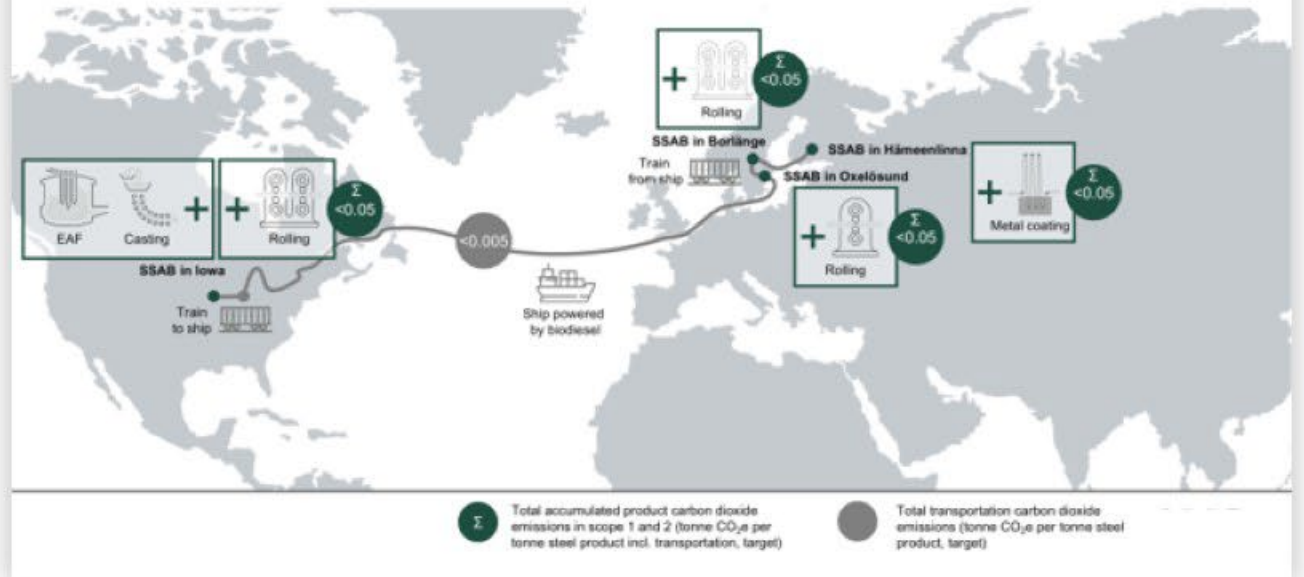
SSAB Zero™ is made using recycled steel and fossil-free energy

Or to be specific:

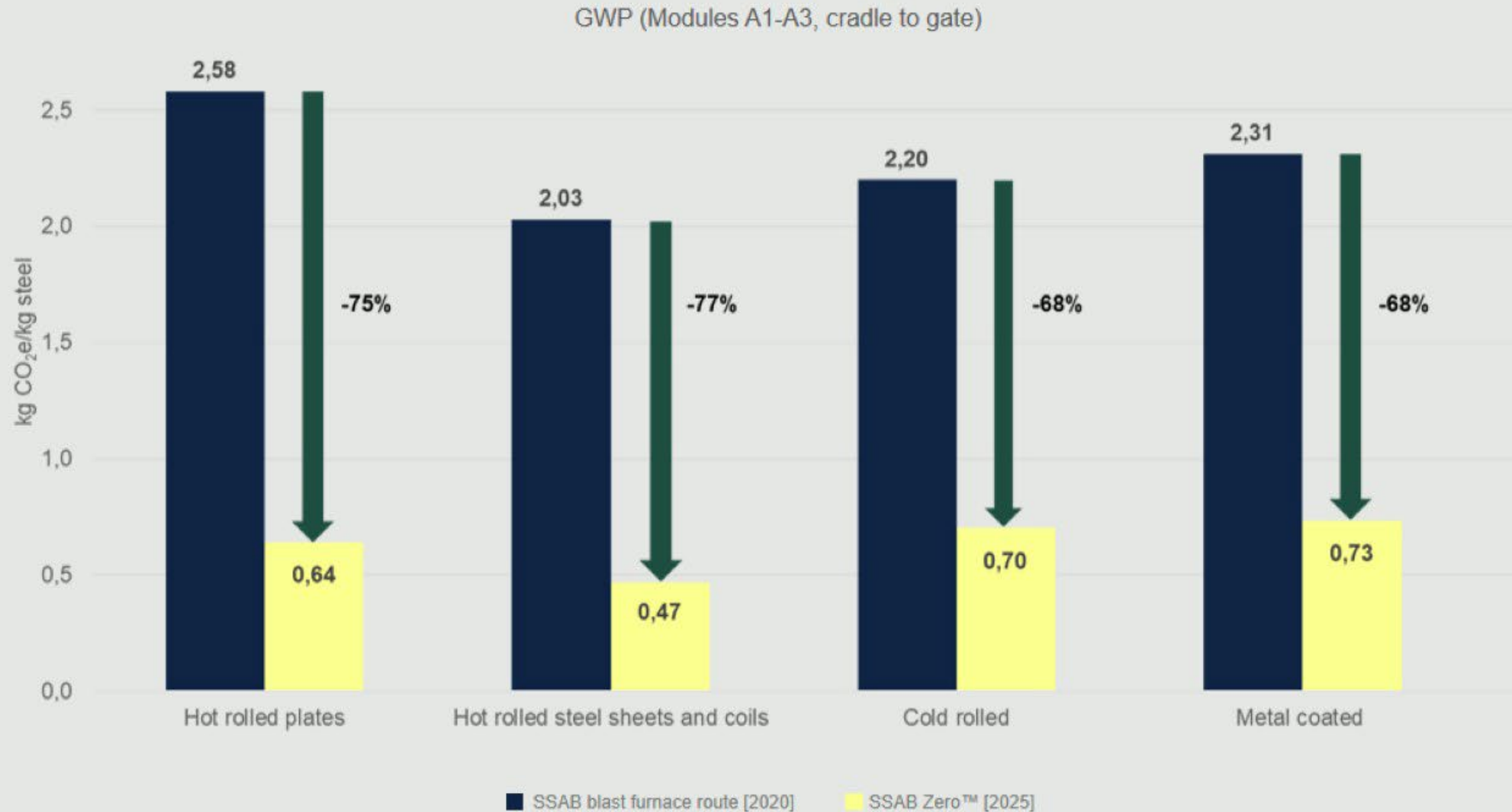
The fossil carbon emissions in SSAB's production of SSAB Zero™ are less than 0.05 kg CO₂e/kg steel in Scope 1 and 2 of the GHG Protocol.



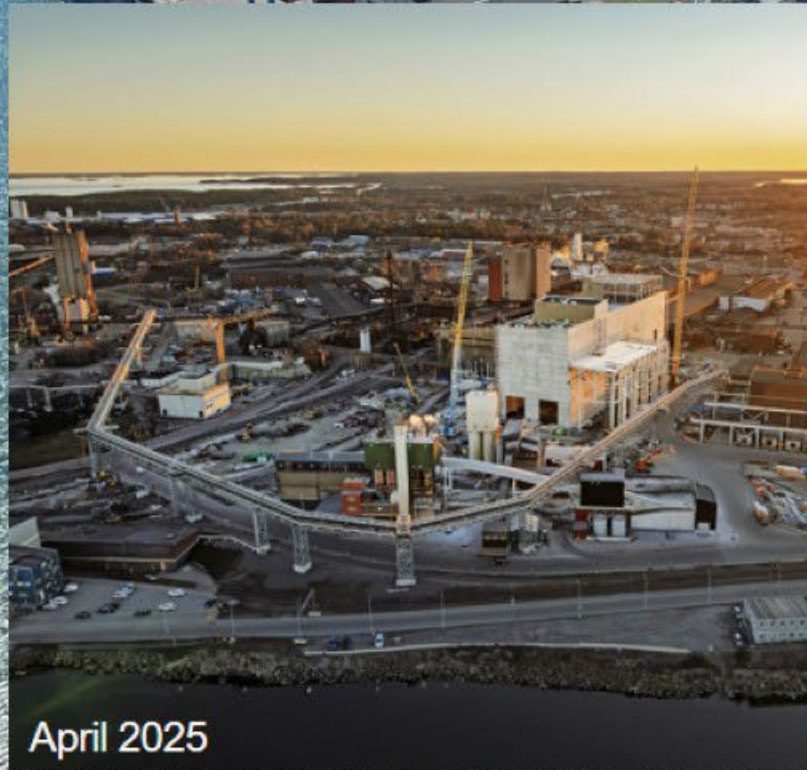
Cross Atlantic production of SSAB Zero™



Significant reduction in carbon footprint



New EAF in Oxelösund



April 2025

- Going into production in 2026
- Closing down the coking plant and two blast furnaces
- New infrastructure for biofuels
- Expansion of scrap handling and efficient material logistics
- Rolling mill and Q&T lines remain
- Large site, ability to run new and old production system in parallel during transition



New mini-mill in Luleå

Going into production in 2028

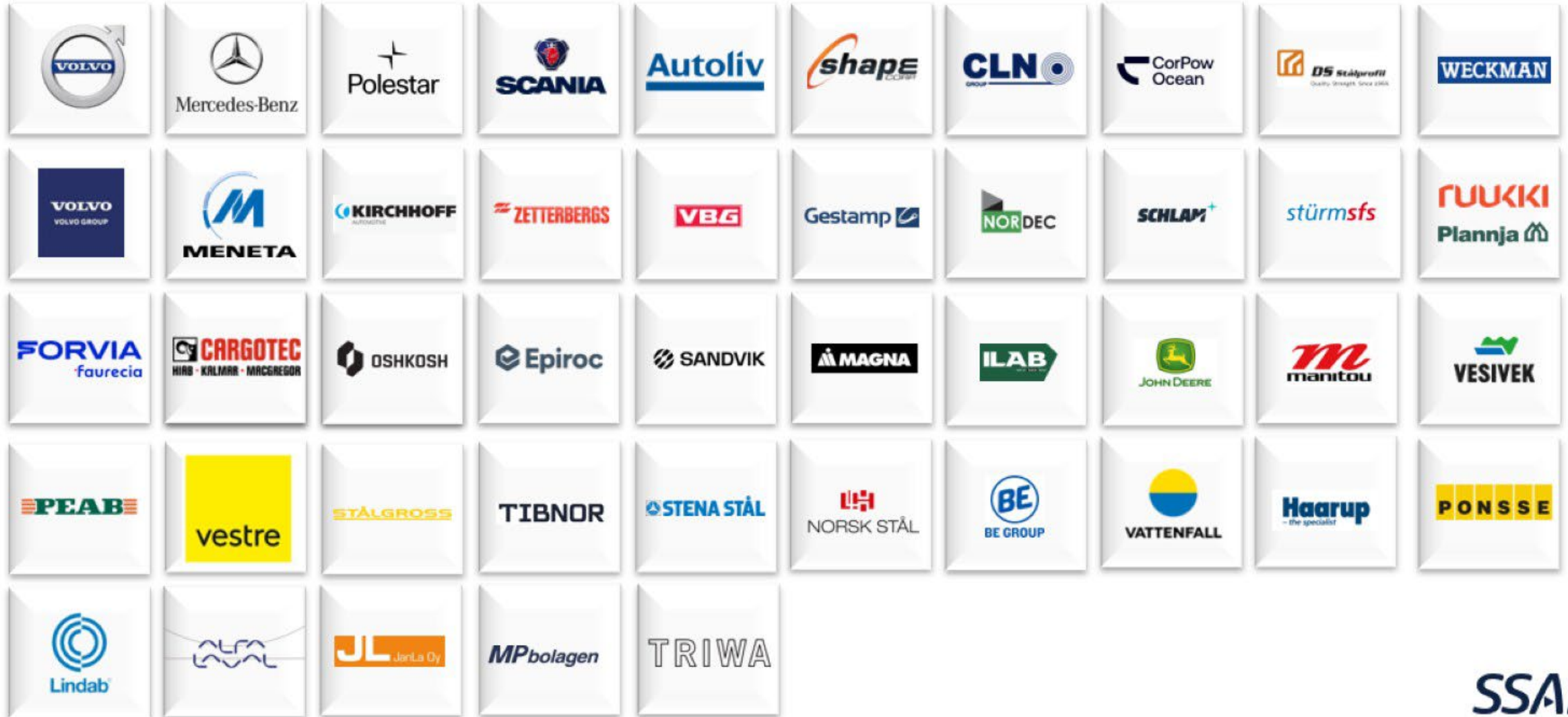
SSAB



Moving ahead together

SSAB

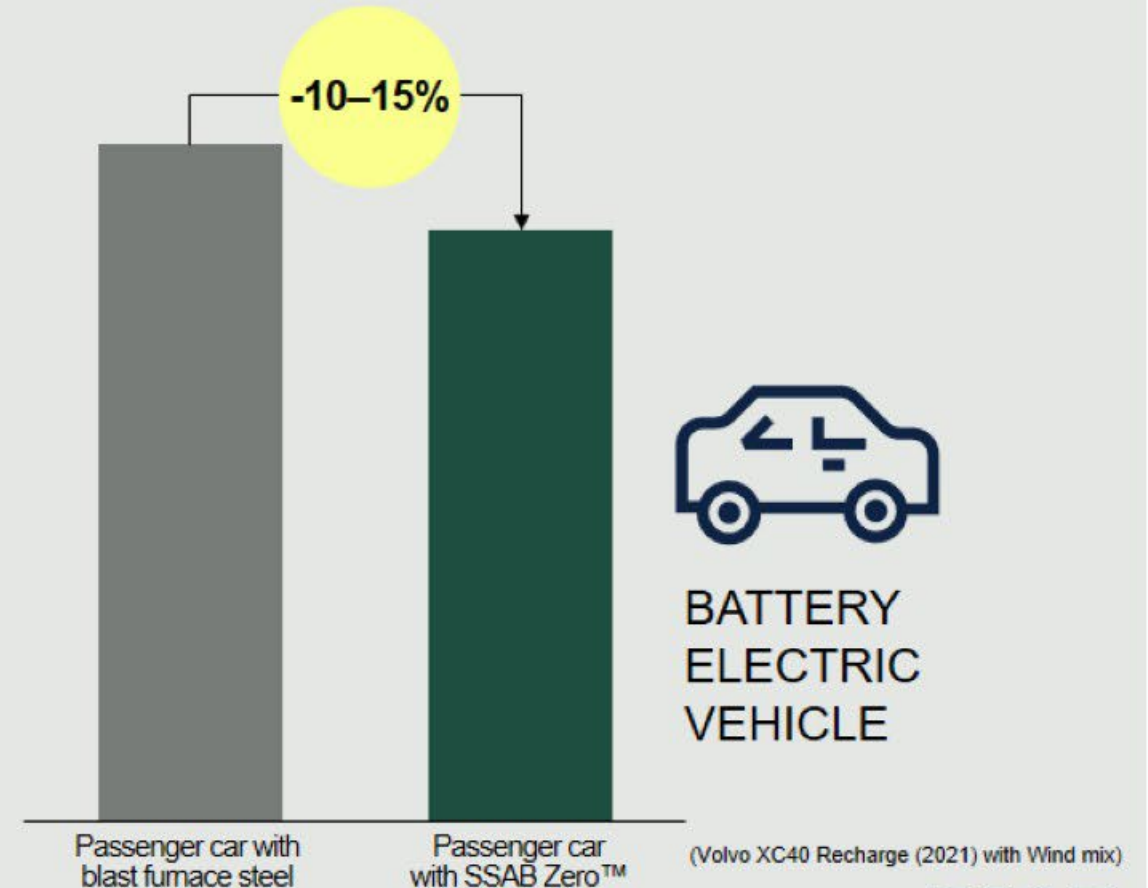
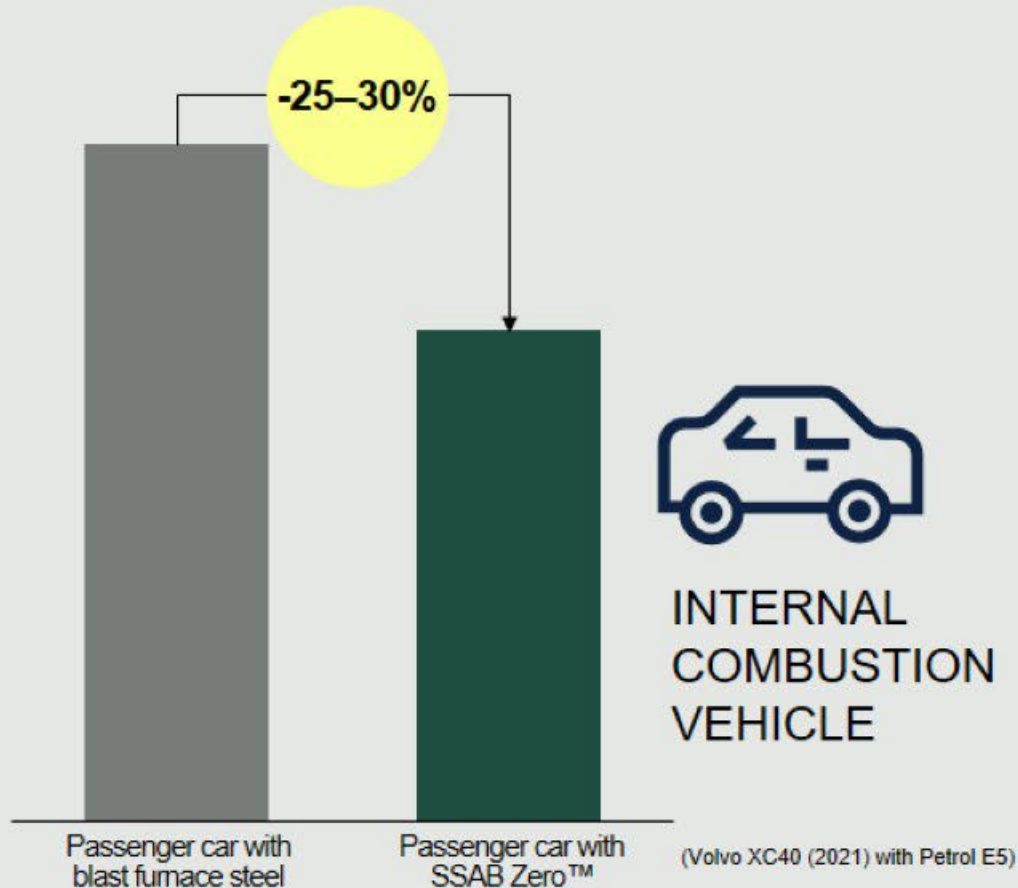
A growing number of fossil-free steel partners



SSAB

The cheapest way to reduce carbon foot print of cars?

Significantly lower emissions for less than 1% cost increase



► Volvo Trucks



i Did you know?

Volvo Trucks is first in the world to use fossil-free steel in limited serial production

Fossil-free steel is used in the frame rails of the chassis of electric trucks.

Launched May 24, 2022

In 2025, the frame rails in around 12,000 Volvo FH and FM trucks will be made of SSAB Zero™

Fossil-free steel
and SSAB Zero™
in Volvo Trucks

SSAB

"We are leveraging innovation and collaboration to address the climate crisis. We are honored that SSAB will collaborate with us in our endeavors to produce a truly climate-neutral Polestar car by 2030."

THOMAS INGENLATH, CEO AT POLESTAR

Polestar 0 Project
0 tCO₂e

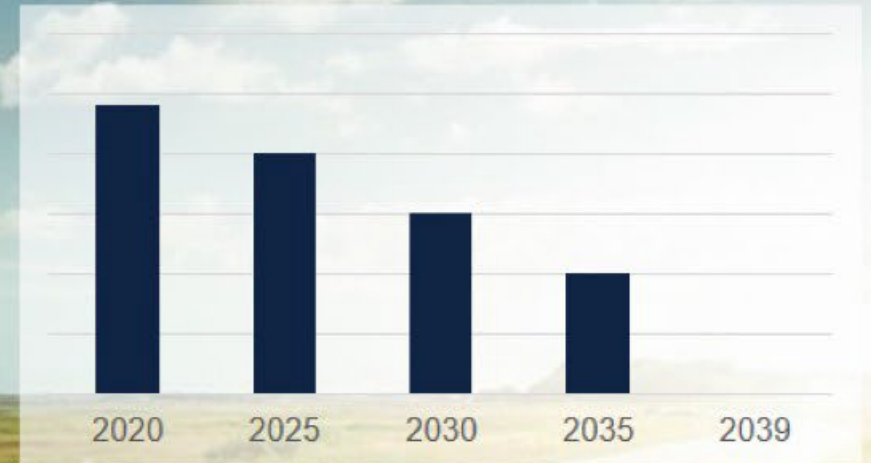
① Did you know?

When developing a climate-neutral vehicle, fossil-free steel can replace not only conventional steel, but also aluminum, plastics, carbon fiber and other material of a larger carbon footprint

"Daimler is on it's way to CO₂ lean production – Swedish producer delivers green steel

The automaker is driving the decarbonization of its supply chain: Starting in 2026, Daimler will be sourcing CO₂-free steel from SSAB in Sweden."

German financial paper "Handelsblatt",
Climate Friendly Industry, September 2021




📘 Did you know?

"Ambition 2039" has the aim to make new Mercedes vehicles net carbon-neutral in 2039

SSAB

A stronger, lighter and more sustainable world





All about
our emission-free
steels on our [web](#)

SSAB

SSAB