

SOKLI

More than a Mine

Turning Finland into a leading global hub for Critical Raw Materials extraction, processing & use



Overview of Sokli project

SOKLI

A unique deposit of Phosphate, Iron, Rare Earth Elements and Niobium

Asset



- + Sokli project consists of a unique mineral deposit and related infrastructure, e.g. piloting, mining, downstream processing and transportation
- + Mining planned to be started with the Loitso Laterite deposit, with life-of-mine of 20+ years, and options to extend to the nearby areas

Products

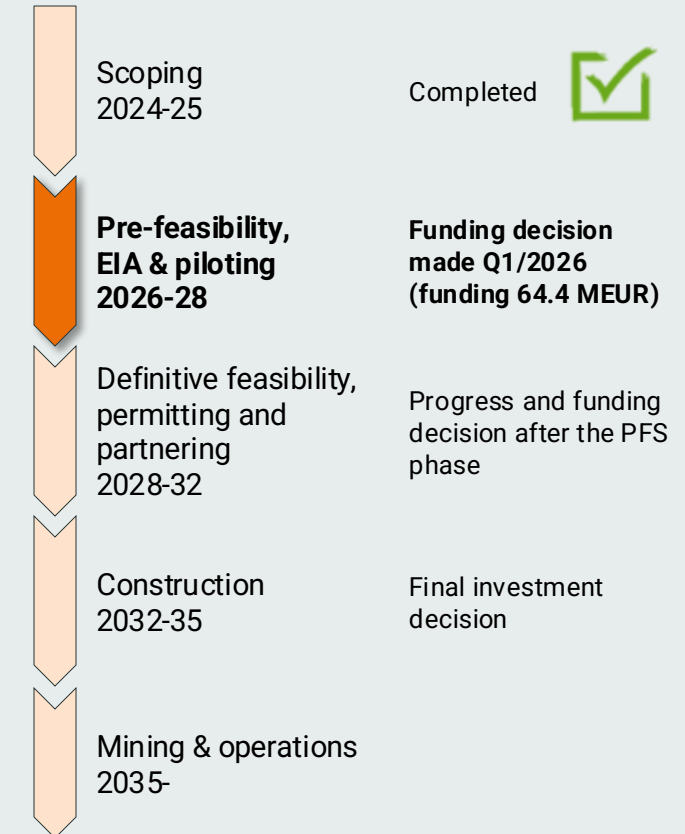


First phase **business plan based on phosphate-based products and REEs** and later also niobium as valuable by-products and refining of phosphate products to phosphoric acid

Annual production estimates

~1 500 kt P₂O₅ Phosphate rock	~250 kt Fe₃O₄ Iron concentrate
~7 kt MREC Mixed Rare Earth Carbonate	~4 kt Nb₂O₅ Niobium Oxide

Timeline and key decision gates





The Sokli Mining Project

The backbone of Europe's most essential industries

+ Strategic autonomy for Europe

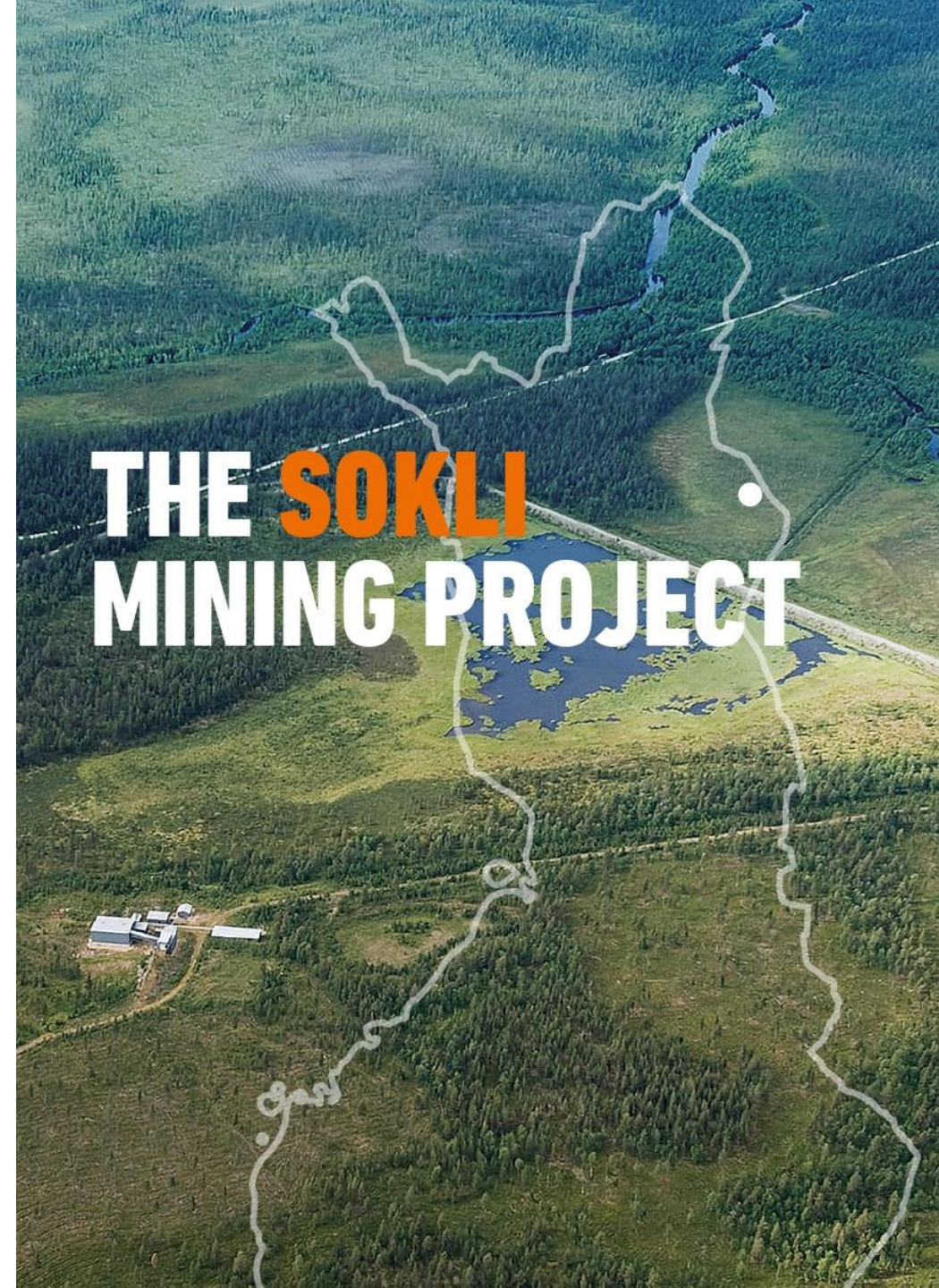
Sokli will supply phosphate, REEs and niobium critical to Europe's food production, clean energy, and low-carbon mobility. From a single, secure source inside the EU.

+ A once-in-a-generation resource base

The Sokli deposit holds enough phosphate for 6 million EV batteries and REE's for 1 500 wind turbines per year, a scale unmatched in Europe.

+ A catalyst for sustainable prosperity

By building clean, resilient, and fully European value chains, Sokli strengthens regional economies, creates high-skilled jobs in Lapland, and sets new standards for responsible mining.



Challenge

Without scale and integration, Europe stays vulnerable.



Strategic Supply Vulnerability: Europe is heavily dependent on Critical Raw Materials (CRMs) from outside the EU.



Paradigm shift required: Traditional methods can't meet environmental, social, water, or efficiency demands of tomorrow's extractive and process industries.



Environmental & Social Pressures: Together with lack of capital, limit new mining investments in Finland.



Scattered Resources: Mining opportunities remain limited without a proper economy of scale and integrated ecosystem. The lack of EU sources forces OEMs to buy unsustainable critical raw materials

Mission

The future mine is **more than a mine** — it's a hub of clean energy, innovation, and circular value.

SOKLI

The Backbone of Europe's Most Essential Industries

World's largest carbonatite deposit: REEs, phosphate, niobium for energy, mobility, food, and defence.



A mining paradigm shift is already underway

Making Finland a global hub for critical raw materials, from extraction to use, enabling secure supply chains, low-carbon production, and European strategic autonomy.

Leading the transformation

- + Battery Value Chain Expansion
- + Permanent Magnet Value Chain Creation
- + Side Stream Utilisation
- + R&D&I Knowledge and Infrastructure Upgrade
- + Superior sustainability and water management
- + Mineral Sector Renewal



MORE THAN A MINE ROADMAP

2026

2030

Sokli led activities

Ecosystem creation and program management

Intelligent resource development technologies for Critical Raw Materials

Energy- and resource-efficient mining technologies

Processing solutions for REE, LFP chemicals and alloying materials for defence

ESG excellence for the Sokli carbon neutral mine

Ecosystem partner led activities

Strengthening the lithium iron phosphate battery value chain

Creating a permanent magnet value chain and attracting investments

Utilising side streams, cutting waste and creating new products

Upgrading and expanding mineral processing R&D infrastructure

Driving climate-neutral mining with superior water management

**A leading global hub
for critical raw
materials extraction,
processing and use,
based in Finland**



Veturi's impacts extend beyond the mine



Battery Value Chain Expansion

Creates a domestic Sokli-to-LFP pathway strengthening Finland's battery value chain, de-risking investments, and delivering battery-grade purity through accelerated processing R&D.



Permanent Magnet Value Chain Creation

Develops MREC-ready REE routes, connects key deposits and partners, and delivers the core R&D needed to support REE magnet facility investments to Finland.



Side Stream Utilisation

Reduce waste, create new products and revenue streams, meet high sustainability standards through products like vermiculite-based water chemicals and iron-based materials.



R&D&I Knowledge and Infrastructure Upgrade

Upgrade and expand Finland's mineral-processing R&D infrastructure to enable lab-to-pilot scaling, reduce technical and cost barriers, and map national gaps as partners grow their capabilities.



Superior sustainability and water management

Sokli will drive climate-neutral, low-impact mining by advancing electrification, water management, process-water recycling, and modern tailings solutions, helping Finland meet EU environmental targets. Its "More than a Mine" results can be replicated across Finland and Europe, setting a new standard for sustainable mining.



Mineral Sector Renewal

More than a Mine is a multi-mineral, low-carbon, digitally enabled operation that sets a new standard for efficient, responsible mining, toward the first carbon-neutral mine with ESG leadership and strong downstream links.

SOKLI

More than a Mine