



General presentation
Nikkelverk, February 2016



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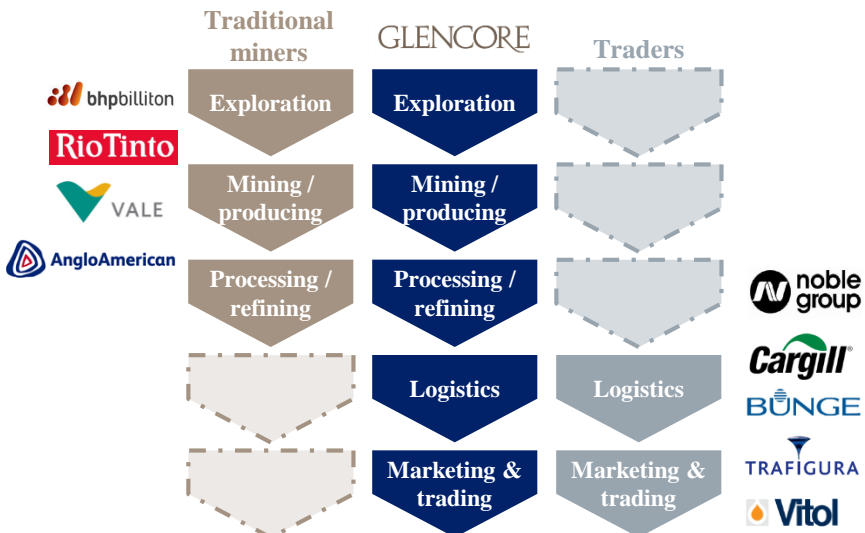
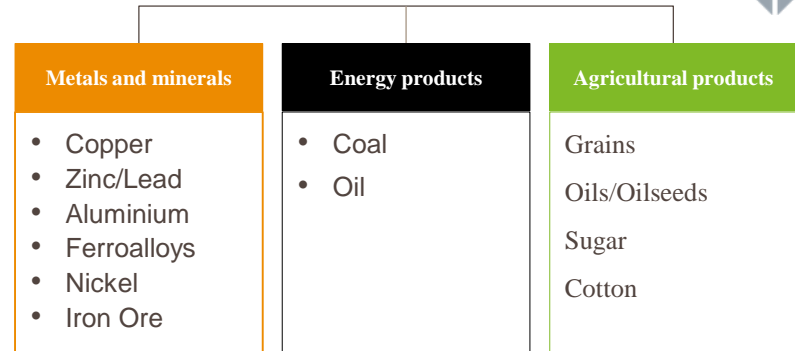


GLENCORE



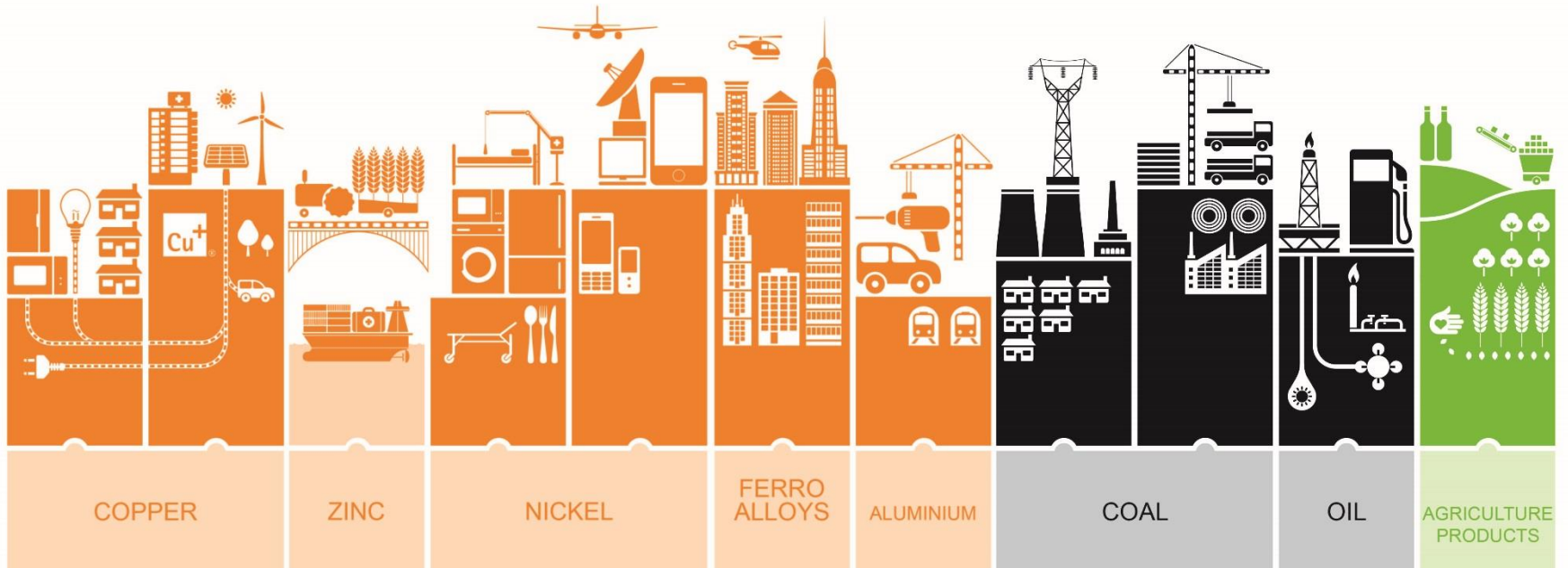
GLENCORE

- 90 commodities
- Unique business model
- Stock Exchange; London, Hong Kong and Johannesburg

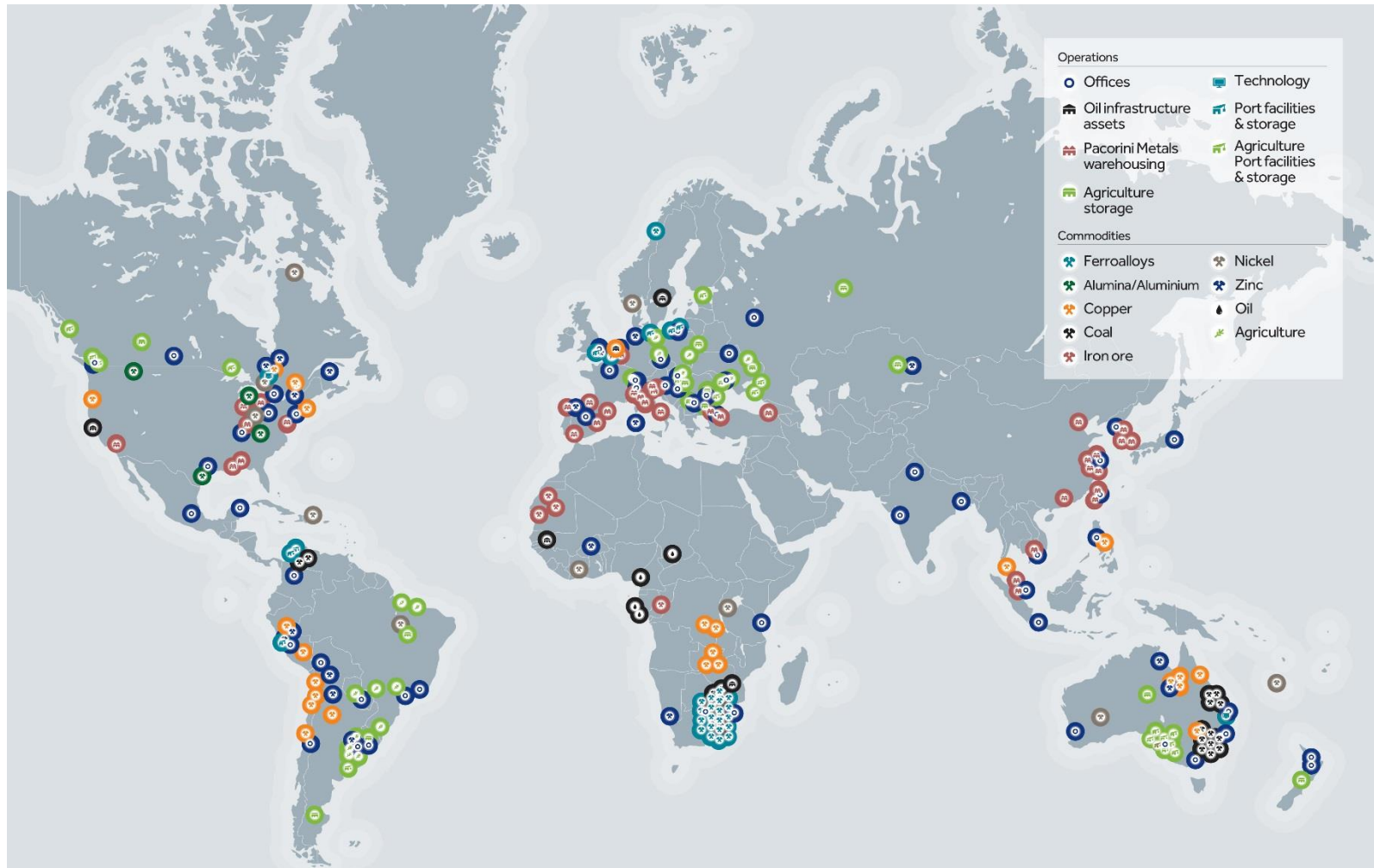


- Revenue USD224 bn (2014)
- EBIT USD6.7 bn (2014)
- 181 000 employees (incl. contractors)
- 90 offices and 150 operational plants
- Presence in more than 50 countries

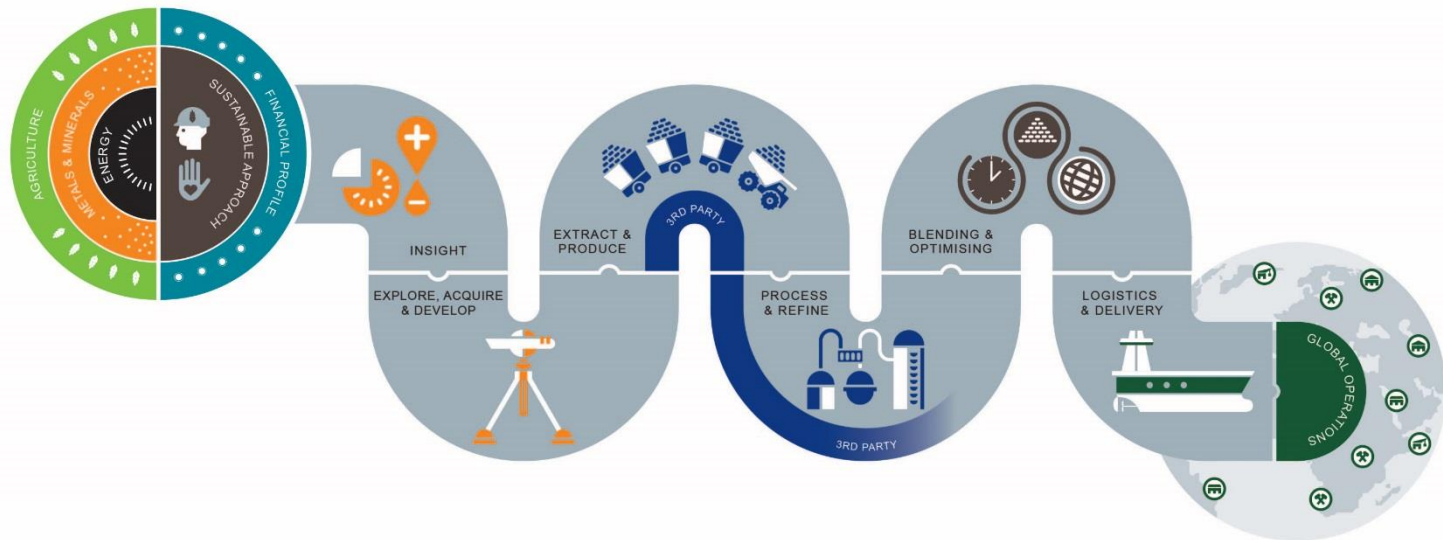
Vital products in our daily lifes



A global player



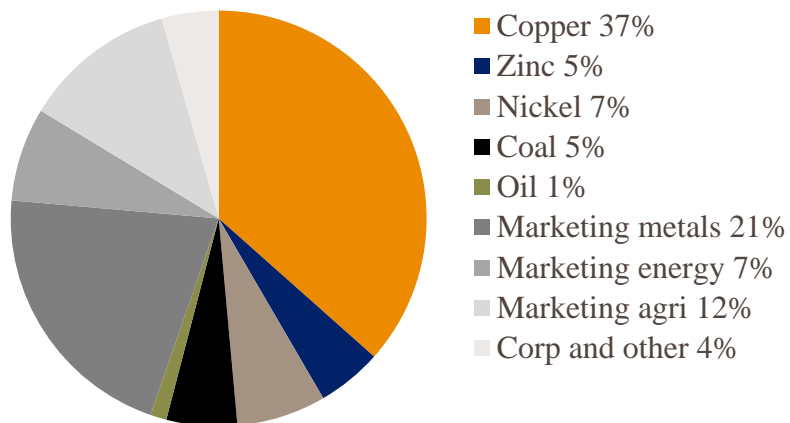
Glencore Business Model



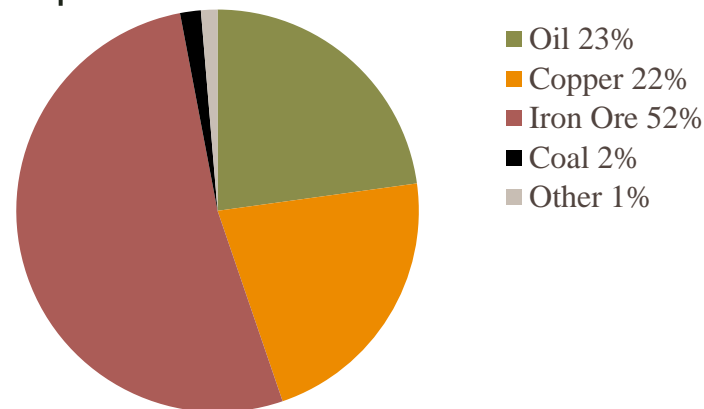
Glencore – the most diversified of the “big miners”

(FY 2014 EBIT)

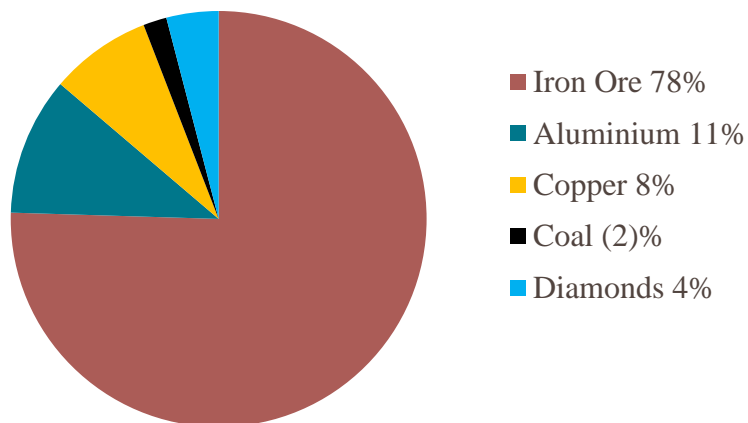
GLENCORE



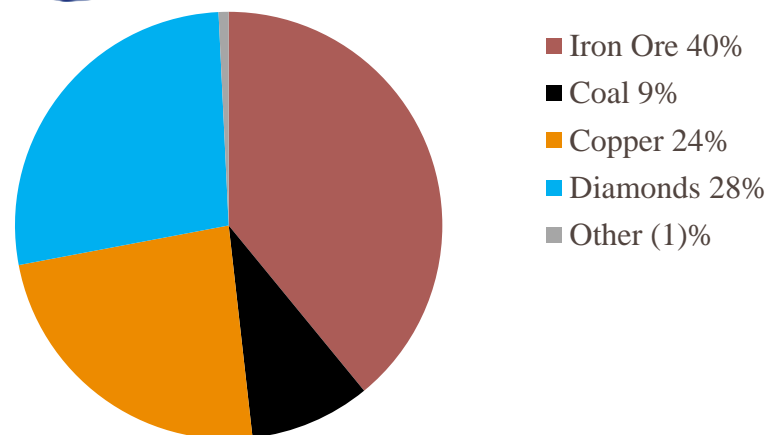
bhpbilliton ⁽¹⁾



RioTinto



AngloAmerican



Note: (1) Split as per 2014 result. Source: Annual Reports, company presentations.

NIKKELVERK

A GLENCORE COMPANY





Glencore Nickel Worldwide





Our history



- 1870 – 1945: «Flåt» mines
- Production 20.000 tonnes nickel
- 1910: Kristiansand
Nikkelraffineringsverk A/S
- 1929: Falconbridge Limited
- 1973: 1600 employees
- 2006: Xstrata plc
- 2013: Glencore International Ltd





Nikkelverk



Annual capacity:

- 92 kt nickel
- 39 kt copper
- 5.2 kt cobalt
- 115 kt sulphuric acid

Energy:

- 640 GWH / a

Employees:

- ~550 employees
- ~30 apprentices
- ~60 contractors

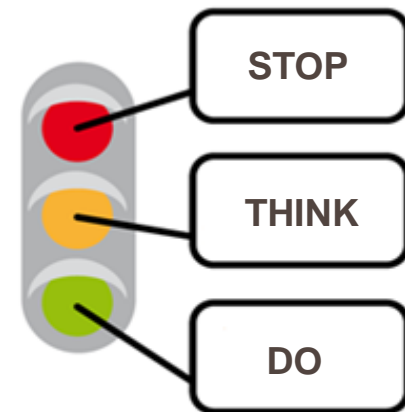




Safety is our core value



1.
Do you follow procedures?
2.
Do you use right equipment?
3.
Have you thought about risks you can meet before starting the job?
4.
Do you think of your own and others' safety every day at work, and complete a STOP and CORRECT if you see a hazard?
5.
Do you participate actively in safety meetings?





7 lifesaving rules



Life-saving rule number 1
Never walk under a suspended load



Life-saving rule number 2
Always ensure the required permission before entering confined areas



Life-saving rule number 3
Always be secured when working at height



Life-saving rule number 4
Always use safety equipment when handling chemicals



Life-saving rule number 5
Release and secure energy and effort when working on equipment



Life-saving rule number 6
Never set a safety barrier out of action without approval



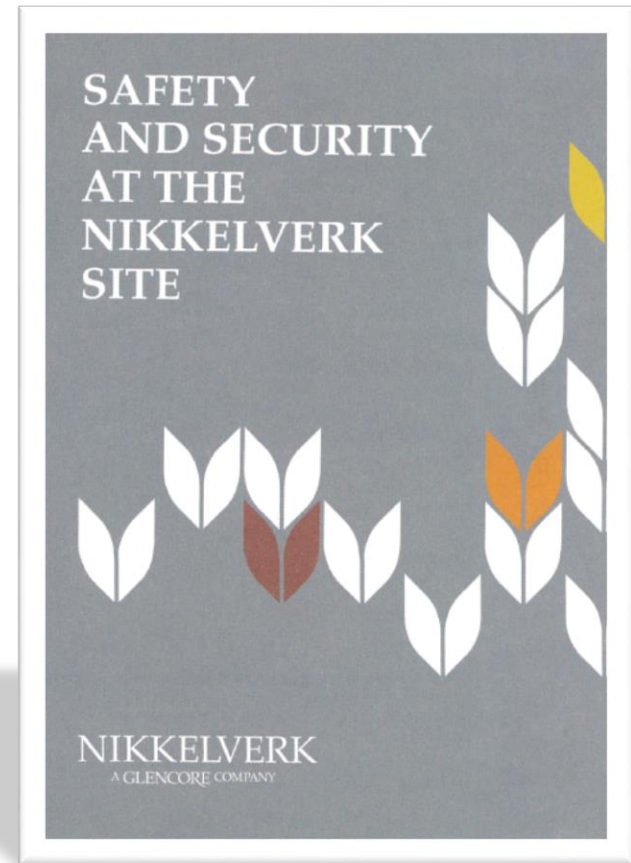
Life-saving rule number 7
Do not break the security zone between vehicles and pedestrian without a clear signal





Health and safety above all

- Emergency Exits
- Rally Point - either outside the building or the main parking lot depending on the nature of the event
- Emergency or 1333 or 3810 1333
- No smoking
- Photo prohibition
- Chemical toxicity (Cl_2 , SO_2 , propane, H_2S)
- Traffic Conditions - follow the marked pedestrian crossings, yellow jackets
- Protective Equipment for visitors
- Pacemaker





Our values

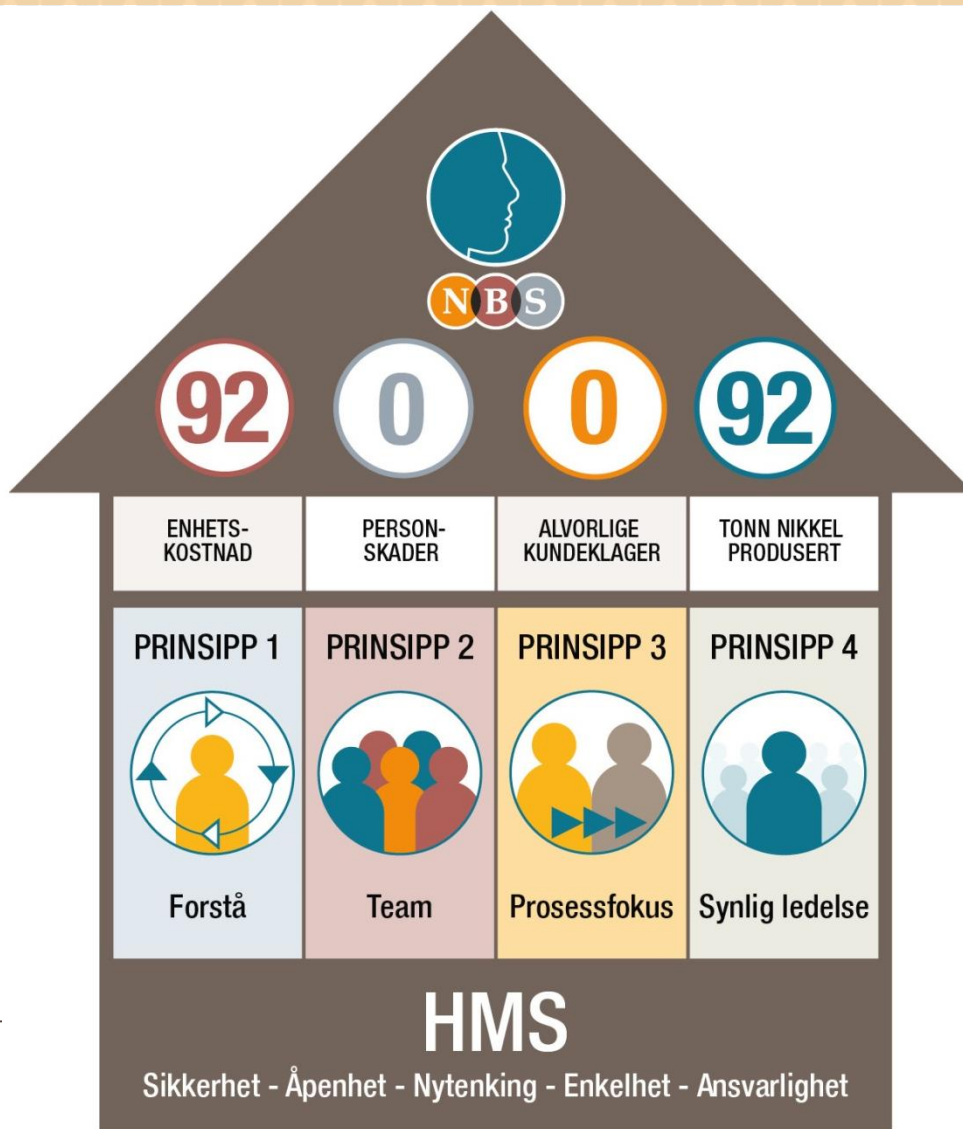


- Safety
- Simplicity
- Responsibility
- Entrepreneurialism
- Openness



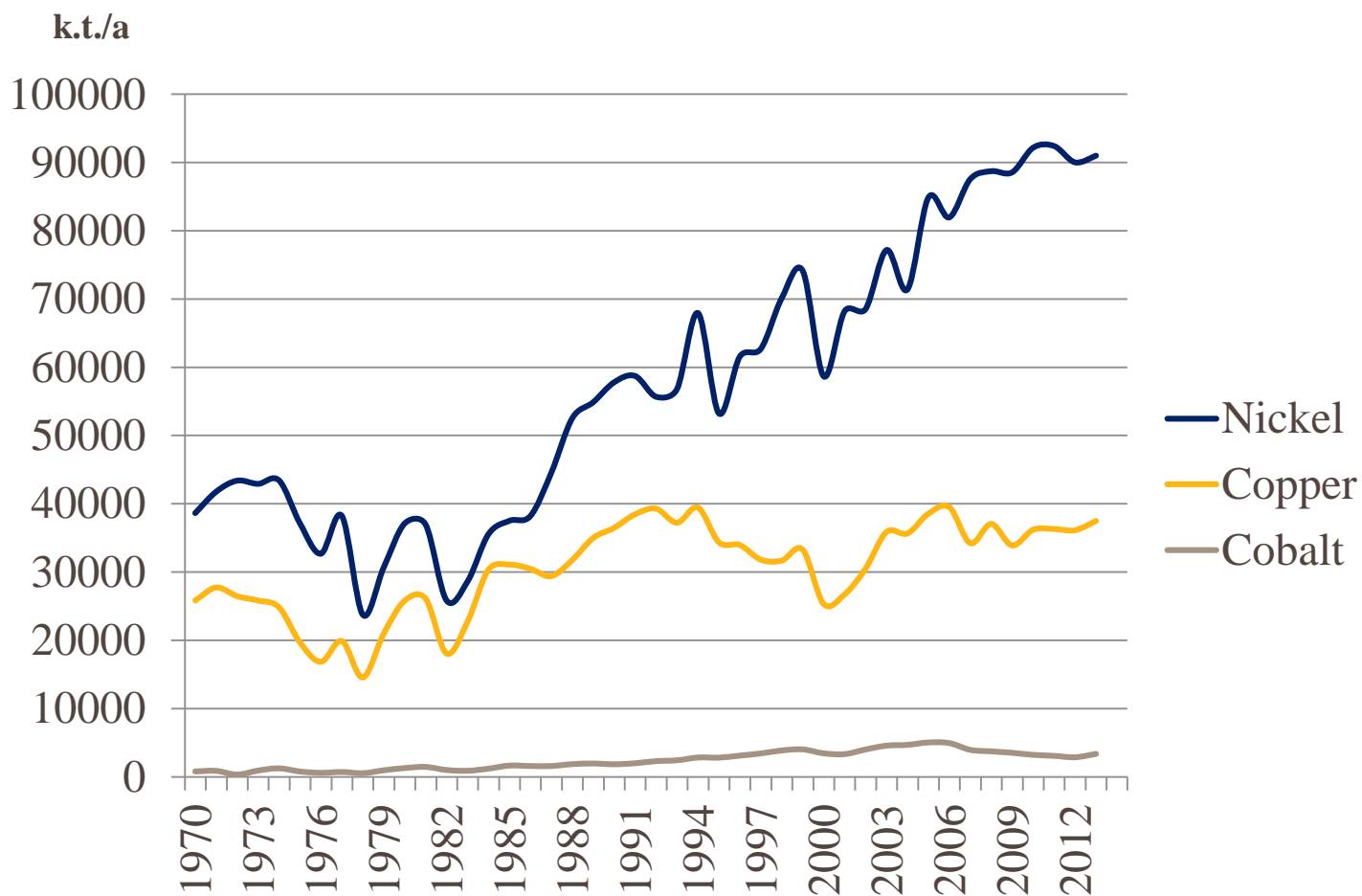


Focus on improvements





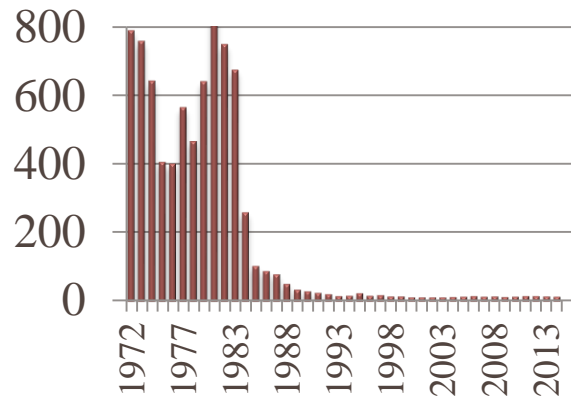
Production 1970-2015



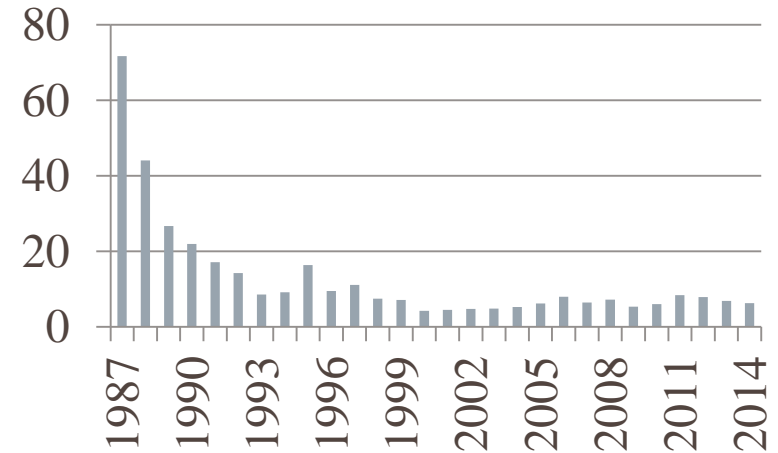


Environment

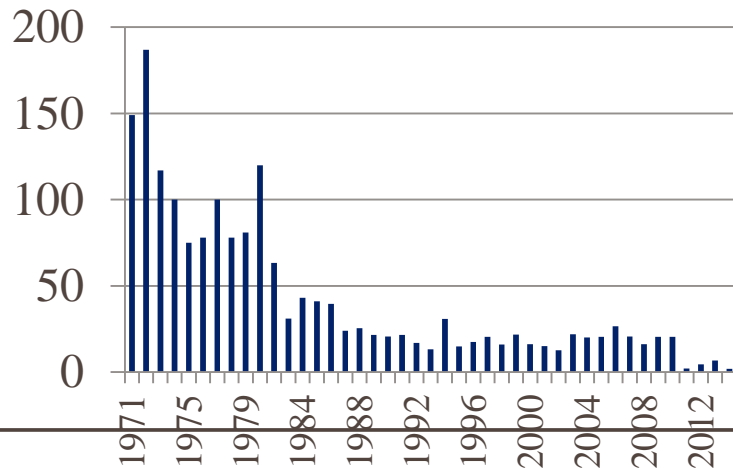
Ni+Cu+Co kg/day 1970-2015



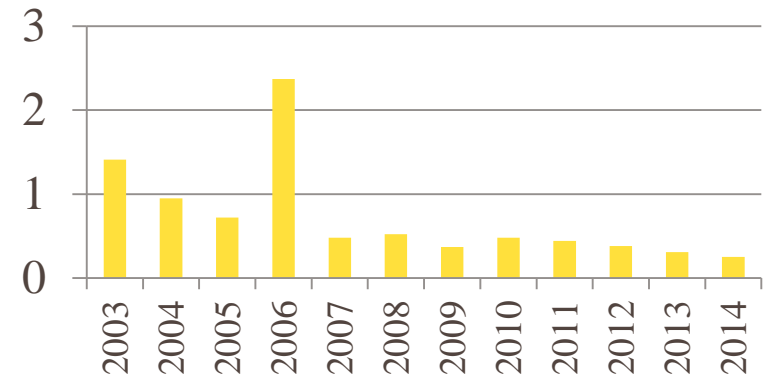
Ni+Cu+Co from 1987- 2015



SO₂ kg/hour



As kg/days

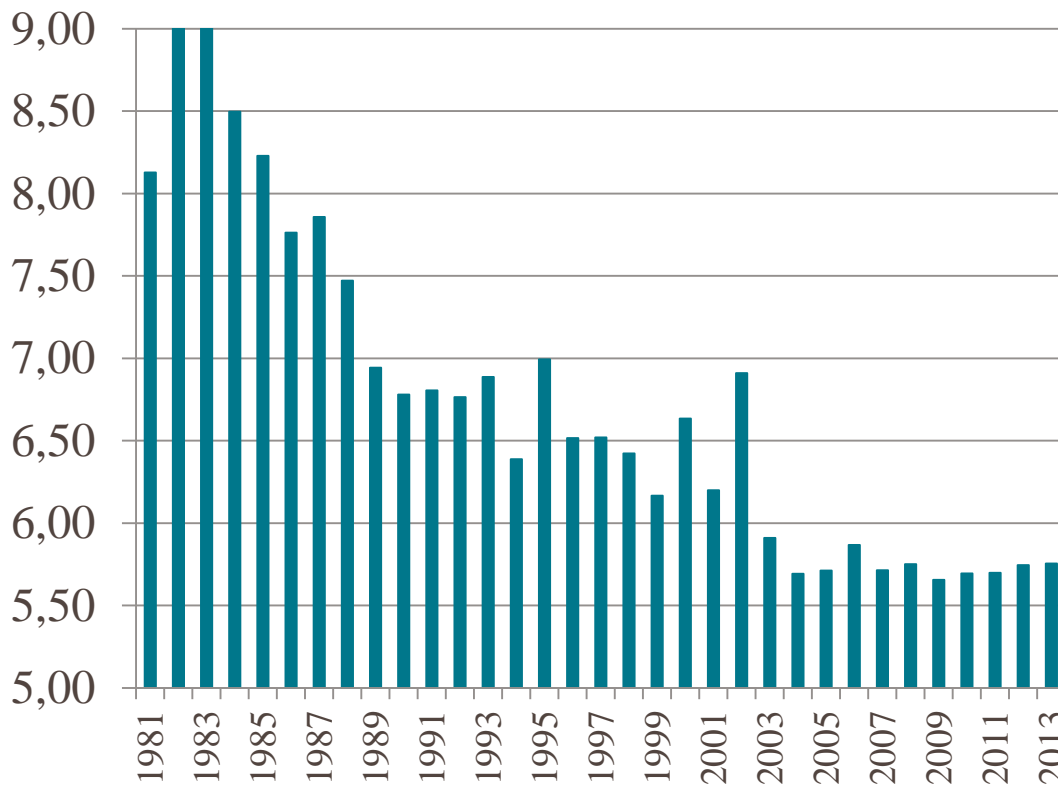




Energy

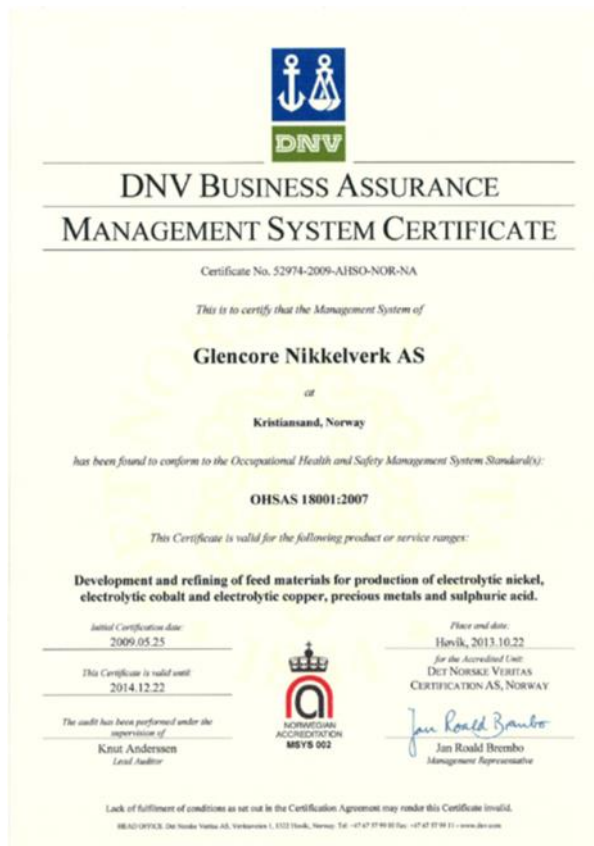


Specific power consumptions





Certifications



ISO 9001 – Quality

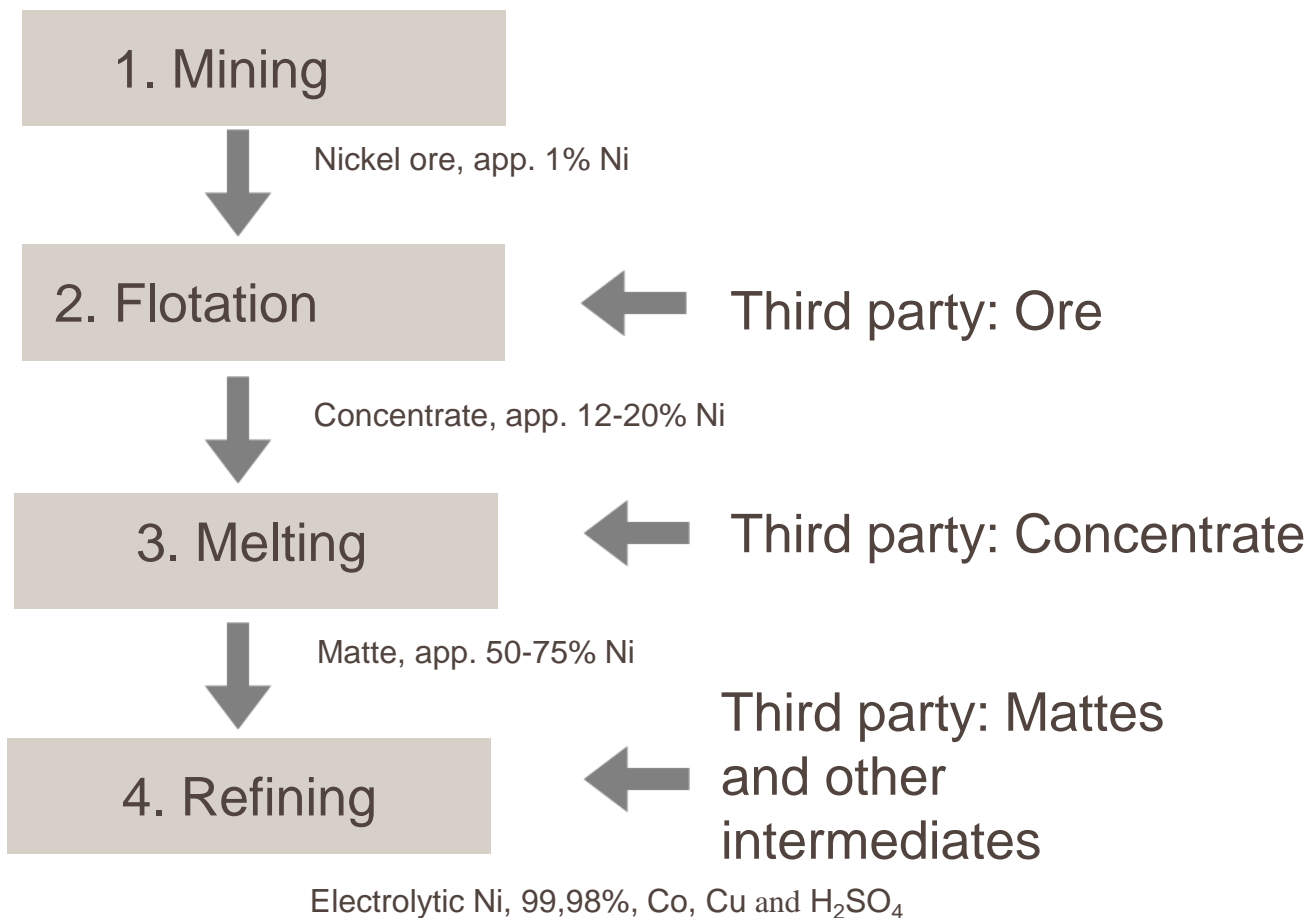
ISO 14001 – Environment

OHSAS 18001 – Health and Safety

ISO 50001 - Energy

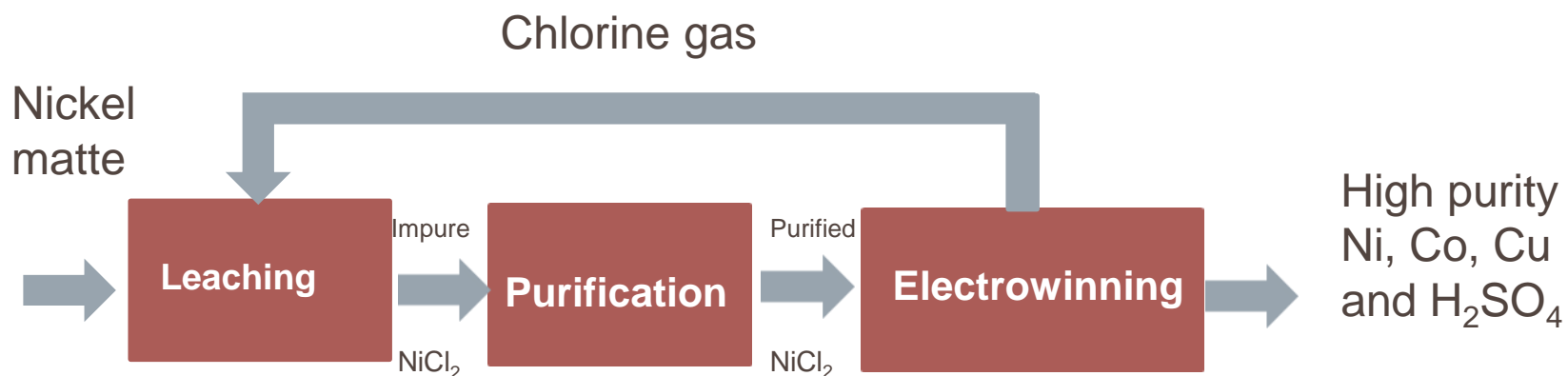


Production flow - Nickel





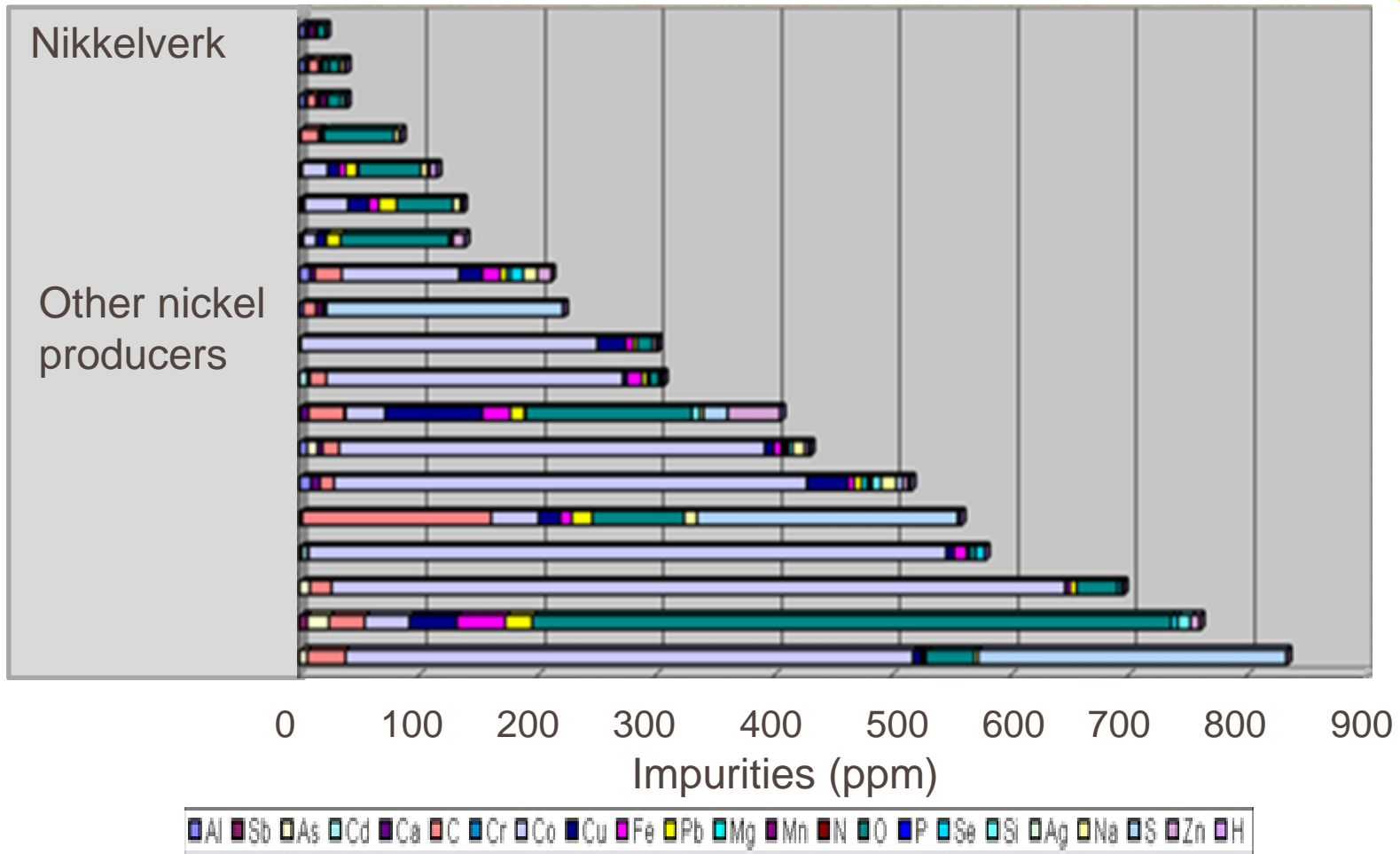
Process principle at Nikkelverk





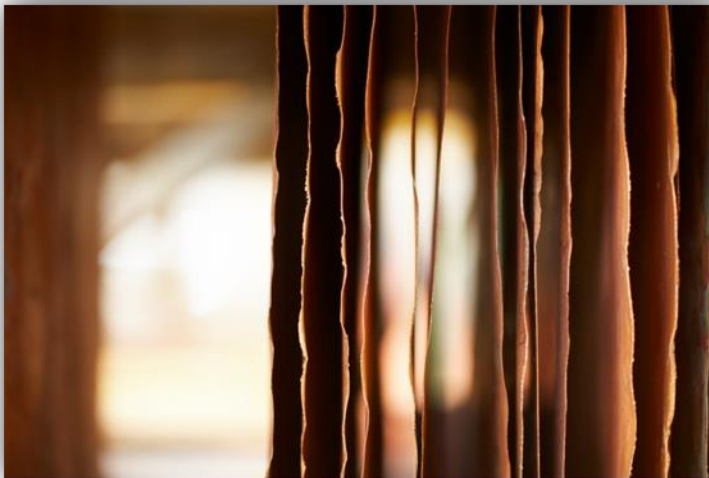


Nikkelverk nickel is the highest purity nickel available in the market





Our products

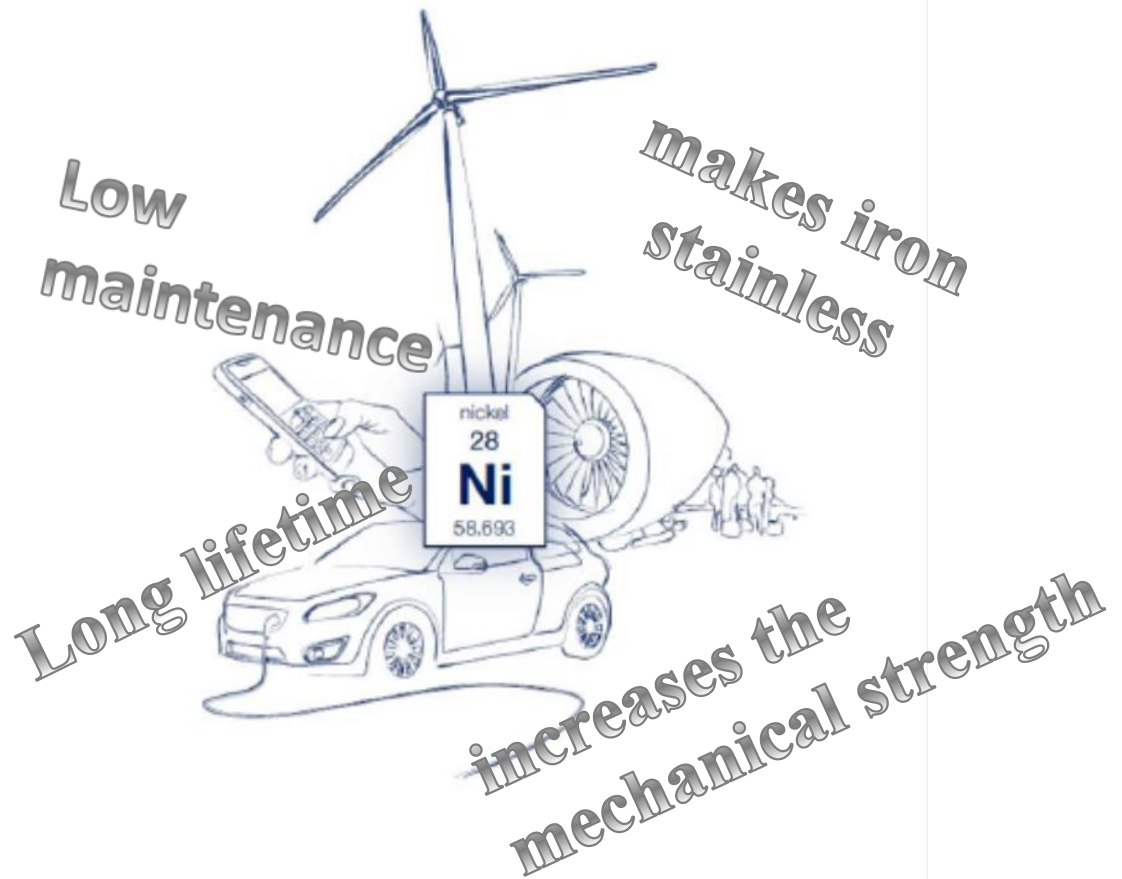




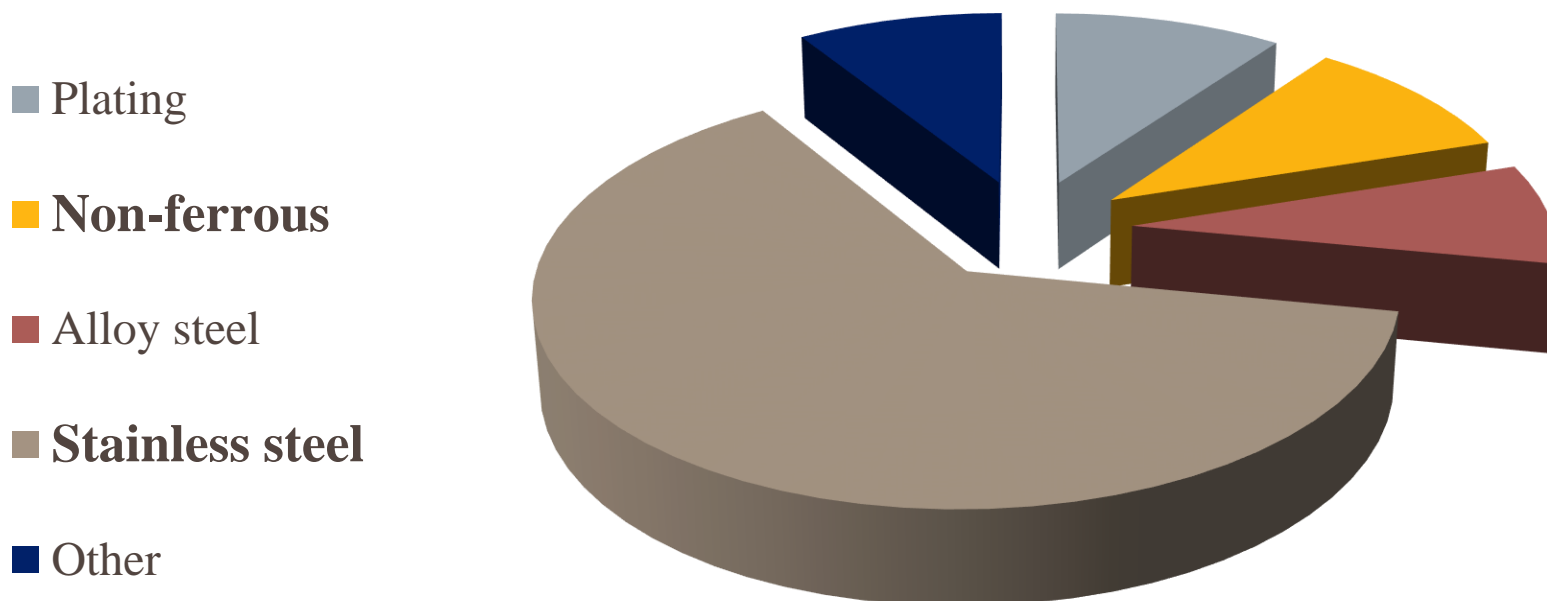
Product characteristics



Nickel has many unique properties that make it possible to combine with other metals which may be processed to hundreds of alloys. All are 100% recyclable.



First use

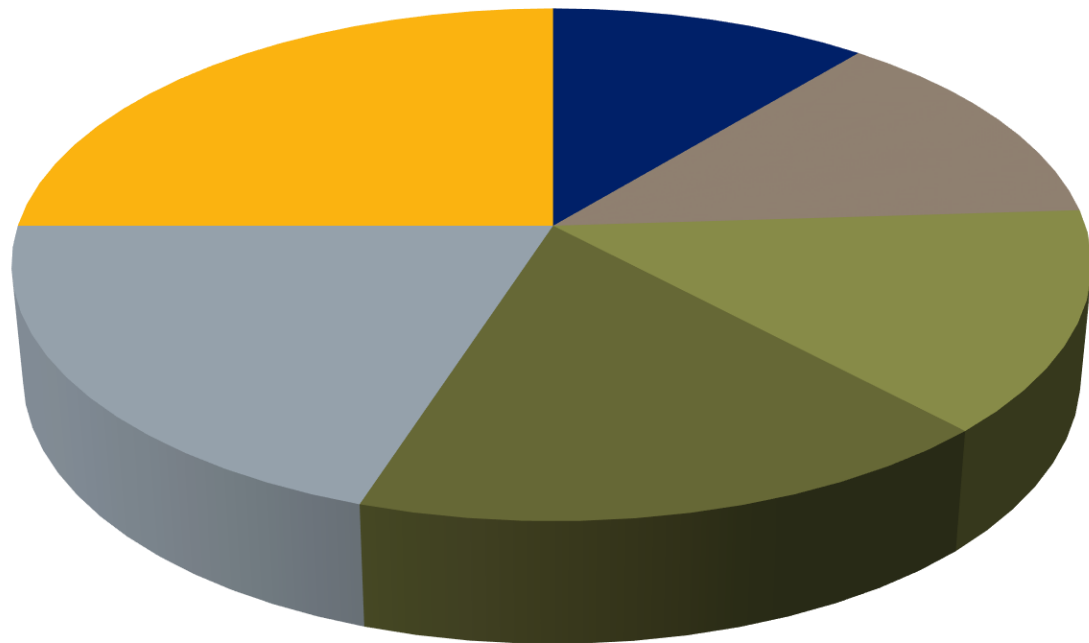




Second use

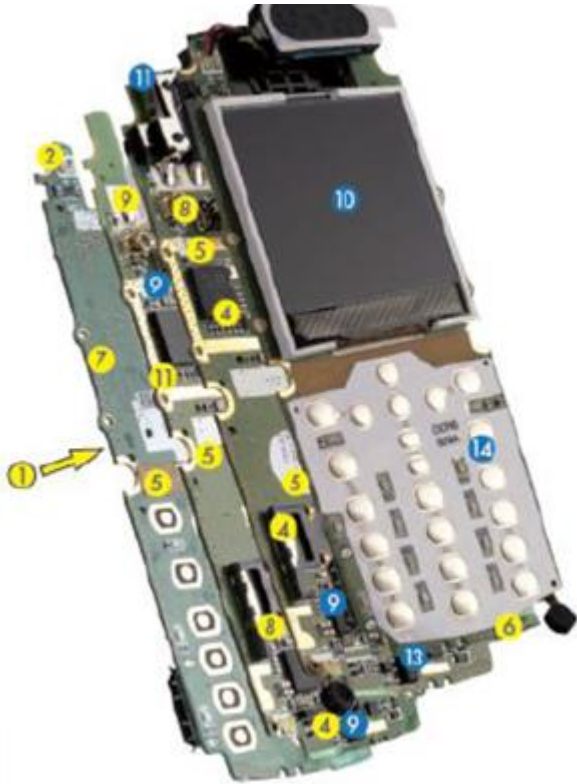


- Tubular products
- Electronic products
- Building and construction
- Transport





Useful nickel



No nickel....
No cell phone....



Useful nickel



No nickel...
No hybrid cars.....



Useful nickel



No nickel
No airplanes



Thank you for your attention!
Questions?