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## Agenda

1. Introduction
2. Engebø Rutile and Garnet
3. Keliber Oy Lithium
4. Financial update
5. $\mathrm{Q} \& \mathrm{~A}$

## European supply of high-end industrial minerals

 integrated $\mathrm{CO}_{2}$ consumption


## Lithium

- Batteries for electric vehicles and renewable energy storage


## R\&D - Alumina

- Patented technology for green alumina production with


## Rutile

- Environmentally friendly pigment
- Air cleaning surface materials
- Energy efficient air transportation
- Health applications


## Garnet

- Health and environmentally friendly cutting and blasting material

AlSiCal

Engebø Rutile ( $\mathrm{TiO}_{2}$ ) and Garnet (100\%)

Keliber Oy Lithium (16.3\%)

## World class assets nearing construction

## Engebø - Rutile and Garnet (100\%)

- Post-tax NPV@ 8\% of USD 344m and IRR 20\%
- Payback <5 years from start of production
- Life of Mine of 42 years, with substantial resources for future extension
- All major permits granted
- Heads of Agreement for rutile offtake and financing with Japanese trading house
- Favorable location, jurisdiction and infrastructure


## Keliber - Lithium (16.3\%)

- Post-tax IRR 22\%
- Payback $\sim 5$ years from start of production
- First European producer of lithium hydroxide
- Forecasted cost leader in 2025 by Roskill

Engebø Rutile ( $\mathrm{TiO}_{2}$ ) and Garnet
(100\%)

- Favorable location, jurisdiction and infrastructure



## Titanium and Lithium are widely used in critical ecosystems

|  | Aerospace/ defense | Electronics | Mobility/ Automotive | Energy intensive industries | Renewable energy | Health | Construction |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Titanium | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Lithium | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |  |



## Titanium and Lithium added to the list of Critical Raw Materials

September: EU Commission announces actions on Critical Technologies and sectors from the 2030 and 2050 perspectives.

The List of Critical Raw Materials has been updated to reflect economic importance and supply challenges.

Titanium and Lithium have been added.

"Fundamental shift in the resource basis of a society"

## ESG at the core of Nordic Mining's corporate strategy

Take climate responsibility

## Reduce environmental footprint

## A safe and healthy work <br> environment

Socially responsible

- Company's ESG goals are based on the United Nation's sustainable development goals
- Our goals are integrated in our Project development in accordance with high international standards
- Participation in Towards Sustainable Mining (TSM)

Towards Sustainable Mining
Vers le développement minier durable

Then

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## Rutile prices stable - positive interest for garnet

- Rutile prices remain stable and well above the long-term price assumption used in the DFS study, despite reduced demand
- Chinese pigment market has recovered after the initial pandemic impact, with strong demand from the household sectors
- Major Chinese pigment manufacturers announced price increases for $\mathrm{TiO}_{2}$ pigment during September
- Garnet demand is suppressed; however prices remain in line with 1H 2020
- Nordic Mining is engaged in concrete discussions for garnet offtake for a substantial part of expected production volume



## DFS update progressing - reducing CAPEX

- Engineering firm Hatch is engaged to coordinate the DFS update with Axe Valley Mining on mine design and modelling
- Early engagement with selected suppliers on infrastructure and civil works has provided new and effective solutions indicating material reduction of CAPEX
- Fit-to-purpose open pit design with focus on high grade ore and postpone and minimize waste rock
- Early design work for process plant layout indicate up to $40 \%$ reduction of footprint area, leading to direct and indirect cost savings
- Use of electrical dryers instead of natural gas fueled dryers will result in approx. 80\% reduction of total $\mathrm{CO}_{2}$ emissions
- Optimized mass flow logistics from mine to plant will improve operational flexibility
- Optimized initial garnet capacity



## Simplified contracting strategy - reducing execution risk

- Moving to fit-for-purpose stick-built construction
- Focus on bundling equipment packages
- Few, larger EPC contracts
- Reduced EPCM scope in combination with sub-EPCs



## Mature project with clear plan to construction



## Environmental and Social Performance - key to success

## Main targets for Environmental and Social Performance:

- Design for energy efficiency
- Minimize climate impact by electrification
- Minimize and substitute chemicals
- Increase stakeholder engagement
- Reduce footprint through waste reduction and smarter land use
- Utilize advanced environmental monitoring
- Build an operation with high degree of digitalization and automatization



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## EV production drives demand for lithium

- Lithium prices starting to rebound, inventories reduced
- European EV manufacturers to become world leaders in 2021
- Keliber in process to raise EUR 30 million to finance development and early works in 2021 and 2022
- Positive interest from investors; expect to close by end of 2020



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## Fully financed for the ongoing DFS update and further into 2021

Financial status as of Q3:

- The Group's balance sheet remains solid:
- NOK 49.5 million in cash
- Net cash outflow NOK 7.5 million, down from NOK 11.7 million in Q2
- Financial asset of NOK 87.6 million in Keliber Oy
- No interest-bearing debt

For details, see appendices or full interim report on https://www.nordicmining.com/

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## Q \& A

DFS update progressing according to plan

Indication of material reduction of CAPEX based on work to date

Discussions with potential offtake partners on garnet

## EAThunt

Fully financed for the ongoing DFS update and further into 2021

## Appendices

## Consolidated income statement

| Q3-2020 | Q3-2019 <br> Unaudited | Unaudited | Amounts in NOK million | Acc.2020 <br> Unaudited | Acc. 2019 <br> Unaudited | 2019 <br> Audited |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - | - | Sales | - | - | - |  |
| $(3.9)$ | $(4.2)$ | Payroll and related costs | $(10.2)$ | $(11.4)$ | $(15.5)$ |  |
| $(0.1)$ | - | Depreciation and amortization | $(0.2)$ | $(0.1)$ | $(0.2)$ |  |
| $(2.1)$ | $(17.1)$ | Other operating expenses | $(20.4)$ | $(45.6)$ | $(57.2)$ |  |
| $\mathbf{( 6 . 0 )}$ | $\mathbf{( 2 1 . 3 )}$ | Operating profit/(loss) | $\mathbf{( 3 0 . 8 )}$ | $\mathbf{( 5 7 . 2 )}$ | $\mathbf{( 7 2 . 8 )}$ |  |
|  |  |  | - | $(0.8)$ | $(0.8)$ |  |
| - | - | Share of loss in associate | $(3.2)$ | 100.6 | 75.5 |  |
| 1.5 | 2.4 | Gains/losses on investments | 0.3 | $(0.4)$ | $(0.5)$ |  |
| $(0.0)$ | $(0.2)$ | Financial items | $\mathbf{( 3 3 . 7 )}$ | $\mathbf{4 2 . 3}$ | $\mathbf{1 . 4}$ |  |
| $\mathbf{( 4 . 6 )}$ | $\mathbf{( 1 9 . 1 )}$ | Profit/(loss) before tax | - | - | - |  |
| - | - | Income tax | $\mathbf{( 3 3 . 7 )}$ | $\mathbf{4 2 . 3}$ | $\mathbf{1 . 4}$ |  |

## Appendices

## Consolidated statement of financial position

|  | 30.09 .2020 <br> Unaudited | 31.12 .2019 <br> Audited |
| :--- | ---: | ---: |
| Amounts in NOK million |  |  |
| ASSETS | 26.5 | 26.1 |
| Evaluation and exploration assets | 0.4 | 0.5 |
| Property, plant and equipment | 0.0 | 0.1 |
| Right-of-use assets | 114.6 | 90.8 |
| Financial assets | 49.5 | 117.5 |
| Total non-current assets | 4.8 | 30.6 |
|  | 54.3 | 34.3 |
| Cash and cash equivalents | $\mathbf{1 6 8 . 8}$ | $\mathbf{1 5 2 . 4}$ |
| Trade and other receivables |  |  |
| Total current assets | 164.3 | 143.8 |
|  |  |  |
| Total assets | 0.6 | 0.6 |
|  | 3.9 | 8.0 |
| SHAREHOLDERS' EQUITY AND LIABILITIES | 4.5 | 8.6 |
| Total equity | $\mathbf{1 6 8 . 8}$ | $\mathbf{1 5 2 . 4}$ |
| Total non-current liabilities |  |  |
| Total current liabilities |  |  |
| Total liabilities |  |  |
| Total shareholders' equity and liabilities |  |  |

