



Boliden Sales

For a competitive and low carbon future

Director Sales, Sven Hjelmstedt
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What we produce



Copper



Zink



Lead



Nickel



Gold



Silver



Sulfuric acid

Who are the customers?



Zink



Transportation



Civil Engineering



White Goods



Nickel



Batteries



Consumer Goods



Industry appl.



Lead



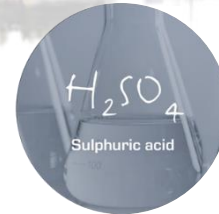
Stationary



Industrial Traction



Transportation



Sulphuric Acid



Pulp & Paper



Fertilizers



Mining & Metals



Copper



Plumbing



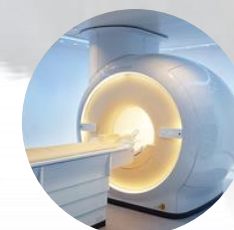
Foil for Li-ion



Contact Wire



Power Generation



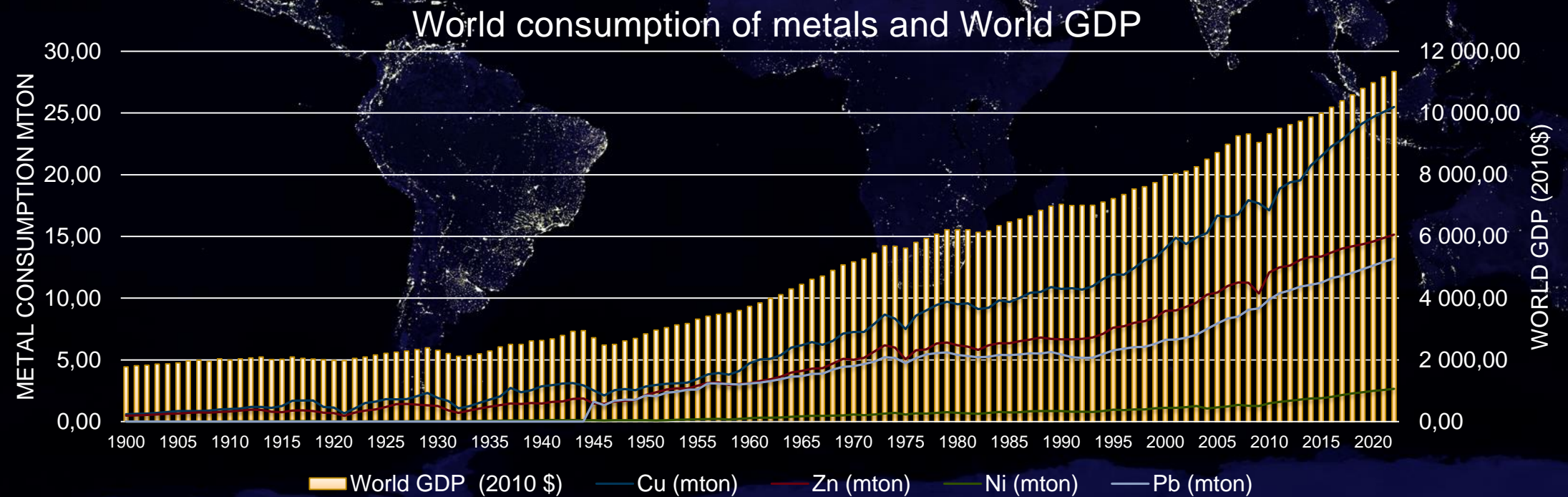
MRI



Bare Wire

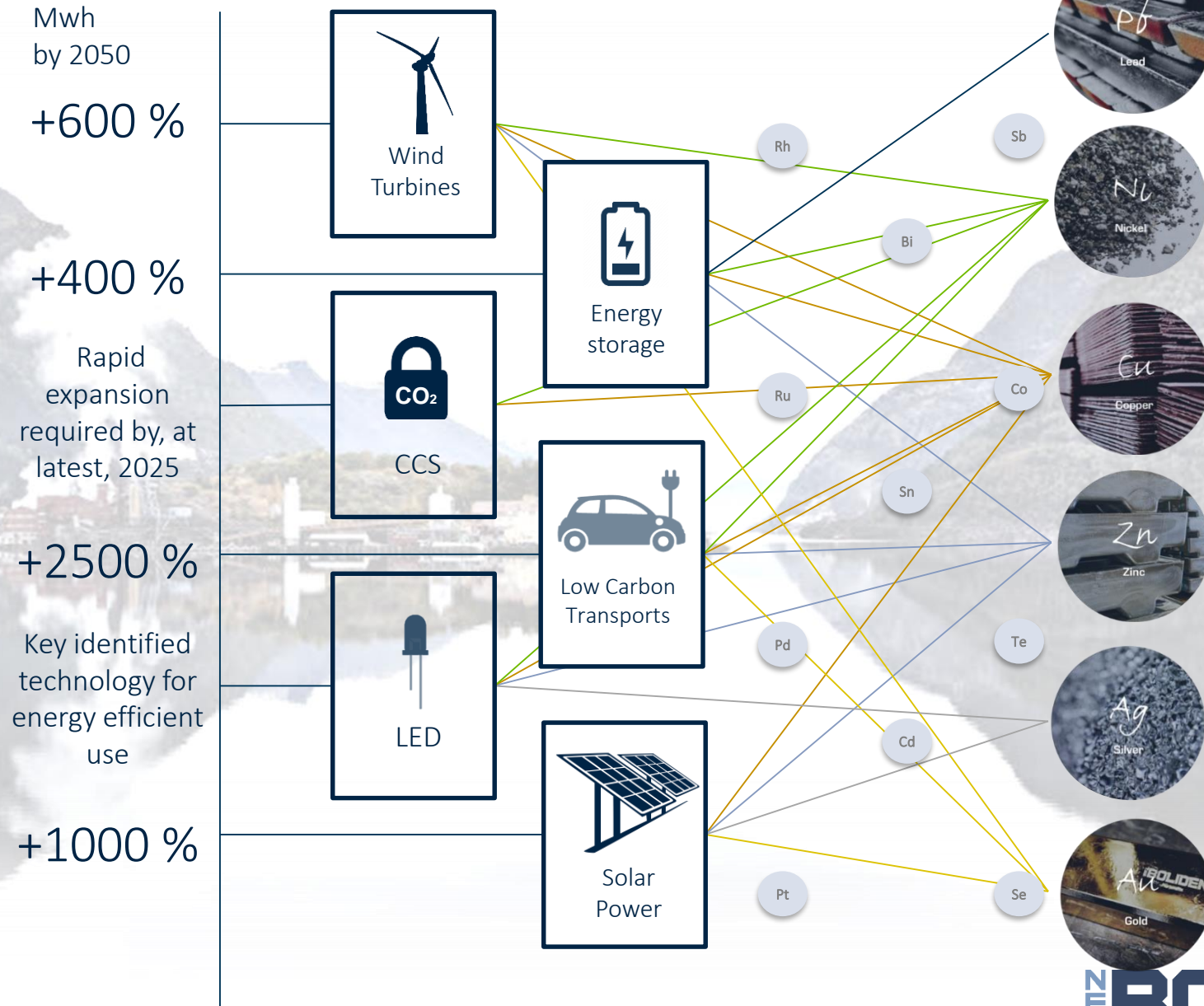
What is driving metals demand?

Electrification and energy transformation



Low carbon technology

Requires Boliden metals



Sources: World Bank 2017, "The Growing Role of Minerals and Metals for a Low Carbon Future", and Eurometaux

Our customers challenge

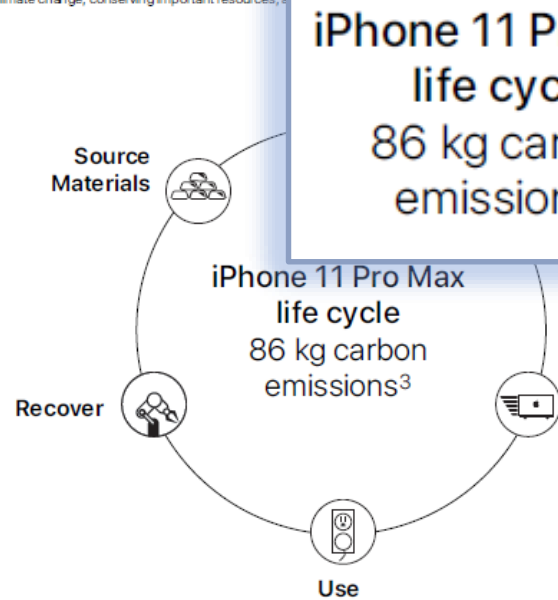
CO2 footprint and transparency



Taking responsibility for our products at every stage

We take responsibility for our products throughout their life cycles—including the materials they are made of, the people who assemble them, and how they are recycled at end of life. And we focus on the areas where we can make the biggest difference—reducing our impact on climate change, conserving important resources, and

We sell millions of products. So making even small



iPhone 11 Pro Max
life cycle
86 kg carbon
emissions³

iPhone 11 Pro Max life cycle carbon emissions

- 78% Production
- 3% Transport
- 18% Use
- <1% End-of-life processing

Carbon footprint

We continue to make progress in reducing Apple's contribution to climate change—by focusing on making energy-efficient products with renewable or recycled materials and with renewable energy. Through innovative manufacturing techniques, we've reduced the carbon emissions associated with the steel band by 10 percent.⁴ And the overall carbon footprint is about the same as that of iPhone XS Max.⁵ Apple is committed to using carbon life cycle assessments to identify opportunities to drive down product greenhouse gas emissions.

iPhone 11 Pro Max life cycle carbon emissions

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Siemens is leading the way: carbon-neutral operations by 2030

"Committing to cutting our global carbon footprint is not only prudent—it's profitable."
— Joe Kaeser, CEO Siemens AG

You are here: Overview

Introduction

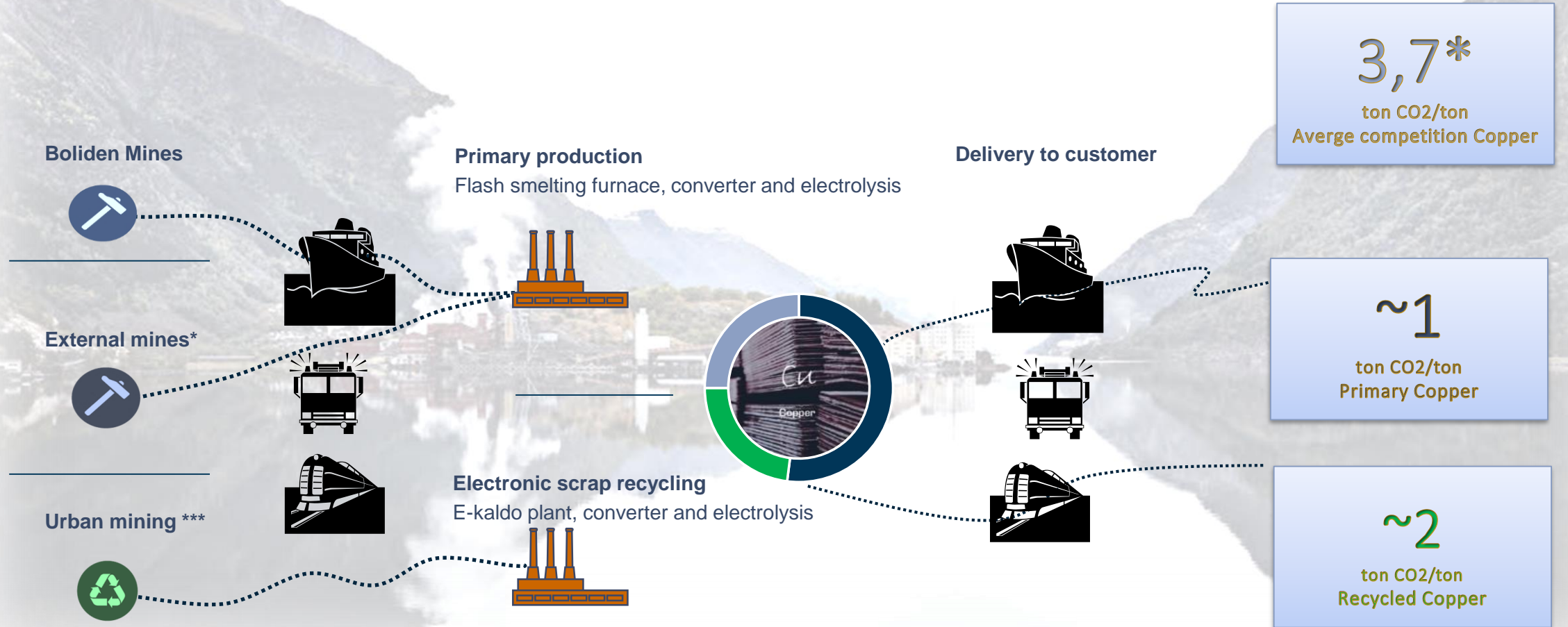
Siemens is going carbon neutral

With our commitment to turn our operations carbon-neutral by 2030, Siemens set a clear signal even before the adoption of the Paris Agreement. By setting this goal, we express our firm belief that companies play a pioneering role in the fight against climate change. Our goal is clear: All Siemens production facilities and buildings worldwide are to achieve a net-zero carbon footprint by 2030. This program not only benefits humanity and the environment, but also comes with sustainable economic advantages for our company. We focus on four key levers.



Our starting point

Low carbon and recycled copper



Sources: *Ecoinvent lifecycle inventory Cu Conc Global and **International Copper Association, ***Collection and dismantling of e-material assumed to be lower than 0,01 ton CO2 ton metal contained