



GREEN MINERALS



Energiskiftet

Stavanger

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Green Minerals as

One of two DSM players listed globally

Headquartered in Oslo

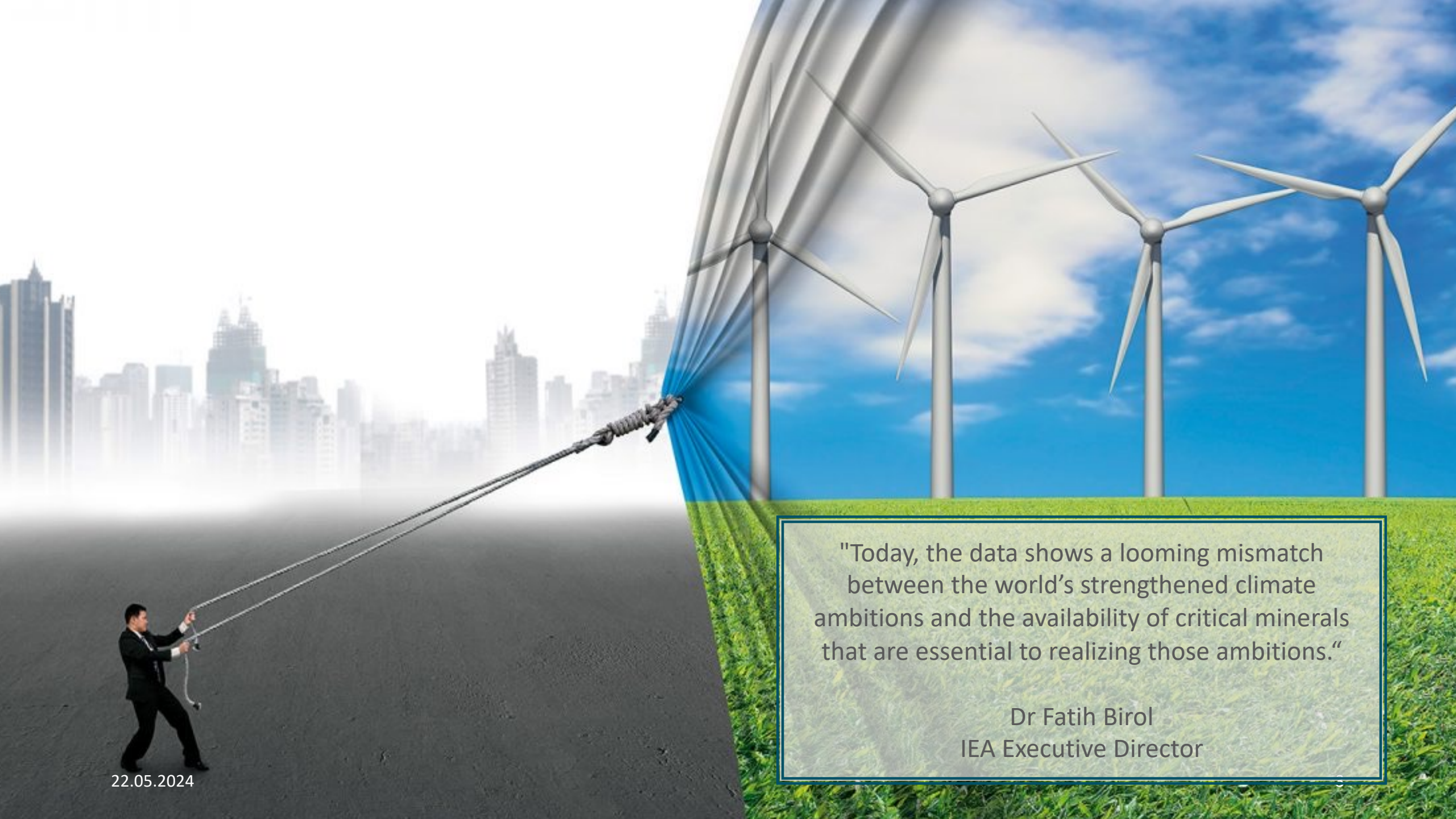
Listed in Oslo under ticker GEM NO

Market cap USD 8 mill

Norway opened up for DSM on 9 January 2024

GEM is approaching next phase - **license ownership**

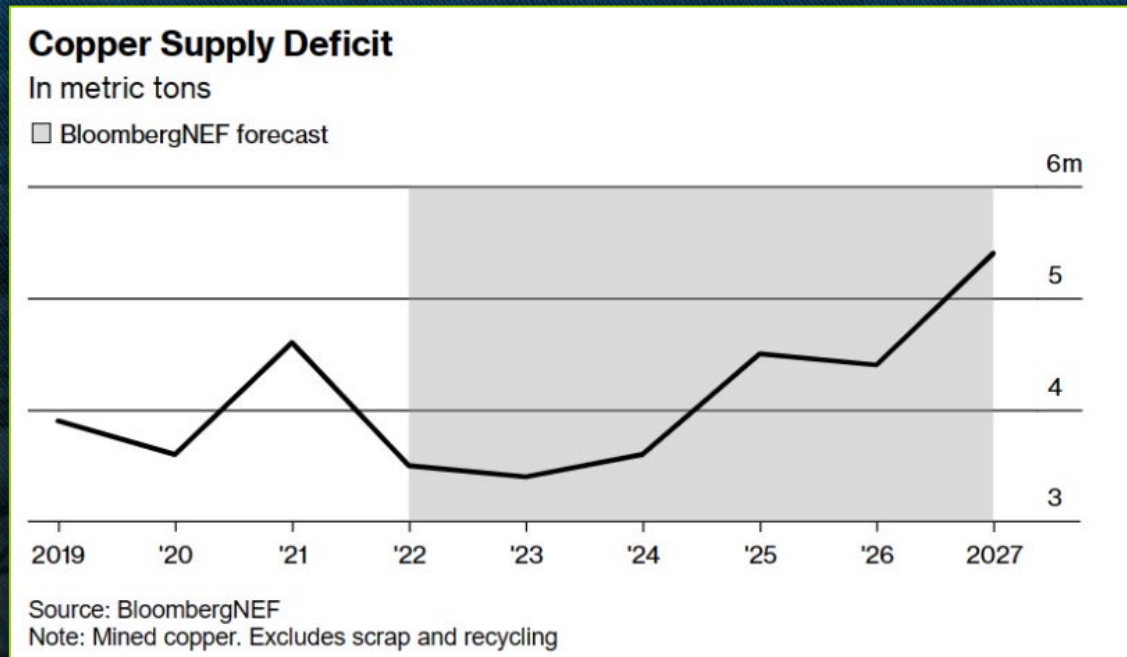




"Today, the data shows a looming mismatch between the world's strengthened climate ambitions and the availability of critical minerals that are essential to realizing those ambitions."

Dr Fatih Birol
IEA Executive Director

Copper deficit driven by grid and transport



Sprott

THE COPPER OPPORTUNITY

IN ONE CHART

Copper is essential for clean energy technologies such as solar panels, wind turbines and electric vehicles (EVs), as well as expanding electrical grids. **As demand rapidly increases, copper miners may be likely to benefit from the expanding supply-demand gap.**

PROJECTED COPPER SUPPLY VS. DEMAND

Transport
The demand for copper in the transport sector is projected to increase by 11.1 times by 2050 from 2022.

Grid
The demand for copper for the expansion of the global electricity grid is projected to increase by 4.8 times by 2050 from 2022.

Construction, Electronics and Other Uses

COPPER SUPPLY

Wind **Batteries** **Solar**

60 million metric tons

50

40

30

20

10

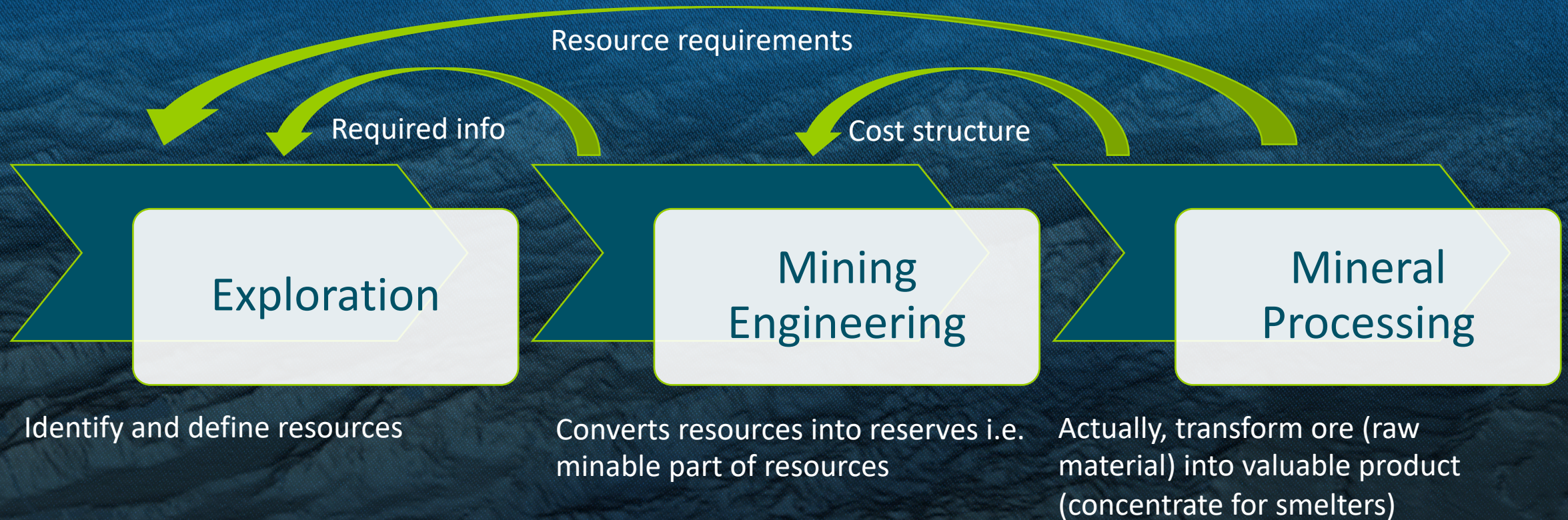
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2025P 2030P 2035P 2040P 2045P 2050P

SOURCE: BloombergNEF Transition Metals Outlook 2023. Demand is based on a net-zero scenario, i.e., global net-zero emissions by 2050 to meet the goals of the Paris Agreement. For illustrative purposes only. *Projected data.

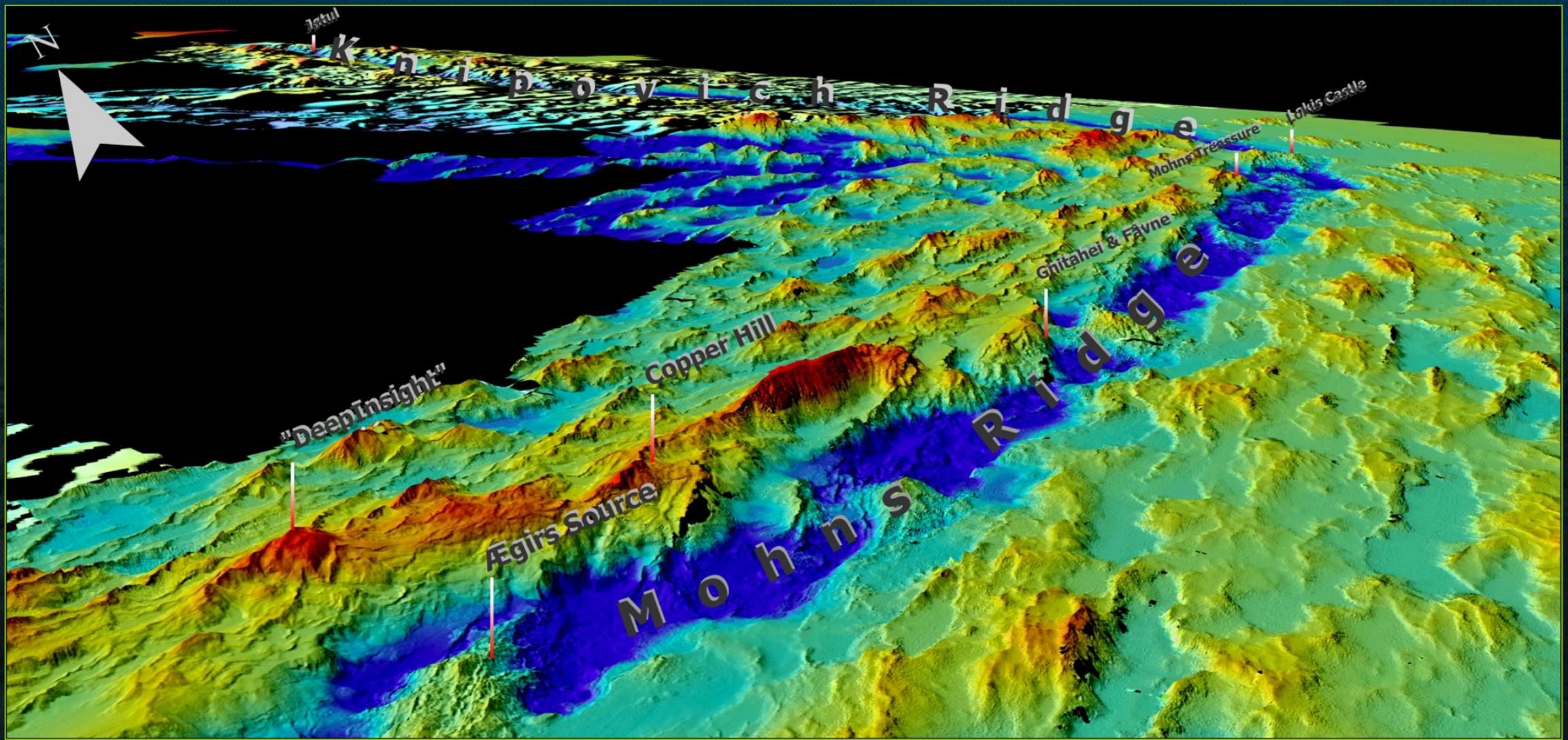
As the world embraces clean technologies, the search for and expansion of copper mines will be essential. Early investors who gain exposure to copper miners may benefit from the rapidly increasing demand.

The value chain of marine minerals



=> Understanding the feedback loops is necessary to support the anterior activities

A geological hotspot

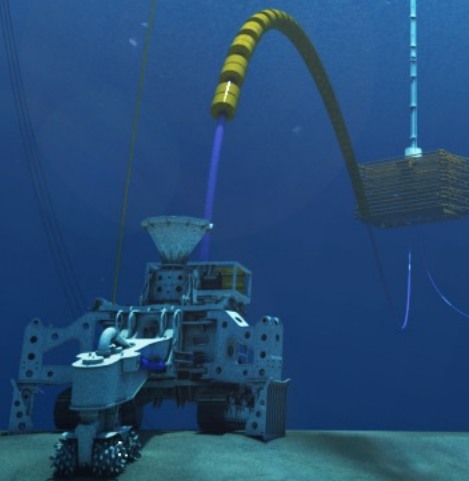


Concept for SMS mining system in Norway



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OSIMinerals™



Blendability study (SMS)-> Enabling our business strategy

Building a new processing plant means high CAPEX : long Life-Of-Mine (LOM) requirements

Need to discover several SMS deposits to sustain long production before making FID

Exploration time will be longer and expected revenues further in the future.

SMS ore are genetically related to other copper ores.

Business strategy: Integration of SMS ore in the existing copper processing flowsheet.

Reduction of consolidated resource portfolio

Reduction of exploration time and shorter route to first revenues

Win/win paradigm for existing aging mine by longer use of already spent CAPEX, and boosting of marginal ore

- 5-8000 tonnes/day ore to surface
- 1,5Mt ore/year



Existing facility

New facility

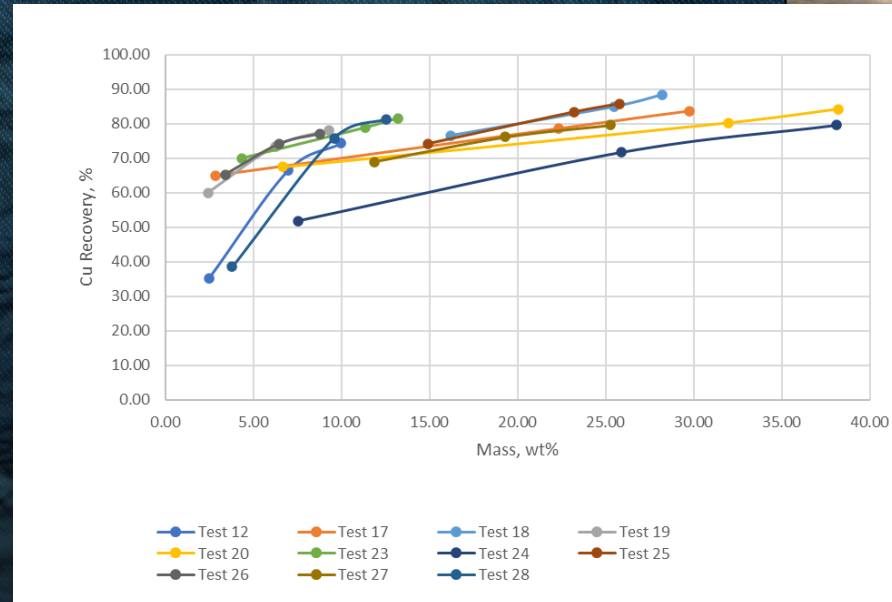
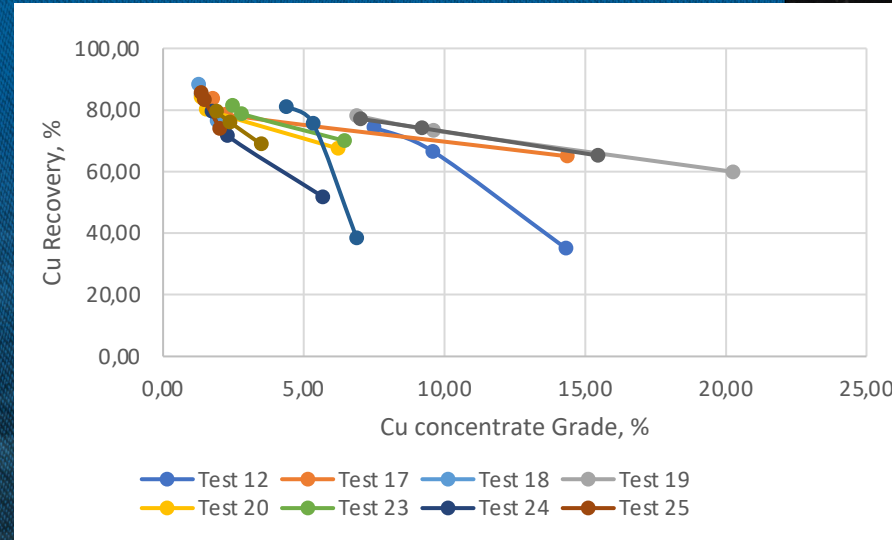


- 5 years production
- 7,5 Mt ore for project life

- 10-15 years production
- 15-22,5 Mt ore for project life

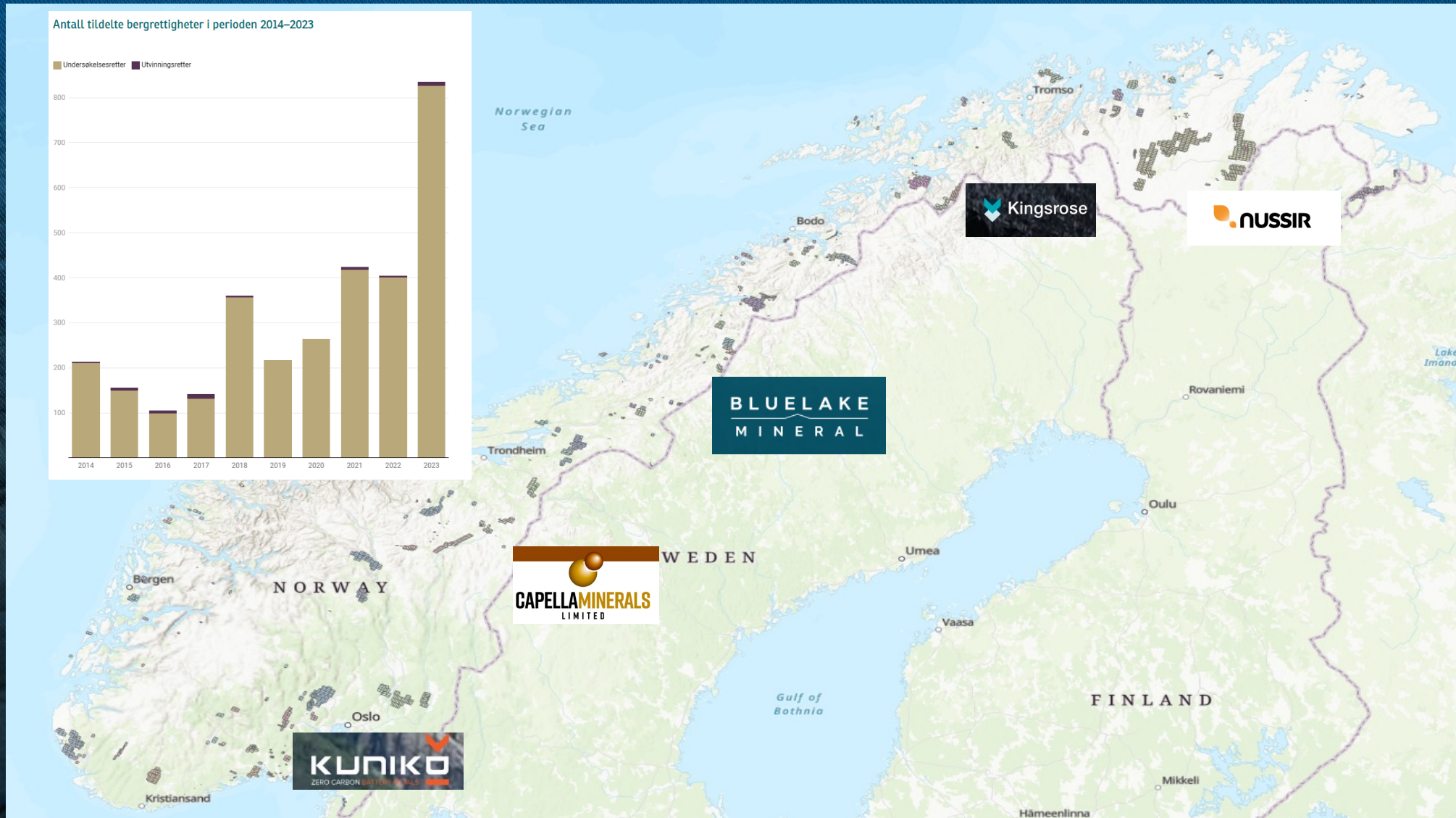
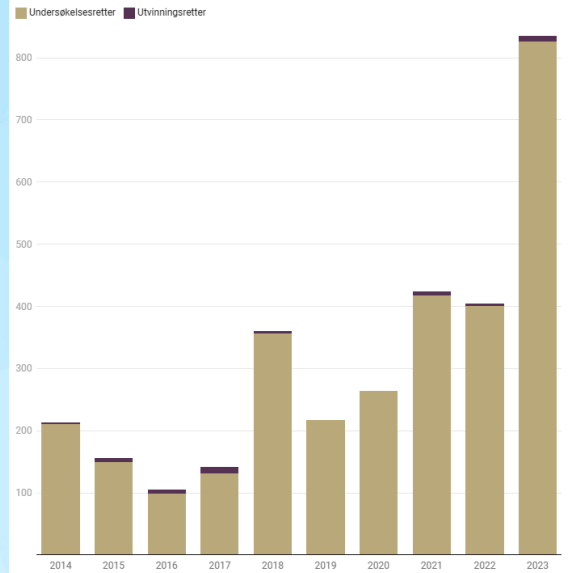
Blendability proven

- 15 tests with different:
 - VMS/SMS ratios
 - Commonly used Reagents for floatation/depression
- Same comminution (d80 - 35µm)
- => SMS can be floated together with other copper ores
- => SMS can be introduced within the same comminution
- Business plan for smaller reserves stands



Increased activity

Antall tildelte bergrettigheter i perioden 2014–2023



Q&A



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THANK YOU!