

An aerial photograph of a vast, serene landscape in northern Sweden. The foreground is dominated by a dense, lush green forest. A dirt road winds through the trees. In the middle ground, a large, calm lake stretches across the scene, reflecting the sky. Several small, forested islands are scattered throughout the water. In the background, rolling hills and mountains are visible under a clear, bright sky. The overall atmosphere is peaceful and natural.

H₂green steel

The world's first large-scale
green steel plant in northern Sweden

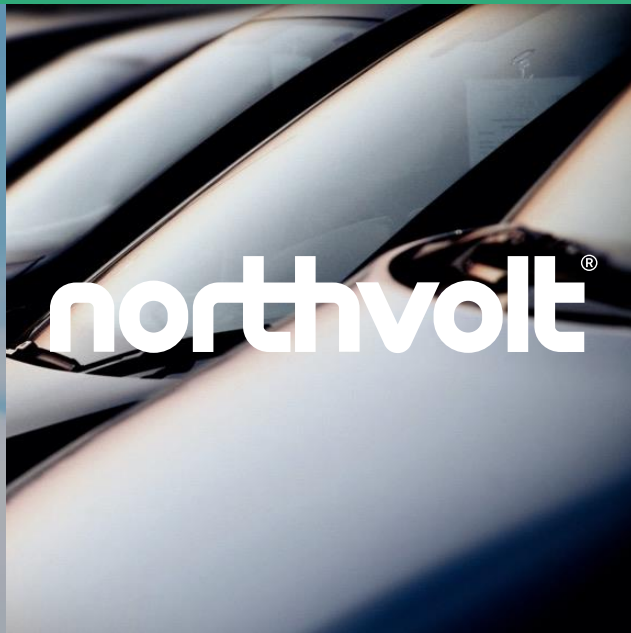
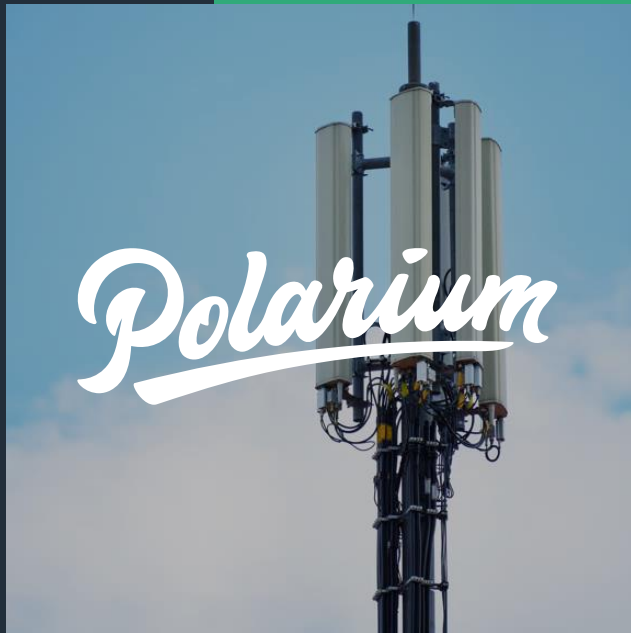
Presented by
Arne Österlind
Energy Portfolio Director, H2GS



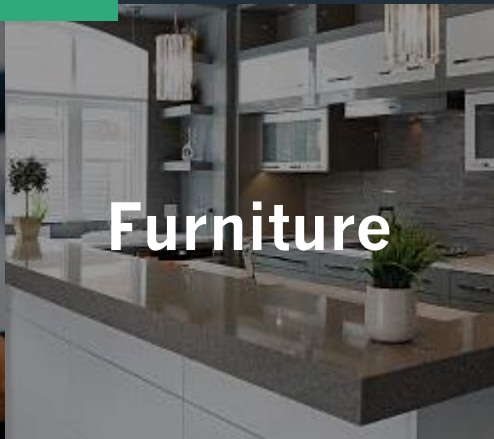
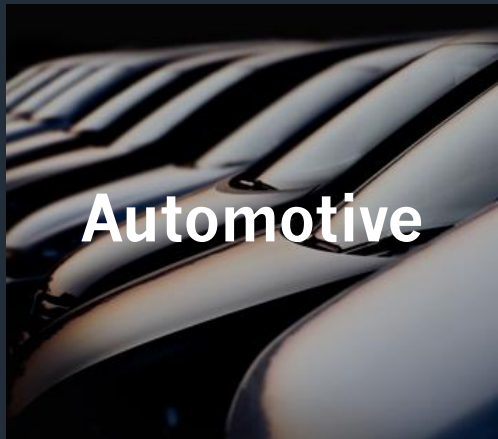
**Our mission on H2GS:
We decarbonise
hard-to-abate industries**

...and we start with steel

Vargas initiates and enables ideas that accelerate sustainable development



Targeting the European flat steel market with potential to eliminate 200 million ton CO₂



Transitioning the steel industry is key to meeting our climate targets...



8%



5%



14%

of total CO₂ emissions

1,900,000,000 tonnes steel produced per year



3,500,000,000 tonnes of CO₂ emitted every year

Introduction to H2 Green Steel

H2GS will build a 5.0Mtpa green steel production facility in Boden, Sweden...

...powered by a 740 MW electrolyzer producing green hydrogen

The facility will produce steel with a ~95% lower CO2 footprint



2026 start of production

2.5Mtpa Phase 1 production (2027)

10 TWh p.a. consumption

5.0Mtpa Phase 2 production (2030)

Close customer partnerships



Building a new European industry leader and Swedish export growth engine

5mnt

green steel



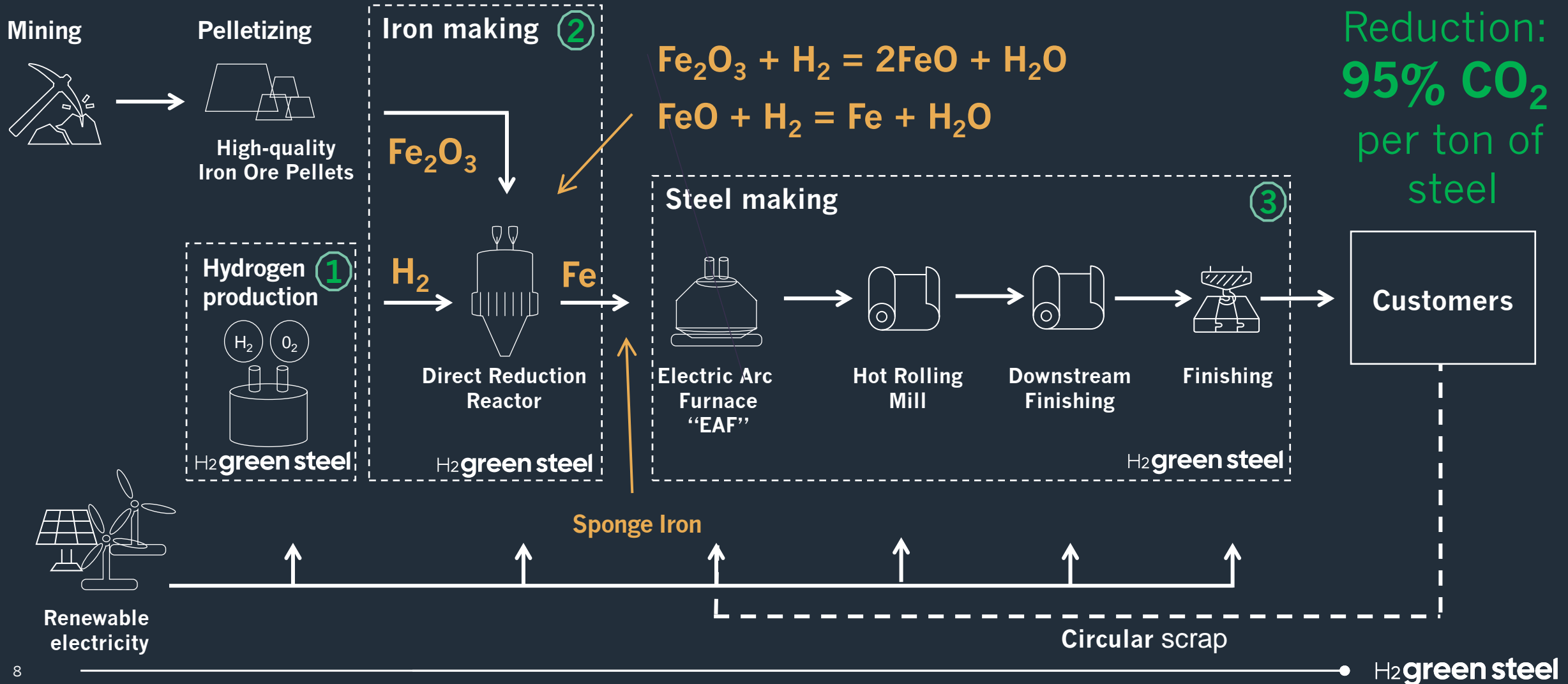
10,000

direct and indirect jobs

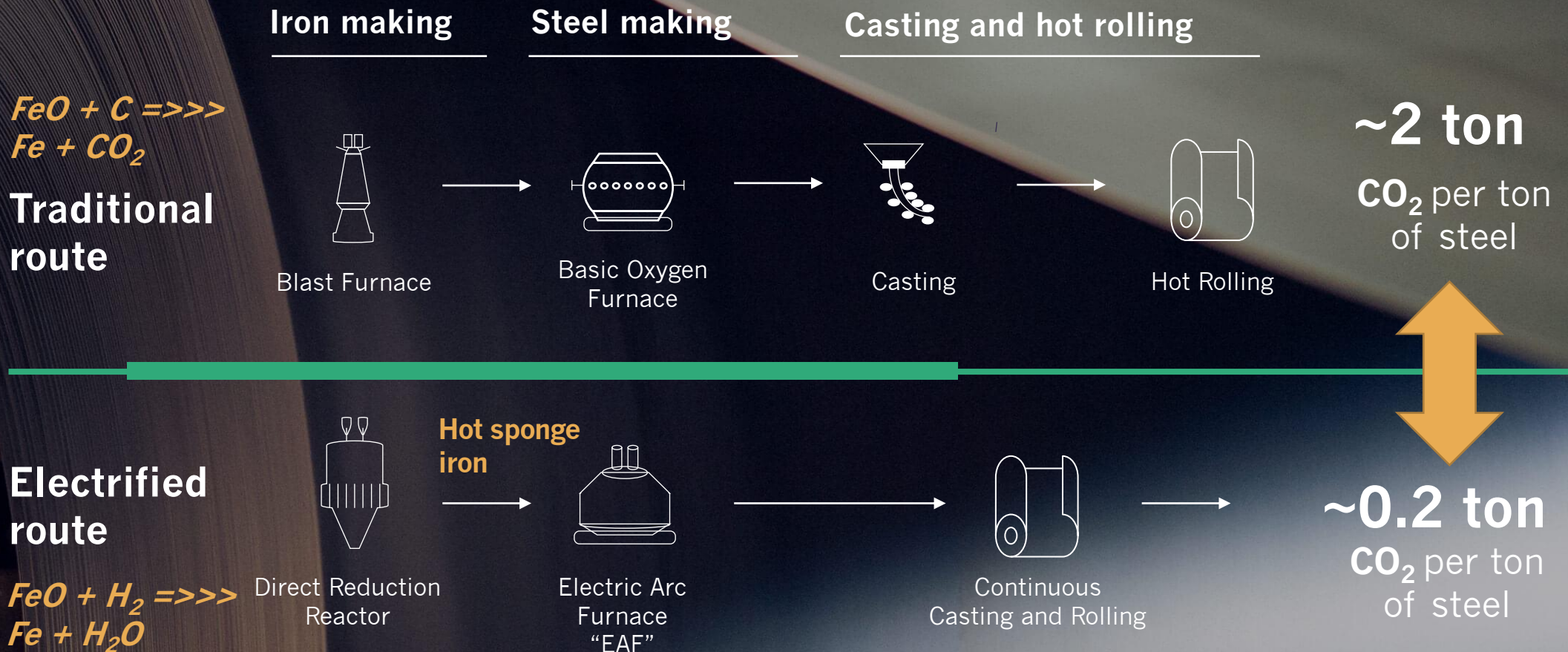
€3bn

increased net export value

H2GS Boden: Building three scalable platforms



Electrification of each process step



The Boden Plant

DRI Reduction tower for the production of sponge iron - 145m high

Electric arc furnaces

Hot rolling, cold rolling, surface treatment, etc.

740 MW Electrolysers for hydrogen production

New sub station

Train unloading terminals

Old sub station

400 kV connecting grid lines

Over €2bn in equity has been raised from a diverse group of investors

Series A & B1 (May 2021 & Oct 2022)



Series B2 (Nov 2023)

€360mn

€1.8bn



Debt financing

€4.2
billion

Supported by leading
European financial
institutions.



Pre-sold green steel

1,5 mt
~60% Phase 1

A significant share of our production, with a value >€10bn, is already pre-sold at a market premium



SCHAEFFLER

RioTinto



KOBELCO



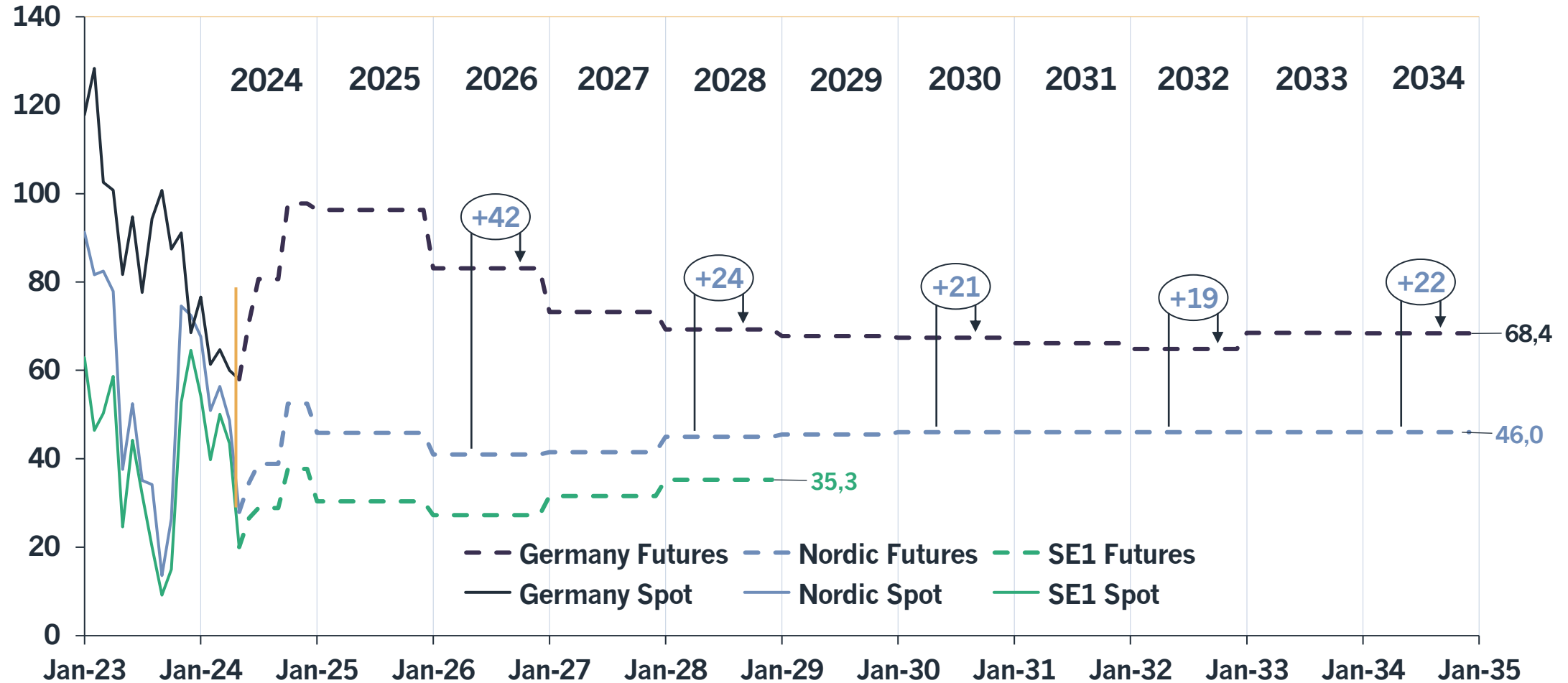
Cargill

DAIMLER



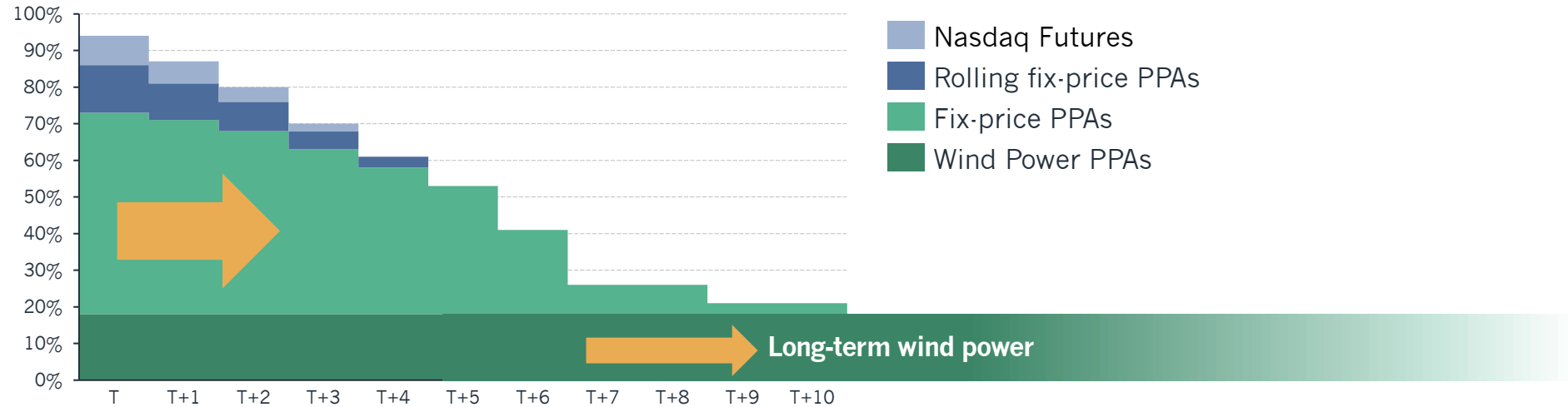
Nordic electricity price vs. Germany – Long-term

Monthly spot, futures, EUR/MWh



H2GS electricity hedging principle

Hedge principle %



- H2GS are looking for long-term electricity supply agreements (PPAs) with multiple suppliers.
- Wind Power and solar power off-take with pay-as-produced delivery with up to 30 years agreements.
- H2GS believes that market transparency is very important and will act on Nasdaq/EEEX to perform financial hedging (~10% of total hedging volume).

An aerial photograph of a wide, winding river flowing through a lush, green landscape. The river is the central focus, curving through the scene. On either side, there are dense forests of tall trees, interspersed with open green fields and some small buildings or farm structures. The sky is clear and blue, with a few wispy clouds on the horizon. The overall scene is peaceful and scenic, representing a natural environment.

Thanks!

H₂ green steel