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# Climate effective raw material supply for a Green Europe

Boliden

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**2021**

# Integrated company with both mines and smelters

**MINES**

**SMELTERS**

**HEADQUARTERS**



## Purpose

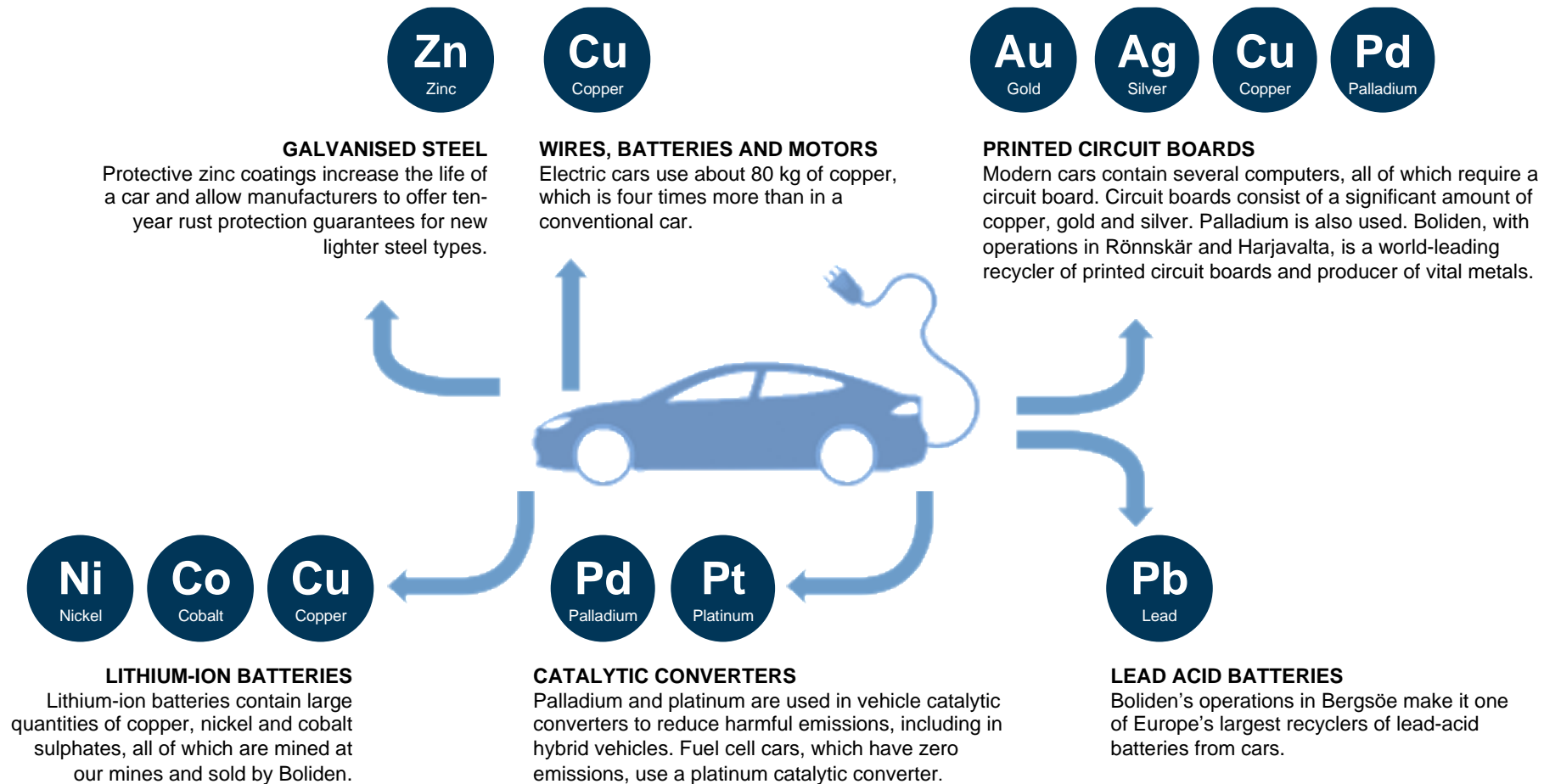
To provide the metals essential to improve society for generations to come



## Vision

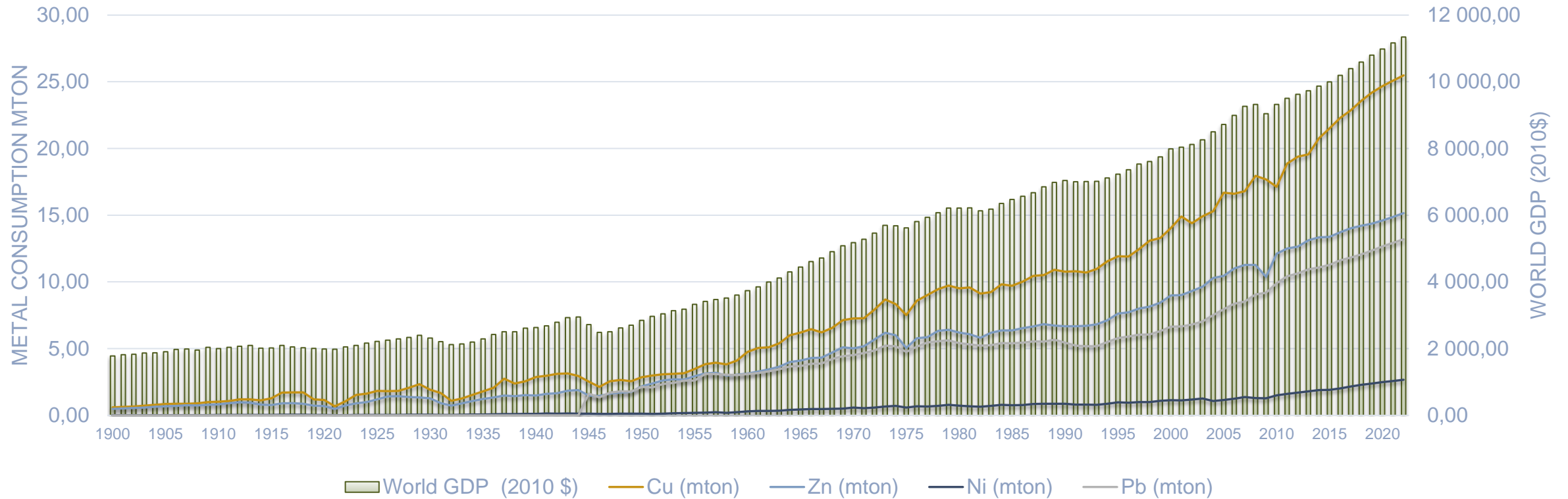
To be the most climate friendly and respected metal provider in the world

# Boliden – part of the sustainable circular economy



# Economic growth and climate transition drives metal demand

World consumption of metals and World GDP



# Europe is relying on others for raw material supply



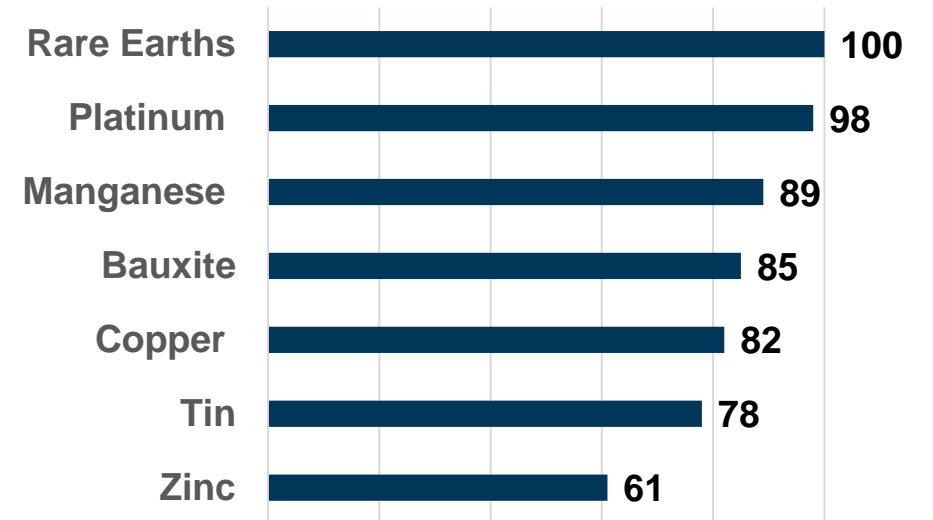
A low share of global mining



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A high import dependency on primary raw materials





# Despite having safe & low carbon solutions internally

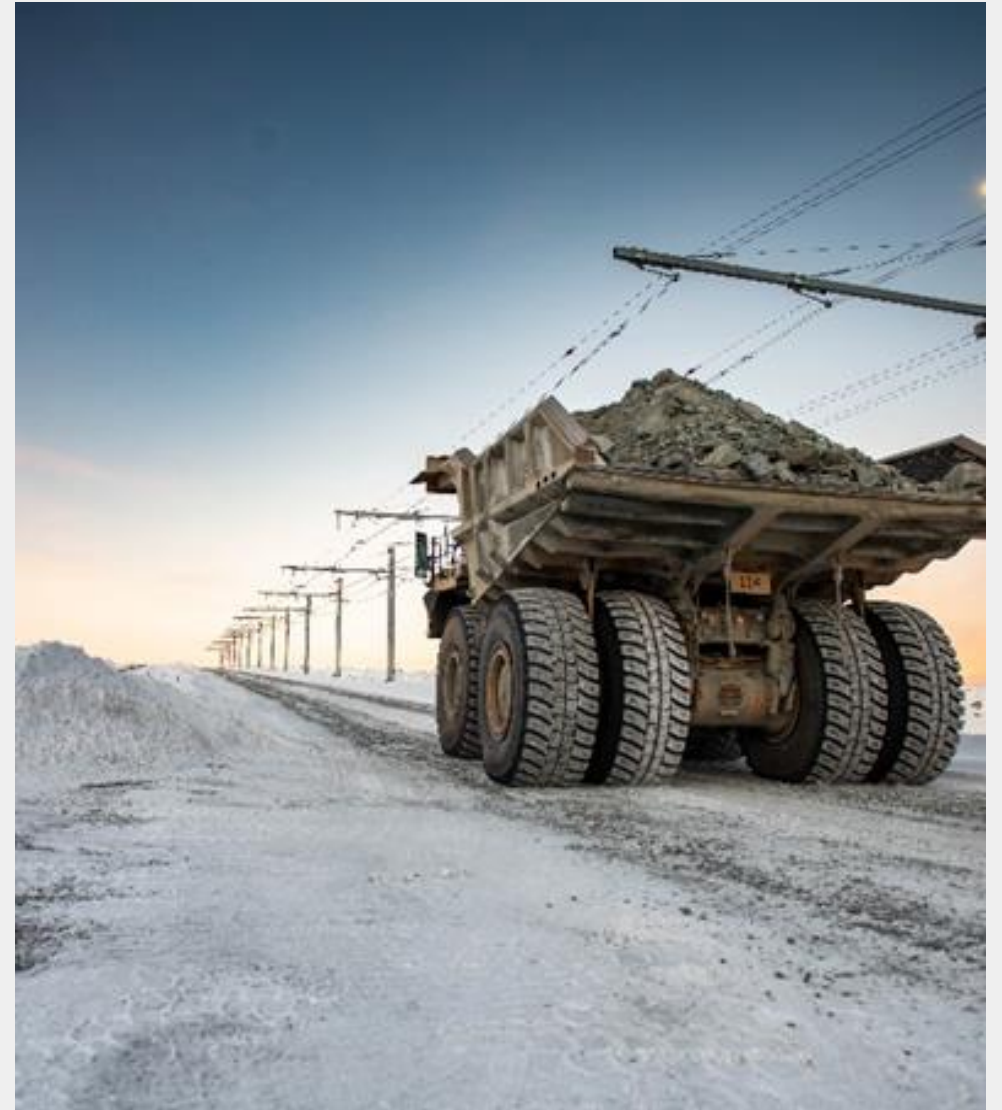
- European Raw Material Alliance (ERMA) highlights the need for improved raw material supply
- In Sweden, this must translate to increased permit processes
  - Where authorities are able to make overall trade-offs
- Stable long-term conditions are necessary to minimize carbon leakage





# Reducing emission from a very strong position

- Boliden's target is to reduce carbon dioxide intensity by 40% 2012-2030
  - 2012: 0,77
  - 2020: 0,61
  - 2030: 0,46
- Electric trolley, Aitik and Kevitsa
- Nickel expansion, Harjavalta
- Biofuels for transports
- Alternative reduction agents
- Improved power mix
- Ventilation-On-Demand



# Improved result through sustainable operations

- Focus on health and safety improves production stability
- Restrictive emission norms improves environmental performance
- Expertise in methods for decommissioned mines
- Dialogue and long-term cooperation with local communities



Thank you

Te Pb  
Co Ag  
Ni  
Zn  
Cu