

Kalevala and the role of metals







A new society requires sustainable solutions





Europe's low-carbon 2050 relies on higher quantities of strategic metals





+300% metals demand increase by 2050

Solar



+200%

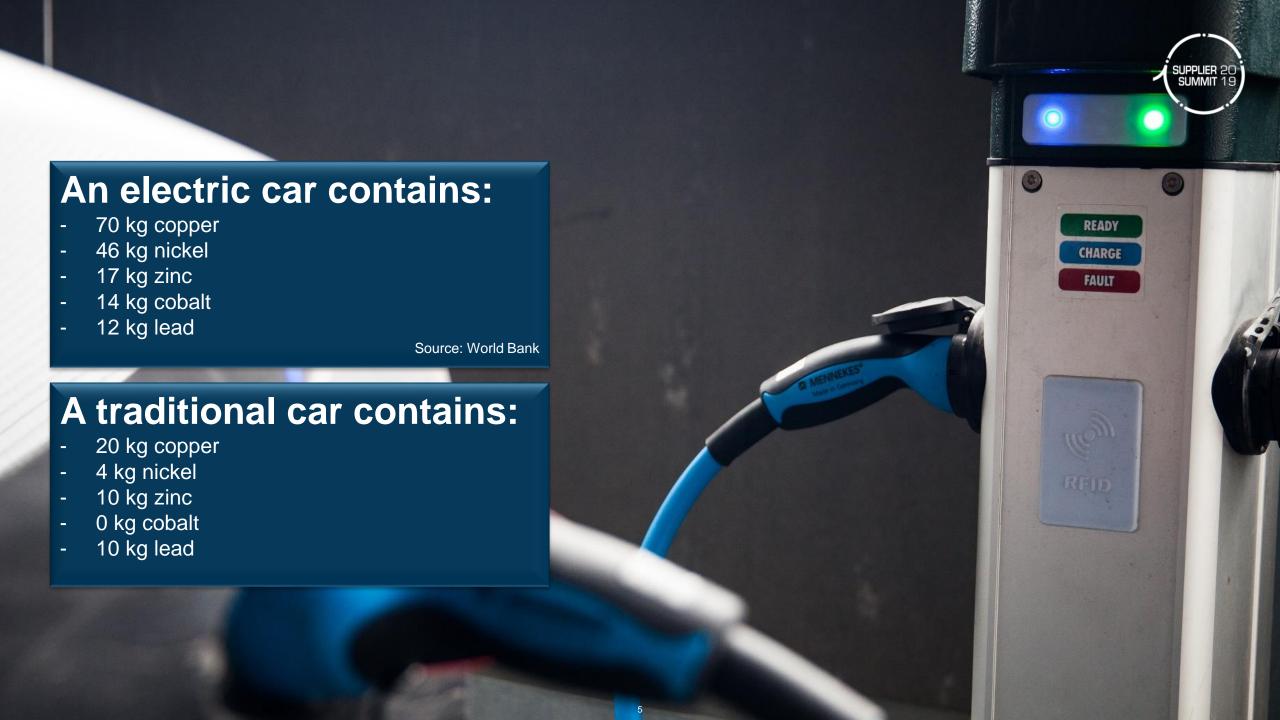
metals demand increase by 2050

Batteries



+1000%
metals demand increase by 2050



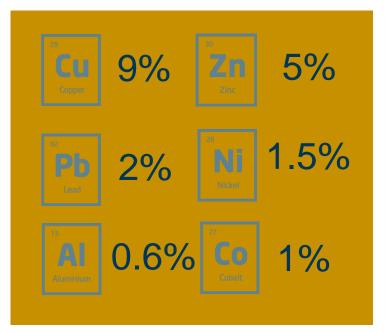


Europe's challenge? High dependency on imported primary raw materials



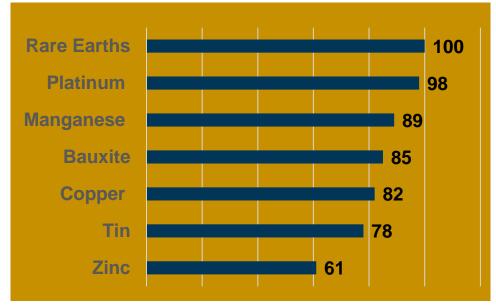


A low share of global mining





A high import dependency on primary raw materials





Boliden – A part of the solution

MINES

SMELTERS

HEADQUARTER









Boliden's contradictions a key for success



Manageable in size

~5,800 co-workers

Local

Strong presence in local communities

Conservative

Preservative and corporate culture



Big corporation

- ~8 BUSD market value
- Leading position in base metals in Europe

Global

Global network and concentrate sourcing

Cutting edge technology

High degree of automation

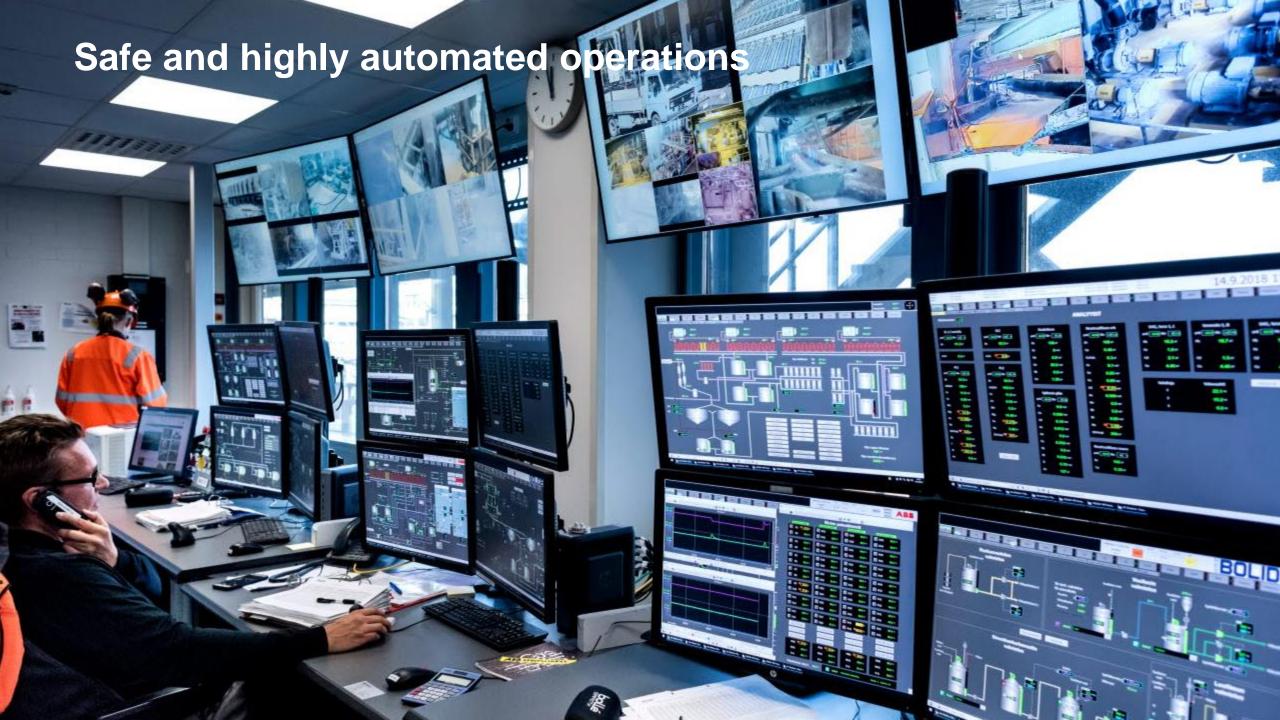




Metals from Boliden – a part of the solution



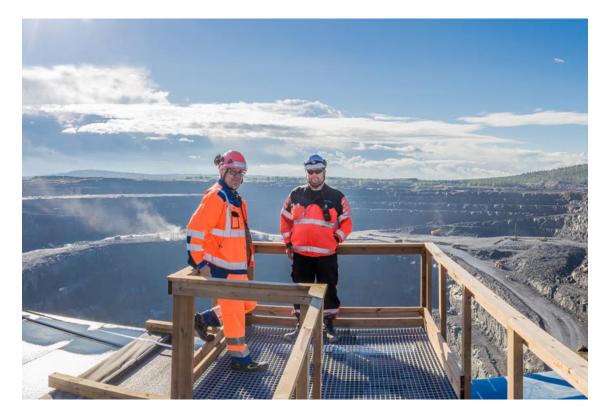
	Metal	Main use	Other use	Place in the EU (mining)
	Copper	Electricity	Heat exchanger Brass/Bronze	2
	Zinc	Galvanization	Brass Batteries	1
	Lead	Batteries	Radiation protection	1
	Nickel	Stainless steel	High tech Batteries	2
	Palladium Platinum	catalytic converter	High tech	1?
	Tellur	Solar cells		1
De l	Cobalt	Batteries		1?
No.	Gold Silver	Financial	Jewelry Electronics	2-3





Delivering sustainable metals to societies in Europe







Aitik 45 Kevitsa 9,5 Garpenberg 3,0

Tara tailings dam Boliden Area tailings dam

Harjavalta expansion Rönnskär expansion Odda expansion



