

Towards a world that lasts forever

THE INDUSTRIAL GREEN TRANSITION

Platform North Forum, Luleå, Sweden

Petri Mure - Head of Sustainable Products & Operations, Business Line Stainless Europe, Outokumpu

13.2.2025

Outokumpu is the global leader in sustainable stainless steel with 95% recycled material

Outokumpu's successful year 2023*

Sales

7

EUR billion

Stainless steel deliveries

1.9

million tonnes

Adjusted EBITDA

517

EUR million

First in the industry



100% stainless steel.
Up to 93% lower carbon footprint compared to global average.

95%

Record-high recycled material content in production

75%

Up to 75% lower carbon footprint than average global stainless steel

8,469

Personnel

Low-emission steel is crucial in accelerating the green transition across industries

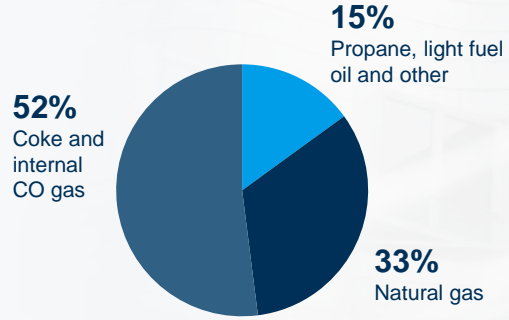
Steel industry accounts for 10% of global greenhouse gas emissions. Outokumpu has an ambitious science-based climate target to keep the 1.5°C ambition possible.

Future of low-carbon solutions – from renewable energy to hydrogen or electric vehicles – are all dependent on sustainable stainless steel.

Our starting point in 2024 for emission reductions

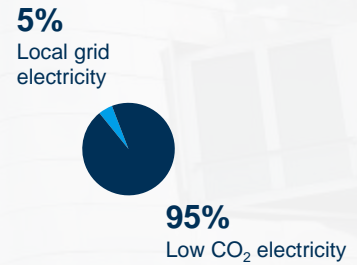
Emissions per scope in 2023

Scope 1 Total: 1,013 ktCO₂



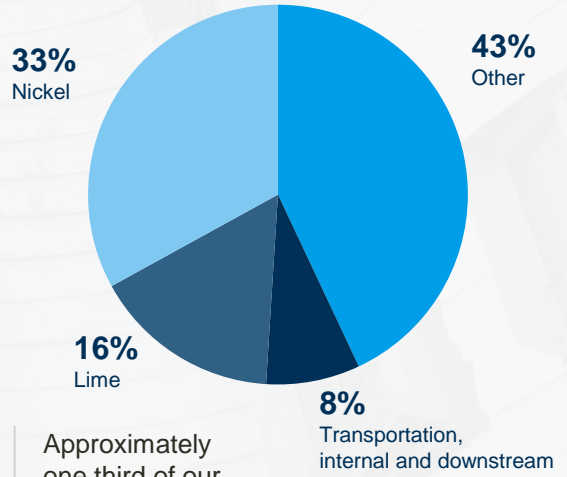
Addressing coke and fuel use has a significant impact on Scope 1 emissions, which constituted 29% of our emissions.

Scope 2 Total: 142 ktCO₂



Absolute emissions has been significantly reduced by increasing the share of low-carbon electricity up to 95% of our electricity consumed. Scope 2 emissions constitute 4% of our emissions.

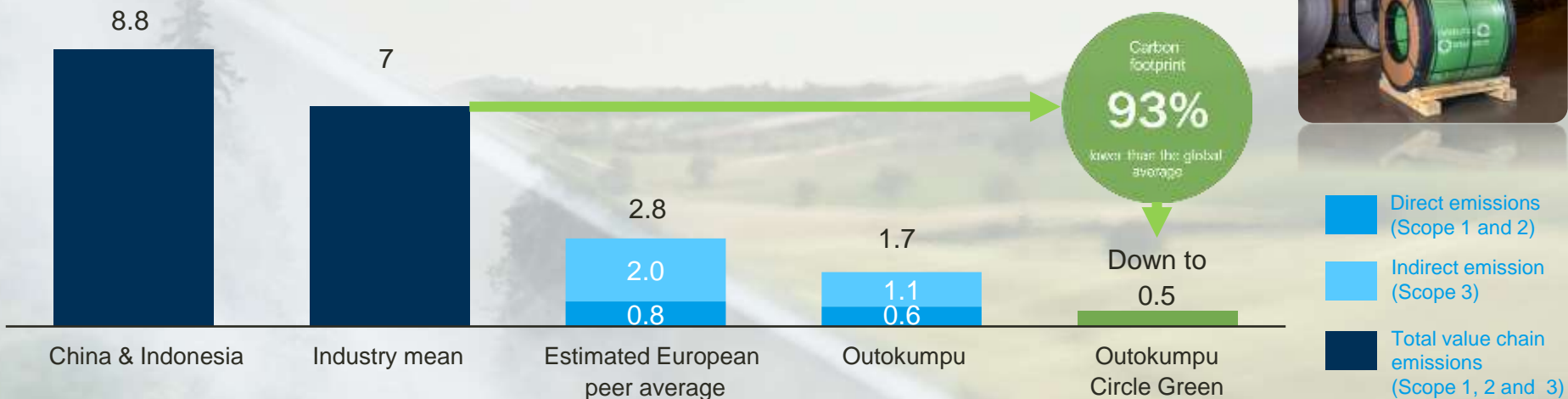
Scope 3 Total: 2,309 ktCO₂



Approximately one third of our value chain emissions come from production of nickel. Scope 3 emissions constitute 67% of our emissions.

Our Tornio Site is the HOME of Outokumpu Circle Green

“We did not change anything... Except everything!”



Emission scopes
 Scope 1: Direct emissions from own production
 Scope 2: Emissions from electricity use
 Scope 3: Indirect emissions from supply chain, e.g. the use of raw materials and transport

Outokumpu scope 1 & 2 also includes FeCr, unlike peers

*In 2022 ** Sources: Outokumpu Annual report 2022; Calculation based on data from worldstainless for stainless steel industry mean emissions with 40% scrap recycling and 30% nickel pig iron for 2020; 3rd party estimate of European peer average emissions in Scope 3 for 2019, ***ref. "R.Gyllenram, WJ Wei. 304 grade stainless steel carbon footprint comparison EU, Indonesia and China", 2022





Partnering with customers in sustainability to reduce emissions from the stainless steel industry

“As industries around the world look to reduce carbon emissions to reach ambitious net-zero targets, sustainable steel has a huge potential. In Outokumpu we have found an organization dedicated to accelerating the industrial decarbonization of stainless-steel production.”

Stephan May

CEO of Electrification and Automation at Siemens Smart Infrastructure

FISKARS
EST. GROUP 1649



Fissler

PUREM
by Eberspächer



thyssenkrupp

BOYSEN
INNOVATIONEN ARGASTECHNOLOGIE

STAHLKREBS
our steel. YOUR BUSINESS.

NORDIC STEEL
part of great solutions

klöckner & co

SIEMENS

SVERDRUP
STEEL

STALA
TUBE

ALFA
LAVALE



Kemi mine - The first carbon-neutral mine in the world by 2025

KEMI MINE
1969

The only
chrome
mine in
the EU

Annual ore
production
capacity
2,7
million tonnes

Ore supply
secured to
2050'

Underground
mine with
minimal
environmental
impact

Concentration
process
gravity-based,
not using
chemicals

Committed
to Towards
Sustainable
Mining (TSM)

Tornio Site; The most integrated stainless steel plant in the world is the biggest material recycler in Europe

Employees

2,500

Steel production

n. 1,5 Mton

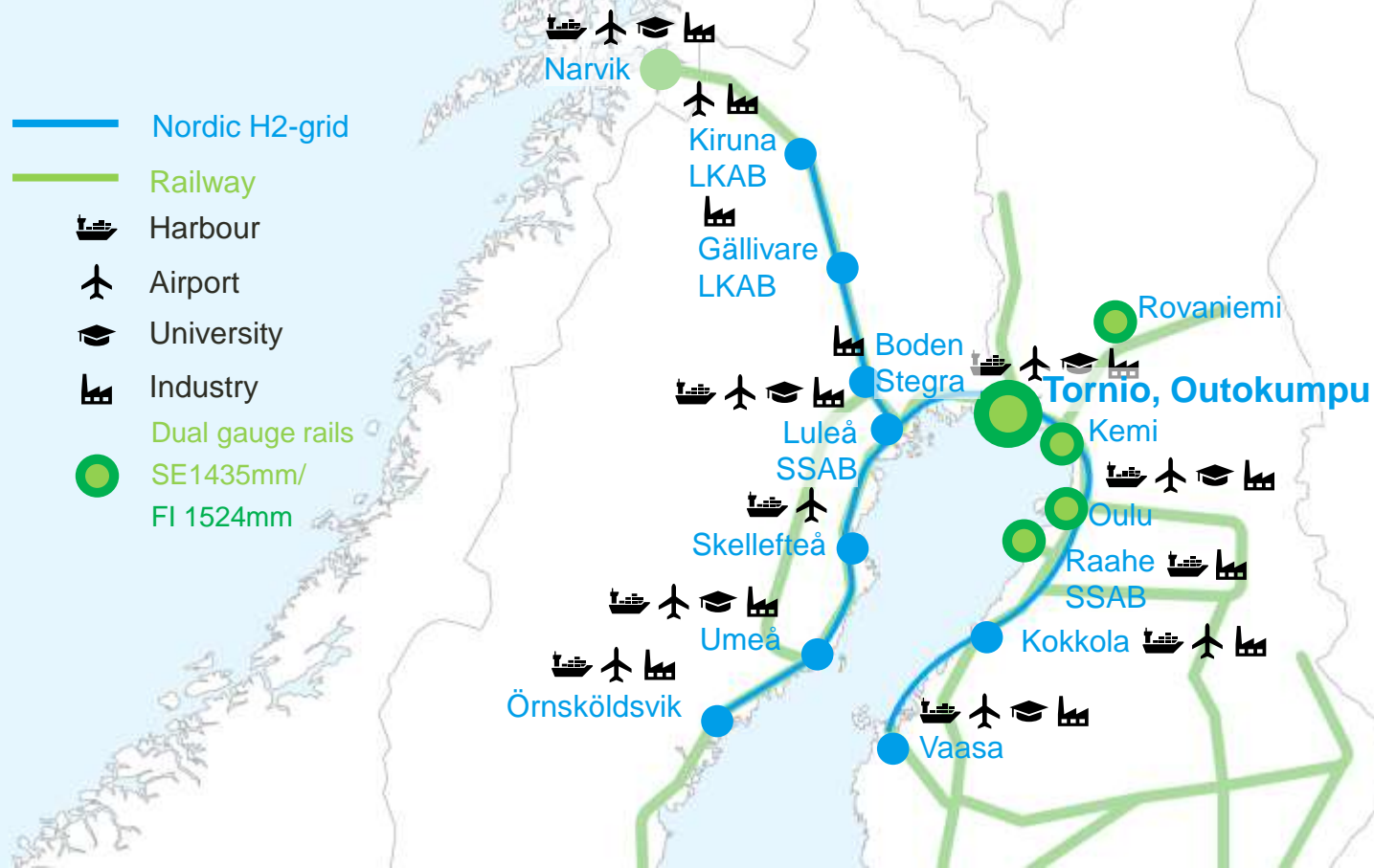
FeCr production

0,5 Mton

Use of recycled materials

> 2 Mton/a

Tornio - In the Center of Tomorrow's Industry





Petri Mure

VP – Head of Sustainable
Products & Operations,
BLSE