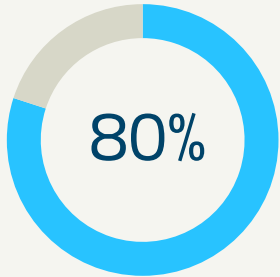


# Transformation towards a sustainable future

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Health and safety at LKAB 2022

# Europe's leading mining and minerals group



LKAB mines around 80 % of all iron ore within the EU

1890

LKAB is one of Sweden's oldest industrial companies and is owned by the Swedish state

48.8

Net sales of SEK 48.8 billion in 2021

12

The group is present in 12 countries

3.4

Approximately SEK 3.4 billion investments towards carbon-free processes and products in 2021

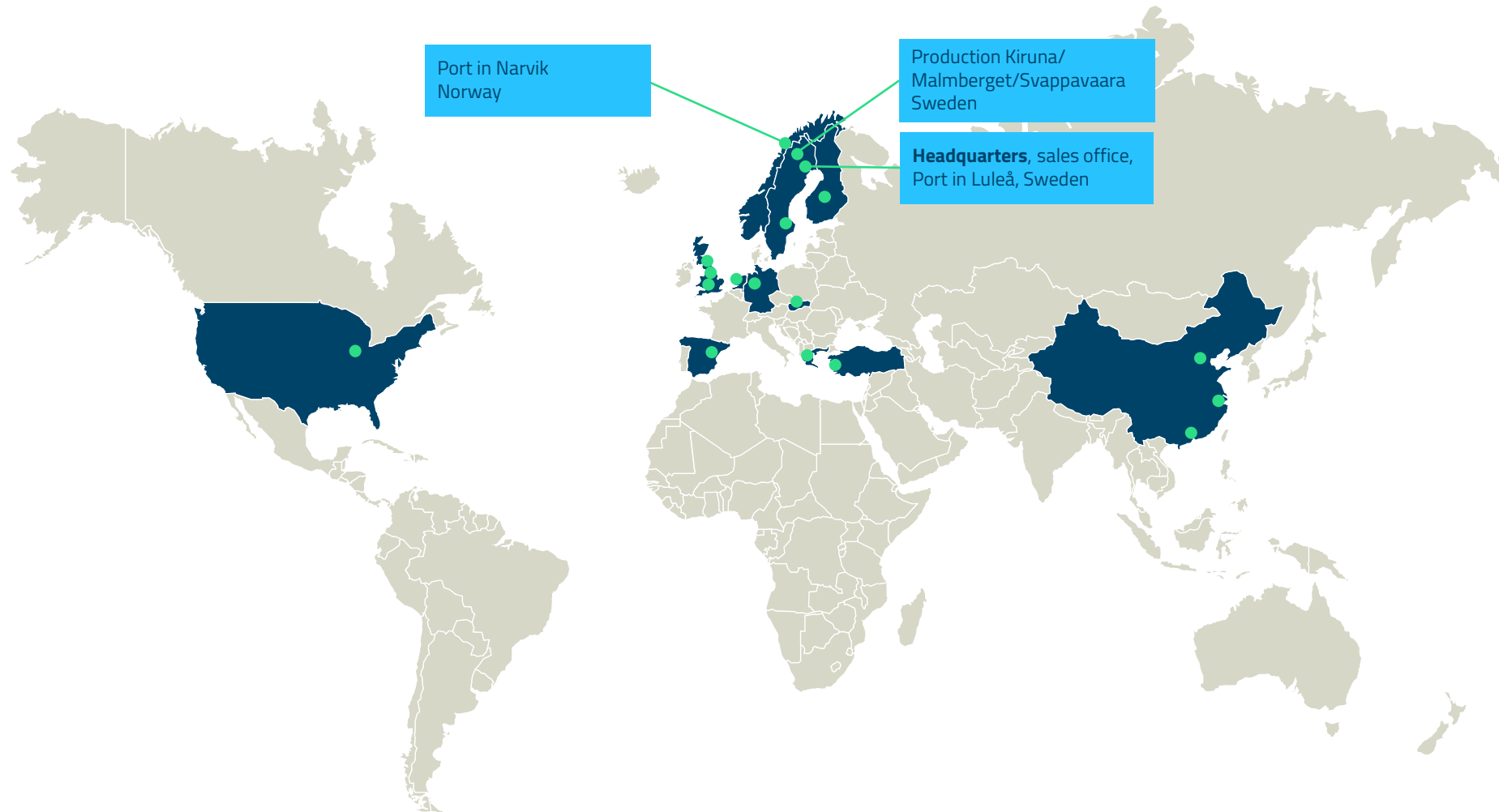
4 500

Average number of employees

27

27 million tonnes iron ore products were delivered in 2021

# Based in Sweden – global outlook



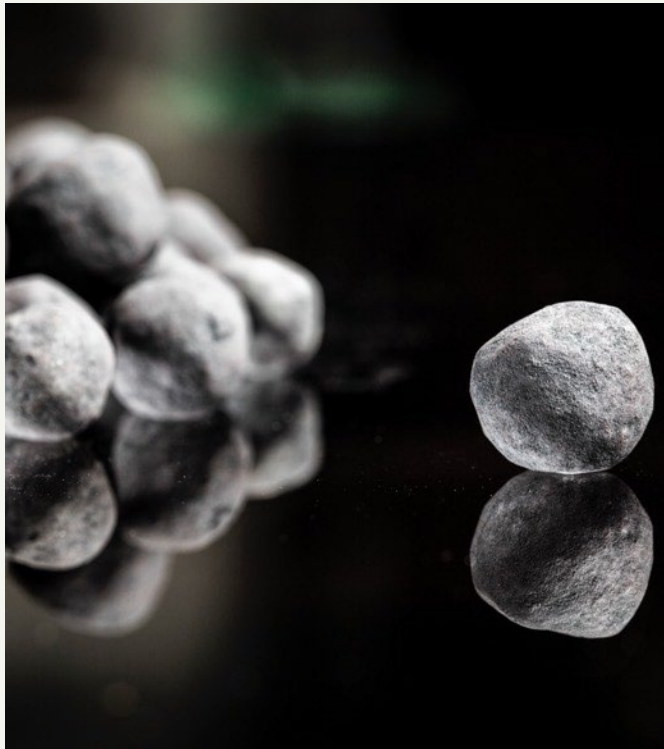
# Based in the Swedish orefields



# Our iron ore products

Climate-efficient high-grade iron ore products for the global steel industry

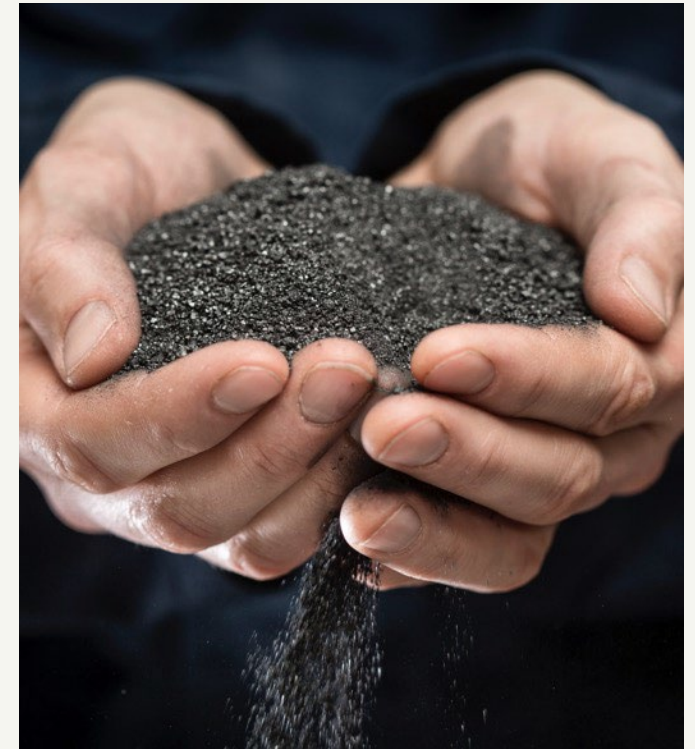
Blast furnace pellets



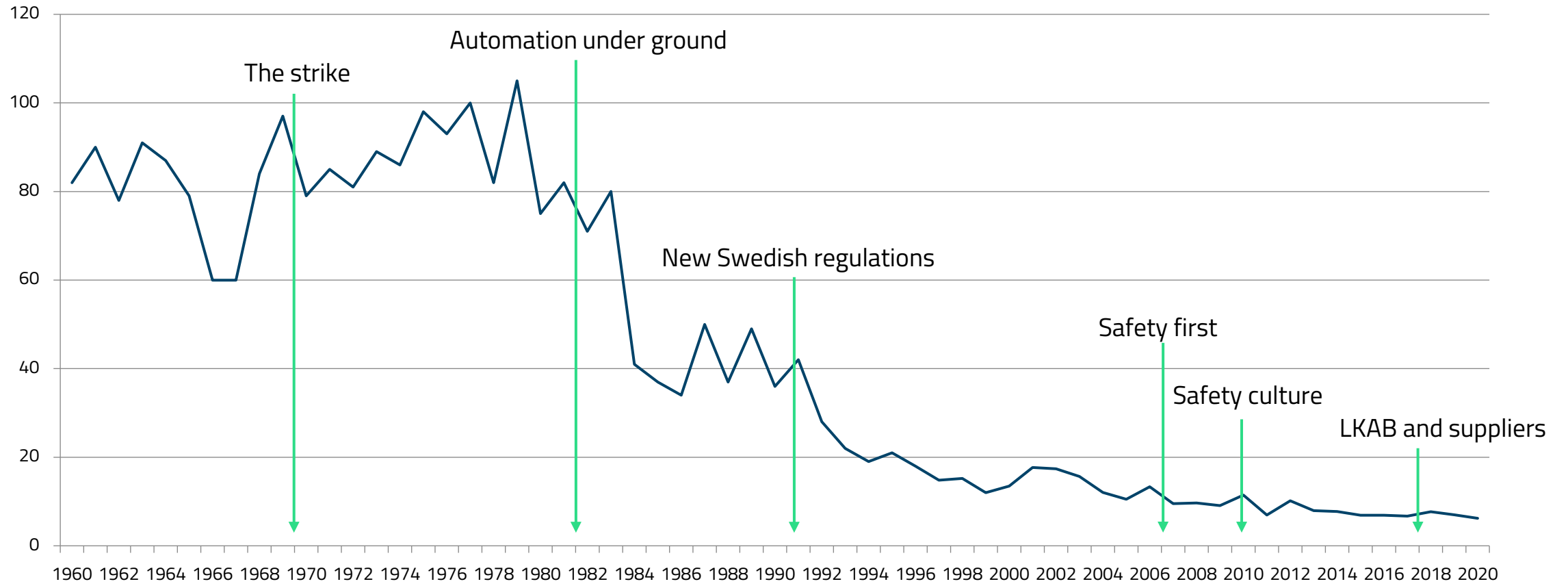
Direct reduction pellets



Fines

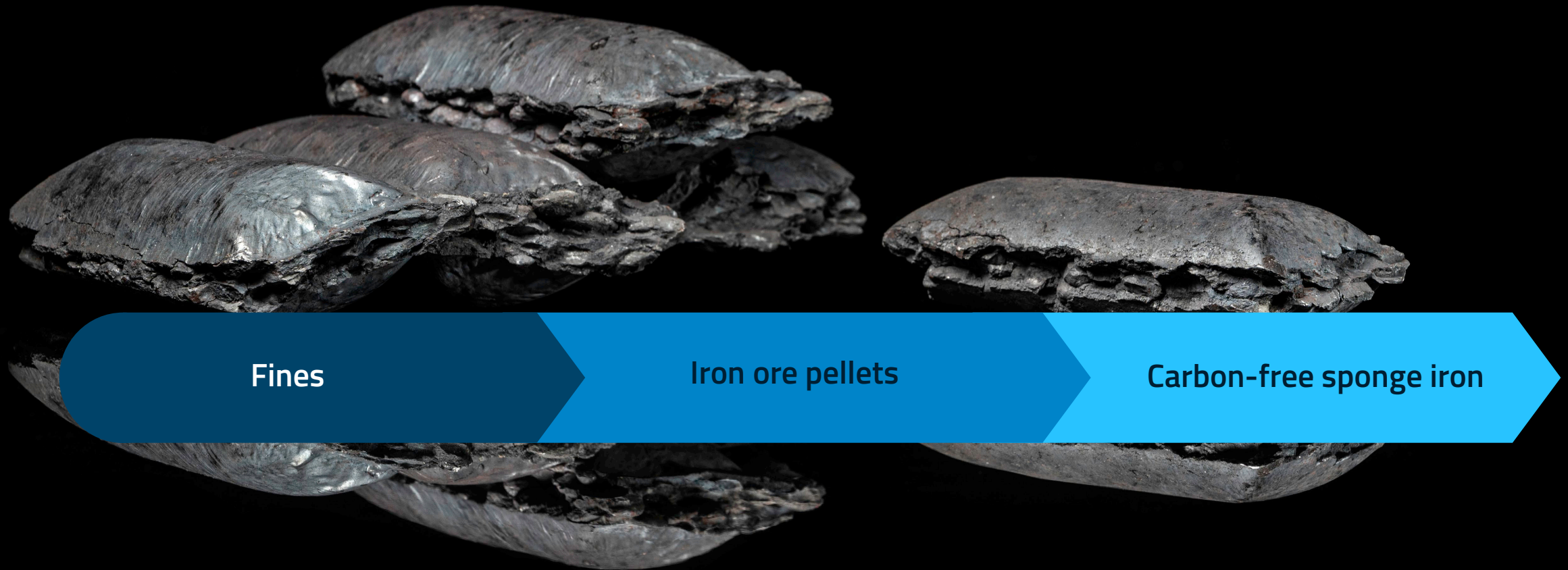


# Lost time accidents frequency 1960-2020



# We take a step forward in the value chain

From iron ore pellets to carbon-free sponge iron



# Our strategy enables reduced emissions and increased sales

> 40 million tons

Reduces carbon dioxide emissions by 40-50 million tonnes at global customers

≈ 100 %

This corresponds to nearly all of Sweden's current greenhouse gas emissions

X 3

Will triple our revenue through higher value added





# Three important areas are leading the transformation



**New world standard  
for mining**

**Carbon-free sponge iron  
with hydrogen technology**

**Extract critical minerals  
from mine waste**

# New world standard for mining

New technology and strategic partnerships



**Digitalisation**

**Automation**

**Carbon-free**

# Extensive investments

Creates regional and national growth and thousands of jobs

- SEK 10-20 billion a year during a 15-20 year period (roughly 40 billion USD)
- The investment phase provides about 3,000 jobs a year for our investments
- Massive investments in expansion of renewable energy and hydrogen



# Challenges to overcome

**Permit  
processes**

**Mining at  
great depths**

**Capacity on the  
Ore Railway**

**Skills  
supply**

**Access to re-  
newable energy**

**By being committed, innovative and responsible, we will ensure a safe and healthy work environment in all of our workplaces.**

We will focus on four sub-areas, all of which are decisive for developing a safe and healthy workplace:



**Safety**



**Health**



**Inclusion**



**Well-being**

# Research and development

- NIOSH Automation study
- Organizational and social work environment for managers (OSWE). Luleå University of Technology (LTU)
- Gender and safety culture. Vinnova and LTU
- Recruitment of PhD student – support in prioritizing correct health and safety activities

# Contact



**Moa Karlsson**  
Engineer (health and safety)  
[moa.karlsson@lkab.com](mailto:moa.karlsson@lkab.com)



**Jim Kostet**  
Senior strategist (health and safety)  
[jim.kostet@lkab.com](mailto:jim.kostet@lkab.com)



**Johan Larsson**  
Senior strategist and adjunct  
professor of Human work sciences  
[johan.larsson@lkab.com](mailto:johan.larsson@lkab.com)



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