

loke

Investors











Industrial Partners









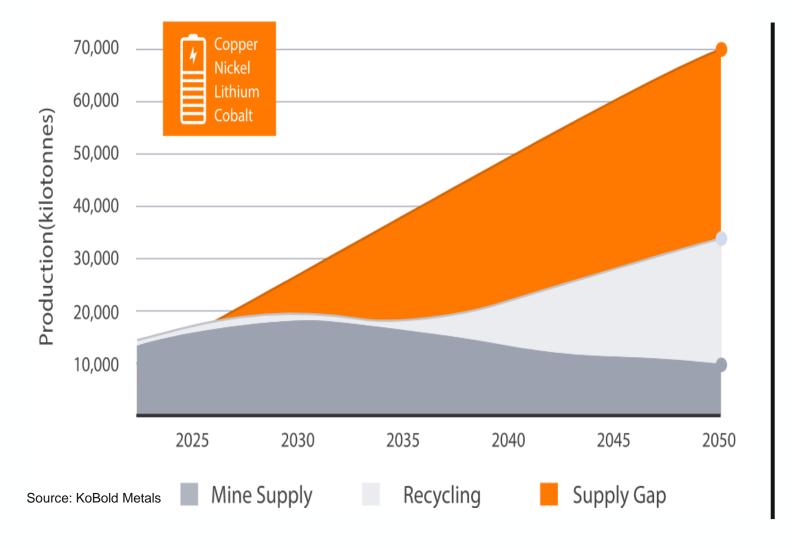




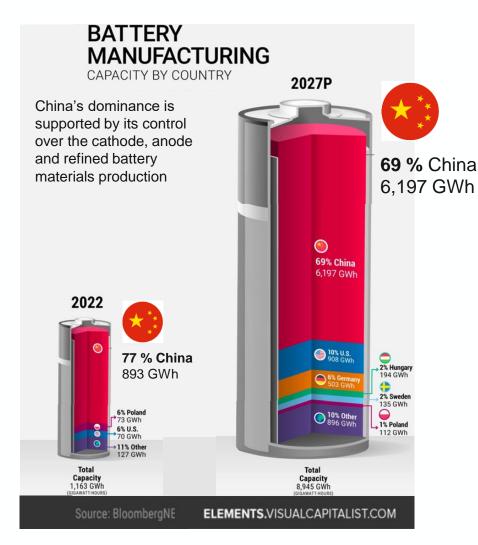




Demand and Supply - Please Mind the Gap

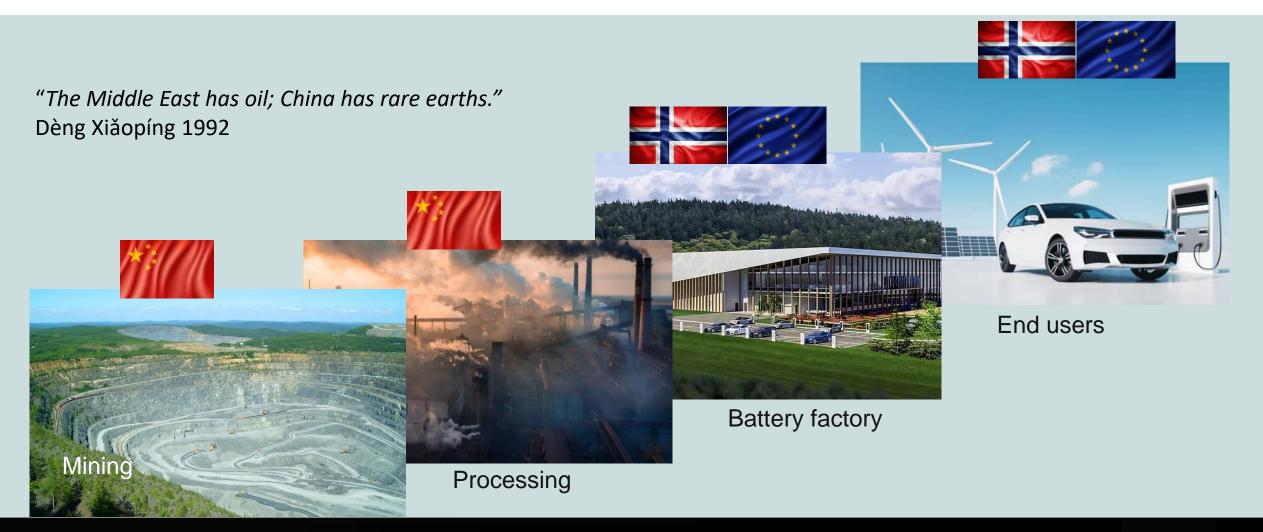


China dominance will continue



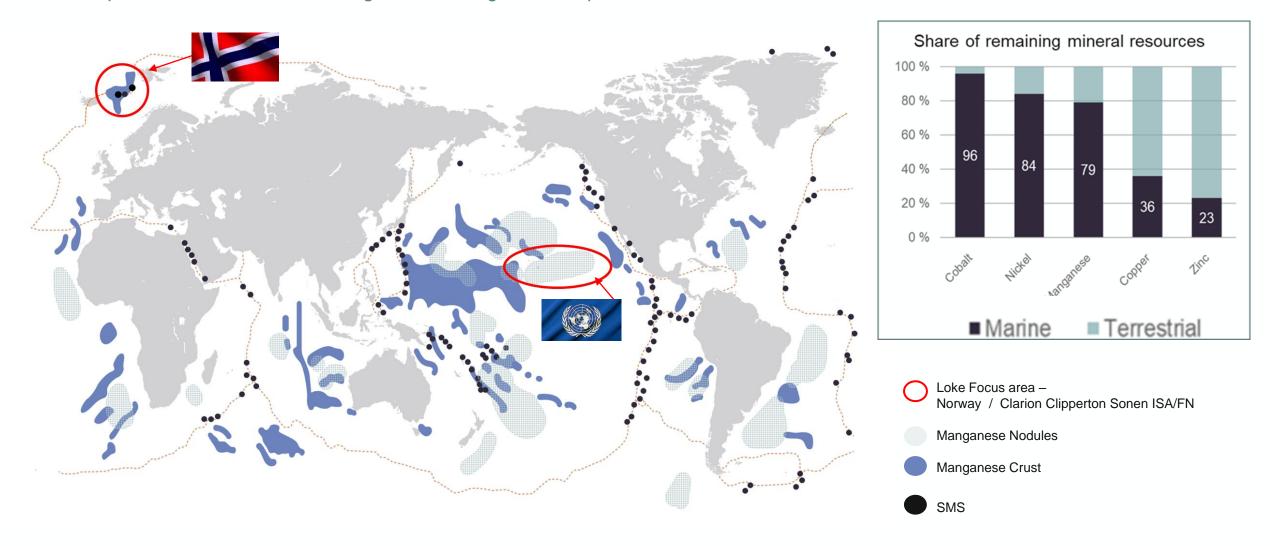
The Green Energy Transition Paradox

China is doing the dirty laundry for the green energy transition



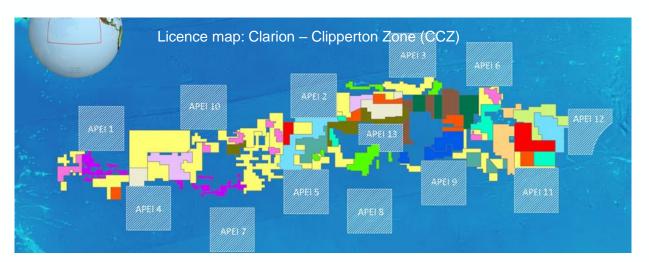
Loke's Twin Engine Approach – Crust / Norway and Nodules / Internationally

Deep Sea Minerals holds the largest remaining undeveloped resources of several of the critical minerals



Loke to become a major Manganese Nodule license holder

The Clarion-Clipperton Zone (CCZ) in the Pacific Ocean is the most prospective area in the world for Deep Sea Minerals



The CCZ is estimated to contain 21 billion dry tons Nodules (USGS): Corresponding to :

Nickel: 250 M tons or 45 X 2030 global demand

Cobalt: 40 M tons or 150 x 2030 global demand



700+ Resources Million tons nodules

2030 Target production start, deliver FID in 2027

Billion dollars NPV of single development

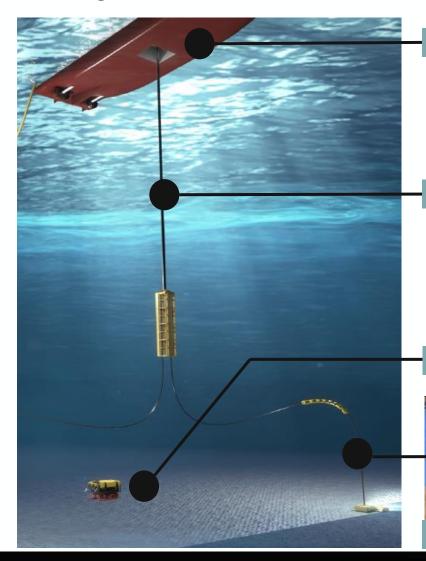
The acreage has the resource potential to support 20 years of production for 15+ vessels

30+ <u>Billion</u> dollars NPV of Loke full scale plan

& No - Toxic Waste

Developing and qualifying enabling technology

Leverage Cornerstone Investors know how from Subsea Oil & Gas



Production Vessel



Nodule Vertical Transportation System and Power



Nodule Sampler



Nodule Collector

Main focus areas

Vessel capacity, handling system, dewatering system and bulk transfer systems together with ESG efficiency

Vertical Transportation system performance and reliability

Minimize plume, noise and vibration to ensure deliver most ambitious ESG goals

Accelerate transit time between sampling locations

Collection efficiency and minimum seabed disturbance

Reliability of collection system to maximize operational uptime

Deliver total system capacity to drive revenue and margin



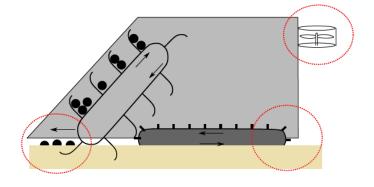


<u>atdepth</u>

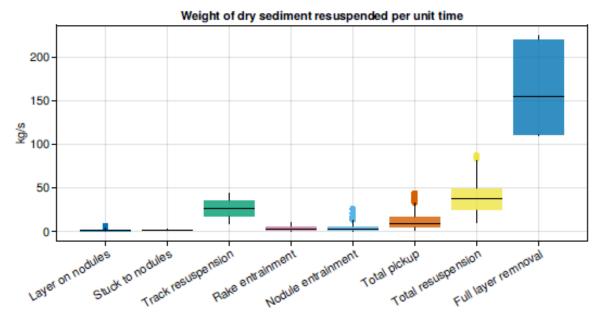
Minimum Plume Collection System

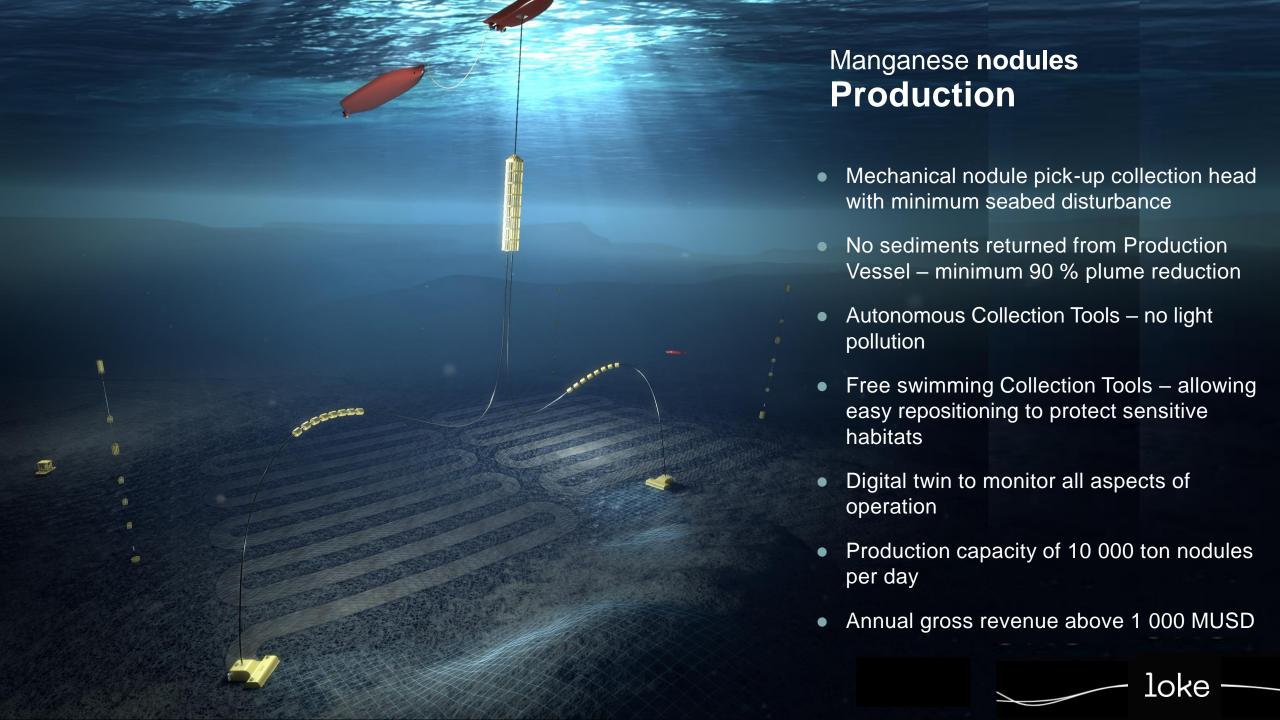
Collector System design analyzed by Atdepth LLC (MIT):

- The Loke Collector design has been modelled and analyzed by Atdepth LLC to quantify main plume contributions
- Loke concept design presents significant potential for plume reduction over full-layer hydraulic removal systems
- Plume reduction of over 90% can be achieved
- Roadmap for further reduction potential developed by Atdepth









Norway Opening Process - Public consultation period ended 27th of January

Expected Parliament voting spring 2023, followed by first licensing round in 2024?

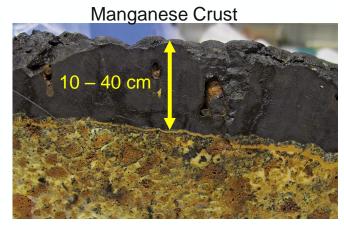
- Strong support from key Industrial stakeholders NHO, LO, Offshore Norge ++
- NPD Mineral resource report 2023; "Substantial resources on the Norwegian shelf"
- Manganese crust holds large resources with key minerals as:

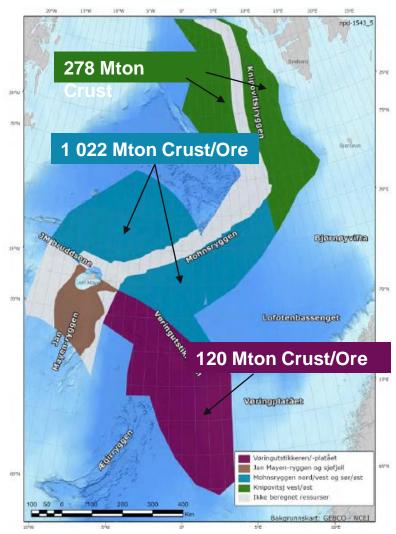
Cobalt –
3,1 Mt / Gross value: 100 billion USD

Vanadium –
1,9 Mt / Gross Value: 75 billion USD

Neodymium (REE) - 0,4 Mt / Gross Value: 80 billion USD

- Norwegian recourses can cover several decades of global demand for many critical REE
- Field example from NPD report
 - Inplace crust volume 56 Mt
 - Production period 20 years
 - Gross revenue of 20 billion USD
 - Compared to an oil field (80 USD/bbl)
 - Resources 250 million bbl









A new Industry for Norway - from Exploration to Battery Factories

Loke

Phase 1 – exploration, technology development & production

Phase 2 – Shipping & logistics

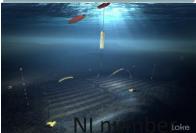
Phase 3 – midstream & downstream mineral off-take

Exploration



- Environmental baseline studies
- Remote/autonomous operations
- Survey AUV/ROV
- Resource/core sampling

Offshore production system



- · Production vessel
- Vertical transportation system
- · Mineral collectors

Shipping



- Shipment of ore minerals from production vessel to onshore base
- Decarbonized operation and transportation

Onshore base and processing facility



- Onshore base/terminal for mineral unloading
- · Processing of critical minerals with highest ESG rating
- · Nickel, Cobalt, Copper, Manganese and REE

Energy transition Metals



- · Energy storage and battery producers
- · Energy grid infrastructure
- · Solar and offshore wind component industry





















Seeking New Partners



