PROVIDING MINERALS FOR THE GREEN TRANSITION

Frontrunner in marine mineral exploration & production on the NCS



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Dramatic increase in

DEMAND FOR MINERALS

The green transition is expected to dramatically increase the demand for numerous key minerals. Low carbon technologies will be key drivers:

- Wind & Solar power
- Energy storage
- Electrification of transport
- Buildings, industries and other areas opting for smart solutions

The world is not running out for terrestrial mineral resources, but they come with an increasing cost, risk and environmental footprint. Marine Minerals will be important for securing the supply and provide supply independence. They are competitive in cost and come with a smaller environmental impact.





A new source

MARINE MINERALS

The extension of the Norwegian continental shelf with the inclusion the Exclusive Economic Zone (EEZ) was approved by the UN in 2009. This puts Norway in a leading position globally.

The Norwegian EEZ includes the Mid Ocean Ridge between Jan Mayen & Svalbard. The low spreading ridges in this area are favorable for hydrothermal venting, and creation of massive sulfides, containing copper and other minerals.

The legislation for Marine Minerals in Norway (2019) builds on the Petroleum law and aims to facilitate the exploration and production of mineral resources on the Norwegian Continental Shelf (NCS).

An impact study covering extensive areas was launched by the Norwegian Ministry of Oil and Energy in May 2020. The first license round will follow the completion of the impact study.





EXPLORATION



Mining for Marine Minerals faces similar challenges as those related to deepwater Oil & Gas activities. A crossover from O&G, in terms of environmental aspects, technology, methodology and operational experience, has thus the potential to unlock the great potential within Marine Minerals.

Norwegian companies have paved the way internationally within offshore exploration and appraisal technology, such as seismic surveys, EM, advanced drilling and autonomous underwater vehicles (AUV). These proven and familiar technology are part of our approach towards mapping and quantifying the resources.

Norway has a unique opportunity to become a leader within Marine Minerals, building on experience and competences from the oil & gas sector, focusing on a prudent environmental approach.



Our approach to

PRODUCTION

Norway has introduced groundbreaking technologies and environmentally sustainable systems within subsea production of oil and gas, and been leader within this field for decades. Subsea production systems have gone deeper and deeper, with factories at sea floor. A crossover of technology from subsea production systems is very attractive.

Norway has also a proud history and competitive edge within floating production systems, with fifty years of experience from building and operating floating oil and gas installations.





Building on decades of oil, gas and subsea experience

Loke Marine Minerals has a small core organization, and is developing its business model and activities through a series of partnerships, with international and highly reputed partners in academia and industry.

Loke Marine Minerals is a Member of the Norwegian Forum for Marine Minerals (NMM)



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