

Q3 2017 Presentation Oslo, 9 November 2017



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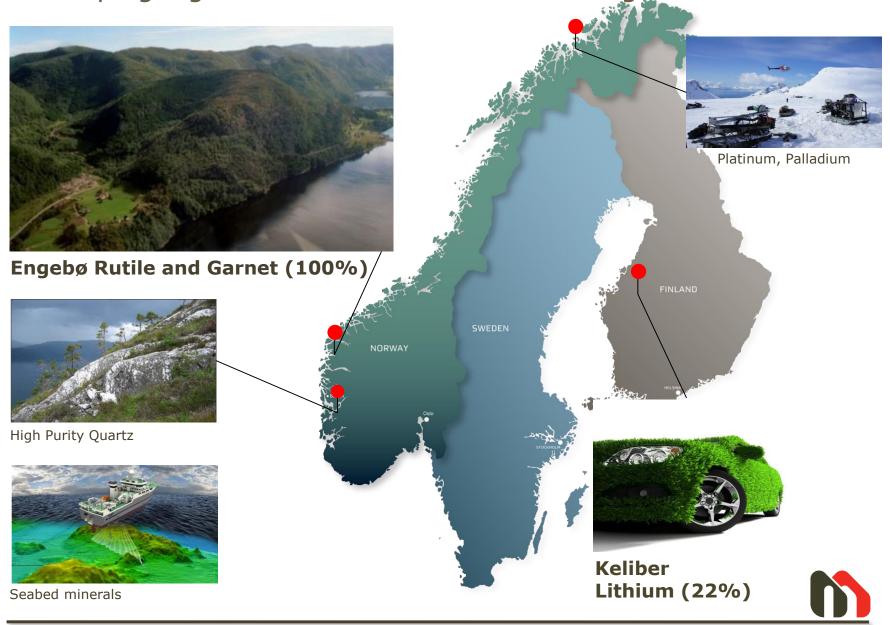


1. Introduction

- 2. Financial status
- 3. Update on projects
 - Engebø, rutile and garnet
 - Keliber, lithium
- 4. Q & A



Developing high-value assets in the Nordic Region



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Consolidated Income Statements

| Q3-2017 | Q3-2016 | | Acc. 2017 | Acc. 2016 | 2016 |
|------------------|-----------|---------------------------------|-----------|-----------|----------------|
| <u>Unaudited</u> | Unaudited | Amounts in NOK million | Unaudited | Unaudited | <u>Audited</u> |
| | | | | | |
| - | - | Sales | - | - | - |
| (1.8) | (1.7) | Payroll and related costs | (8.1) | (5.7) | (7.8) |
| - | - | Share-based payment | - | (1.4) | (1.4) |
| - | - | Depreciation and amortisation | (0.1) | - | - |
| - | - | Impairment of exploration asse | ets - | (1.3) | (1.3) |
| (6.7) | (2.8) | Other operating expences | (18.8) | (5.8) | (12.4) |
| (8.6) | (4.6) | Operating loss | (27.1) | (14.2) | (23.0) |
| (1.8) | (1.4) | Share of result of an associate | 2.4 | (2.8) | (4.2) |
| `0.2 | 0.1 | Financial items | 0.1 | 0.1 | 0.1 |
| (10.2) | (5.9) | Loss before tax | (24.6) | (16.9) | (27.1) |
| | - | Income tax | | _ | |
| (10.2) | (5.9) | Loss for the period | (24.6) | (16.9) | (27.1) |



Consolidated Statements of Financial Position

| Amounts in NOK million | 30.09.2017 Unaudited | 31.12.2016 <u>Audited</u> |
|---|-----------------------------|---|
| ASSETS | | |
| Evaluation and exploration assets Property, plant and equipment Investment in an associate Total non-current assets | 21.4 0.2 29.8 51.5 | 21.2 0.3 <u>15.0</u> <i>36.6</i> |
| Cash Trade and other receivables Total current assets | 30.1 4.3 34.4 | 66.1 1.3 67.4 |
| Total assets | 85.9 | 104.0 |
| SHAREHOLDERS' EQUITY AND LIABILITIES | | |
| Total equity | 79.7 | 97.0 |
| Non-current liabilities <u>Current liabilities</u> <i>Total liabilities</i> | 1.1 5.1 6.2 | 1.1 5.9 7.0 |
| Total equity and liabilities | 85.9 | 104.0 |



Shareholder structure and share price development

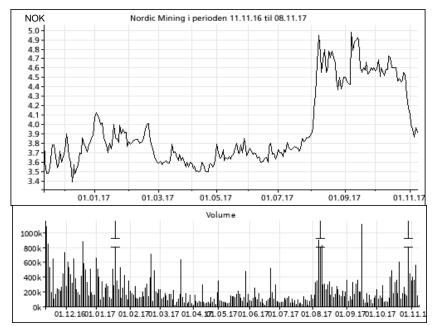
Largest shareholders*

| | Name of shareholder | No. of shares | % |
|----|--|---------------|---------|
| 1 | NORDNET BANK AB (NOMINEE) | 9 594 914 | 10,1 % |
| 2 | NORDEA BANK FINLAND (NOMINEE) | 4 768 454 | 5,0 % |
| 3 | NORDNET LIVSFORSIKRING | 2 701 480 | 2,8 % |
| 4 | CITIBANK N.A. S/A POHJOLA BANK PLC (NOMINEE) | 2 142 664 | 2,3 % |
| 5 | DANSKE BANK A/S (NOMINEE) | 1 631 541 | 1,7 % |
| 6 | DYBVAD CONSULTING AS | 1 560 428 | 1,6 % |
| 7 | SONGA TRADING INC. | 1 507 176 | 1,6 % |
| 8 | MAGIL AS | 1 300 000 | 1,4 % |
| 9 | INFOSAVE AS | 1 235 609 | 1,3 % |
| 10 | ADURNA AS | 1 200 000 | 1,3 % |
| 11 | OVE KLUNGLAND HOLDIN NIL | 1 148 280 | 1,2 % |
| 12 | VPF NORDEA AVKASTNING C/O JP MORGAN EUROPE | 1 002 963 | 1,1 % |
| 13 | LITHION AS | 1 000 977 | 1,1 % |
| 14 | SNATI AS | 975 000 | 1,0 % |
| 15 | OLAV BIRGER SLETTEN | 936 000 | 1,0 % |
| 16 | KNUT FOSSE AS | 919 752 | 1,0 % |
| 17 | OLE KRISTIAN G. STOKKEN | 755 043 | 0,8 % |
| 18 | REIDAR JARL HANSEN | 688 970 | 0,7 % |
| 19 | GODE TIDER AS | 670 000 | 0,7 % |
| 20 | SVEND OTTO REMØE | 650 000 | 0,7 % |
| | Top 20 shareholders | 36 389 251 | 38,4 % |
| | Others | 58 436 217 | 61,6 % |
| | Total | 94 825 468 | 100,0 % |

Share overview and share price development**

Share overview

| Number of issued shares | 94 825 468 |
|--------------------------------|-------------|
| Owned by management | 2.2% |
| Options | 2 630 000 |
| - of which owned by management | 2 466 667 |
| Fully diluted number of shares | 97 455 468 |
| Current share price (NOK) | 3.92 |
| Market capitalisation (NOKm) | 372 |
| Trading range YTD (NOK) | 3.45 - 5.29 |





^{*} Shareholder overview as of 6 November 2017

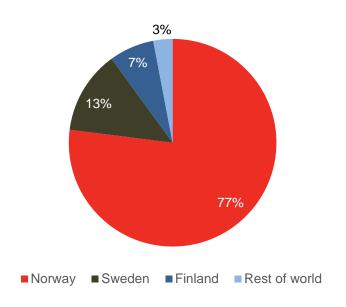
^{**} Share price and market capitalisation as of 8 November 2017

Ownership in Nordic Mining ASA

Nominee accounts mainly private shareholders

- Shareholder analysis and identification performed by Orient Capital in Q2 2017
- Nominee accounts analysed and combined with ordinary shareholdings
- Ownership structure as expected; no large shareholders behind nominee accounts – holdings spread on a large number of private and corporate stakeholders
- · Half-yearly and ad hoc analysis

Geographical distribution





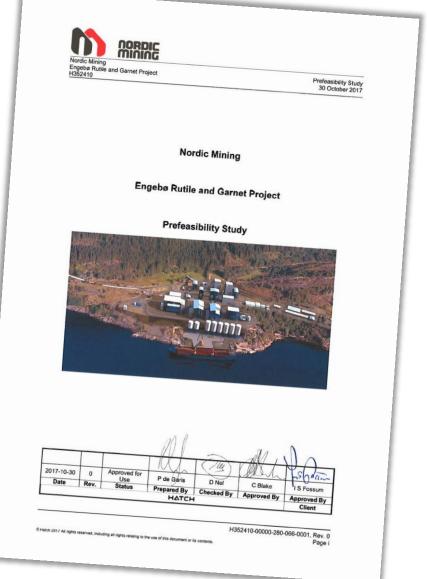
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Engebø Rutile and Garnet Project Prefeasibility Study

✓ Published on October 30, 2017

 ✓ Full report available on company website www.nordicmining.com





Summary of the Engebø Prefeasibility Study (PFS)

- 1) World class rutile and garnet deposit
- Large outcropping deposit of natural rutile and garnet
- High grades, low impurities
- Geotechnically stable, enables efficient mining
- Solid market fundamentals, favourable location
- Minerals with unique properties and growing demand
- Significant supply deficit for both minerals in Europe
- Cost-efficient shipping to European and overseas markets

Scalable operation with limited environmental footprint

- Expandable project capacity, increased garnet sales
- Favourable internal logistics
- Zoning plan and environmental permit granted

- Project pre-tax NPV8% of USD 332 mill; IRR 24%
- Low initial CAPEX (USD 207 mill.), Payback < 5 years
- 29 years initial mine-life
- Robust economics with upside potential up to NPV USD 465 mill.

PFS supports further progress towards production

- Continued project development in Definitive Feasibility Study and FEED
- Production start-up in 2021



- World class rutile and garnet deposit
- Solid market fundamentals, favourable location

- Scalable operation with limited environmental footprint
- Project pre-tax NPV8% of USD 332 mill; IRR 24%

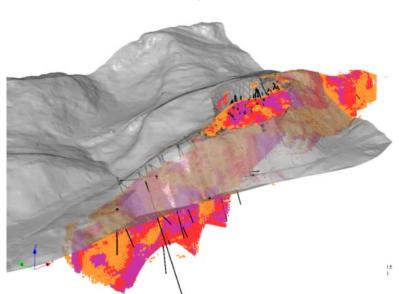
5 PFS supports further progress towards production



Large eclogite deposit located at tidal waters

- Outcropping deposit with unknown extension to depth
- Geotechnically stable orebody allows for effective mining
- Low impurities, negligible content of heavy metals and radioactive elements
- Easy transition from open pit to underground mining







High grade rutile and garnet mineralisation

Mineral resource and reserves classification*

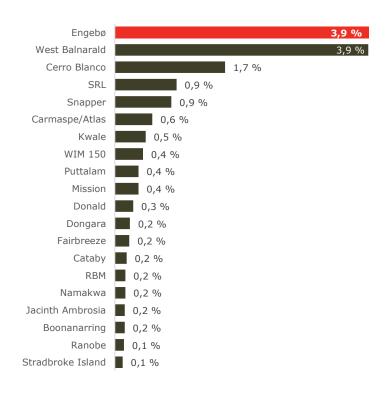
- Increased cut-off implies stronger financial performance in early mining years
- ✓ Large potential in inferred resources

| | 3% cut-off grade | | |
|----------------------|-------------------------------------|-------|-------|
| | Tonnage Mt TiO ₂ % Garne | | |
| Measured | 15 | 3.97% | 44.6% |
| Indicated | 78 | 3.87% | 43.6% |
| Measured & indicated | 93 | 3.89% | 43.7% |
| Inferred | 138 | 3.86% | 43.5% |

| | Ore reserves | | | | |
|----------|--|-------|-------|--|--|
| | Tonnage Mt TiO ₂ % Garnet % | | | | |
| Proven | 10.194 | 3.81% | 43.4% | | |
| Probable | 31.702 | 3.35% | 39.5% | | |

Among the highest rutile grades

 Rutile grade for current producers and planned projects





^{*} Resource estimates and reserve statement completed by Competent Person Adam Wheeler, corresponding to the guidelines of the JORC Code (2012 edition).

- World class rutile and garnet deposit
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5 PFS supports further progress towards production

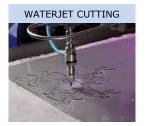


Rutile and Garnet - unique mineral properties, increasing demand

Garnet

Furrent world production: ~ 1.4 million tonnes









ests have demonstrated that Engebø can produce coarse and fine garnet suitable for a broad range of applications

Rutile

Current world production: ~ 0.8 million tonnes









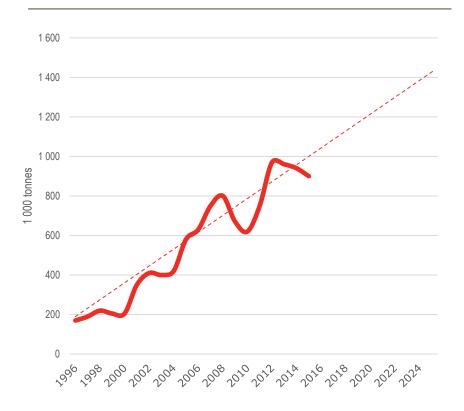
Tests have demonstrated that Engebø can produce 95% TiO₂ rutile suitable for pigment and titanium metal

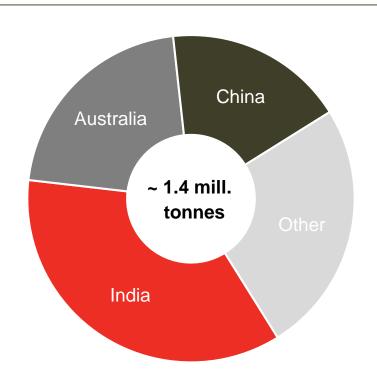


Garnet - young mineral with strong growth

Apparent consumption of garnet (excl. China)*

Current world production*



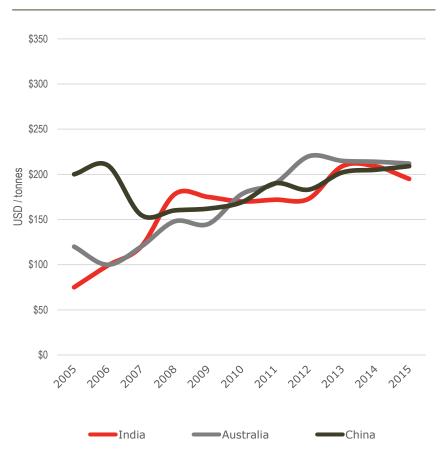




^{*} Source: TAK Industrial Mineral Consultancy

Garnet market and price forecast

Average garnet export prices (FOB)*



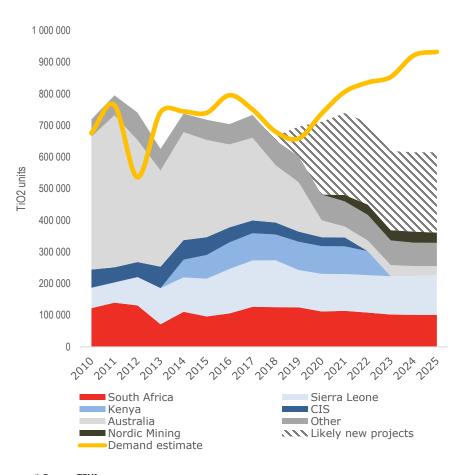
- Emerging mineral with strong growth in the waterjet cutting markets
- Currently no European production
- Engebø is one of few hard rock deposits of almandine garnet
- ✓ Engebø will produce commercial end-products:
 - 80 mesh waterjet
 - 100 mesh waterjet
 - 30/60 mesh blast market
- PFS garnet price assumption of USD 250/tonne in real terms based on a basket of the three products



^{*} Source: TAK Industrial Mineral Consultancy

Rutile market and price forecast

Global rutile supply/demand balance*



Rutile price forecast*



PFS price assumption of USD 1 070/tonne in real terms corresponds to Base estimate in the figure $\frac{1}{2}$

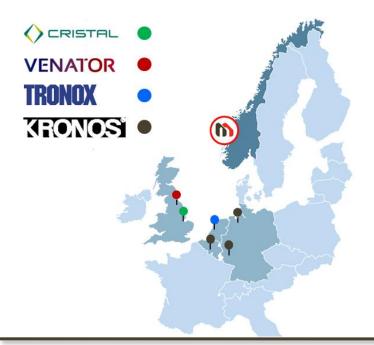


^{*} Source: TZMI

Export sales from Engebø

Rutile off-take

- The largest pigment manufacturers in Europe have chloride technology that benefits from high grade feedstock
- ✓ Several can consume Engebø's annual volume
- ✓ Plant-to-plant shipment
- ✓ Logistical and freight cost advantages



Garnet off-take

- Nordic Mining has signed a MoU with a leading, international producer of industrial minerals
- ✓ The parties intend to establish long-term cooperation within development, production, sales, marketing and distribution of garnet products from Engebø



- World class rutile and garnet deposit
- Solid market fundamentals, favourable location

- 3 Scalable operation with limited environmental footprint
- Project pre-tax NPV8% of USD 332 mill; IRR 24%

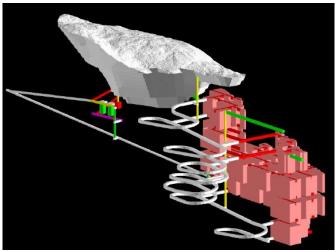
5 PFS supports further progress towards production



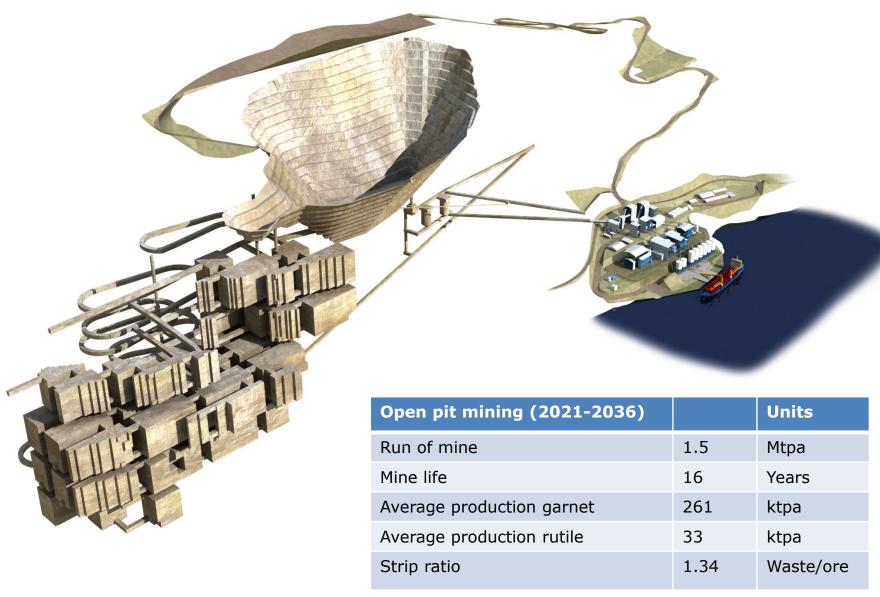
Favourable internal logistics

- √ 16 years open pit mining
- ✓ Rich ore in the early years
- ✓ Low stripping ratio
- Glory hole concept with underground crushing facility
- Underground silos enables storage and operational flexibility
- Minimum haulage distance
- ✓ Limited visual impact
- ✓ Open pit gives easy access to underground ore

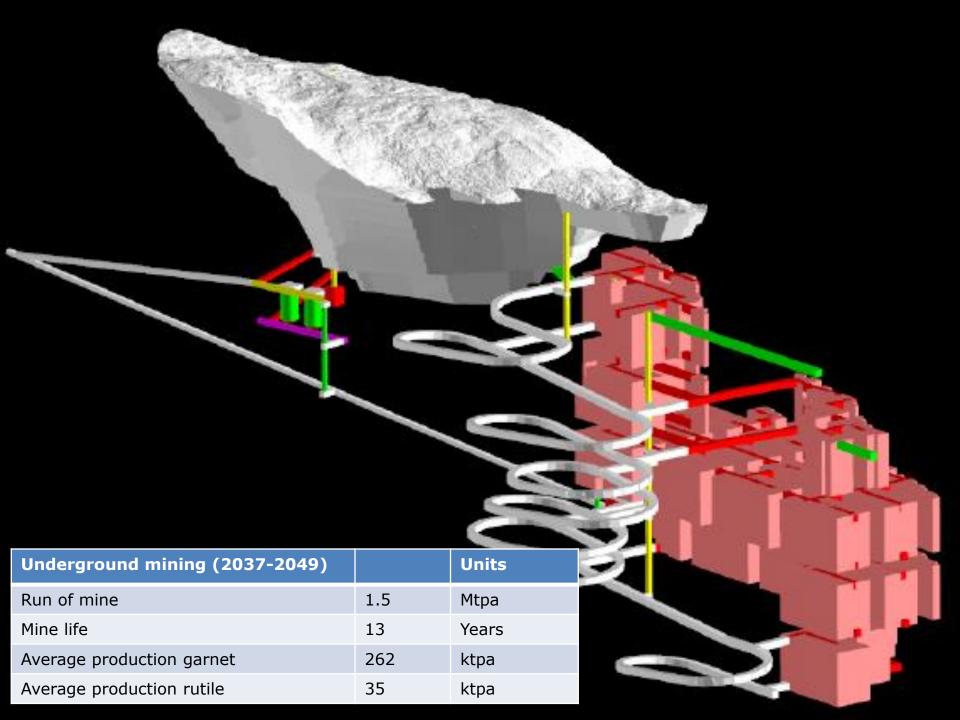












PFS process testwork; industrial scale equipment

- Comprehensive testwork has documented commercial products from rutile and garnet according to market specifications
- ✓ Testwork has demonstrated rutile recovery of approximately 60%















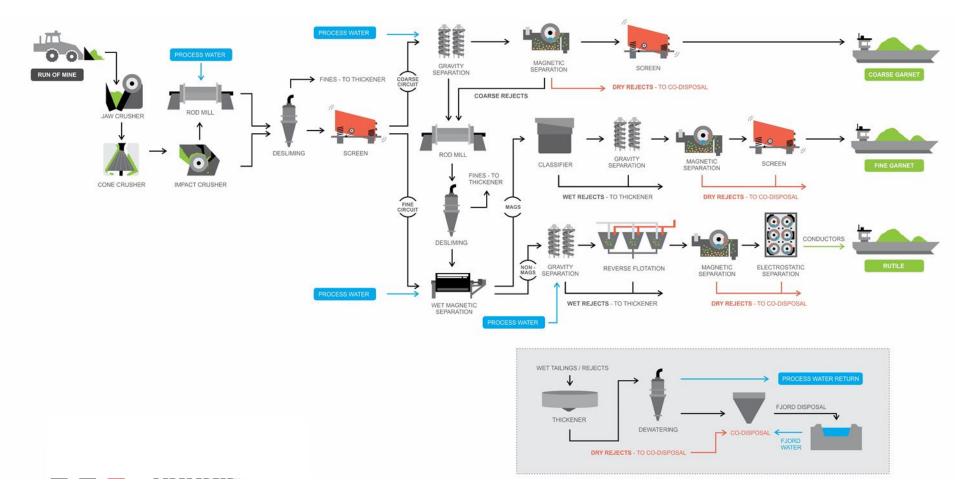






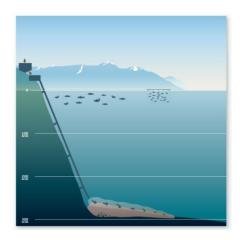


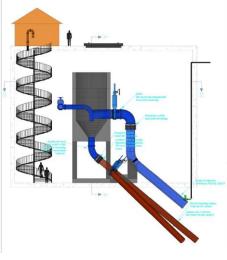
Flowsheet of rutile and garnet process

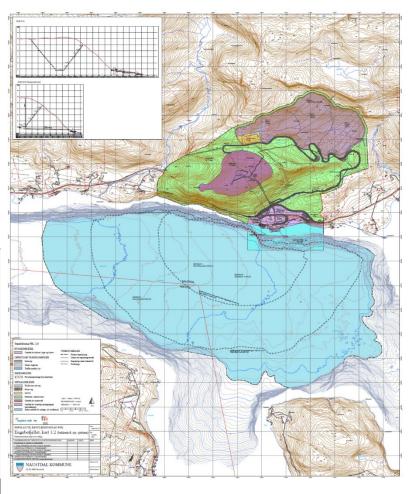


Zoning plan and environmental permits fully granted

- Deep-sea disposal offers safe and sustainable tailings solution
- The tailings will mainly sediment within the regulated area
- ✓ The currents in the tailings area are moderate and there is limited risk for erosion currents
- Continuous monitoring of the sea disposal will be implemented

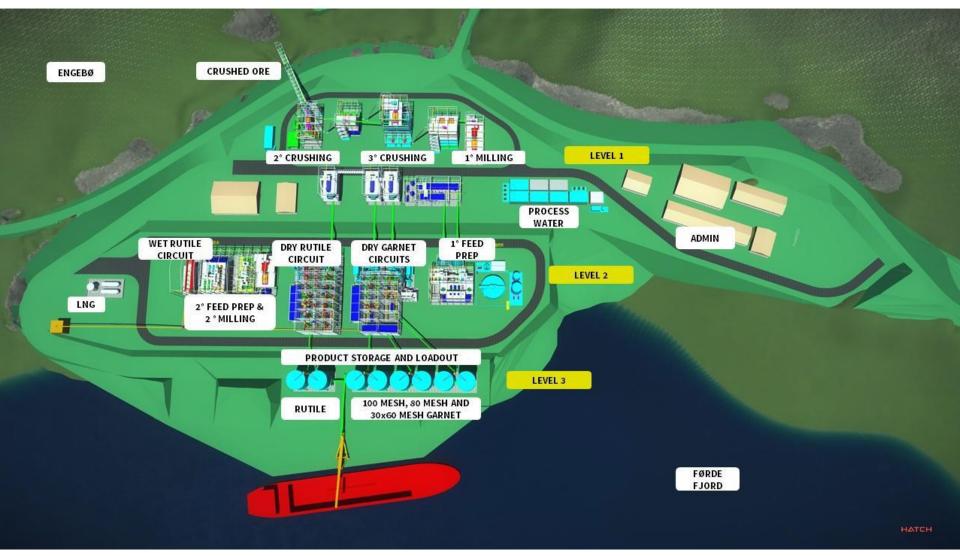








Compact process plant, including ship-loading facilities





- World class rutile and garnet deposit
- Solid market fundamentals, favourable location

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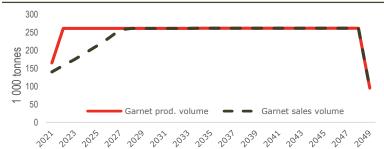
Key project assumptions

| Assumptions | Value |
|--|------------------|
| Garnet price | USD 250/tonne |
| Rutile price | USD 1 070/tonne |
| Garnet sales (from ~2027) | 261 000 tpa |
| Rutile sales (average) | 32 500 tpa |
| Opex per sales tonne ¹⁾ | USD 87 per tonne |
| Capex 2019-2021 | USD 207 mill. |
| Open pit mining and comminution | 26.8 |
| Mineral processing and tailings handling | 68.6 |
| Infrastructure, storage and loadout | 35.7 |
| Indirects | 41.8 |
| 20% contingency | 34.2 |
| Deferred capex 2033 | USD 17 mill. |
| Underground mining and comminution | 10.8 |
| Indirects | 2.7 |
| 25% contingency | 3.4 |

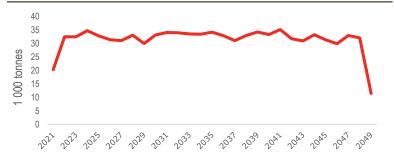
Mining production



Garnet sales and production volume



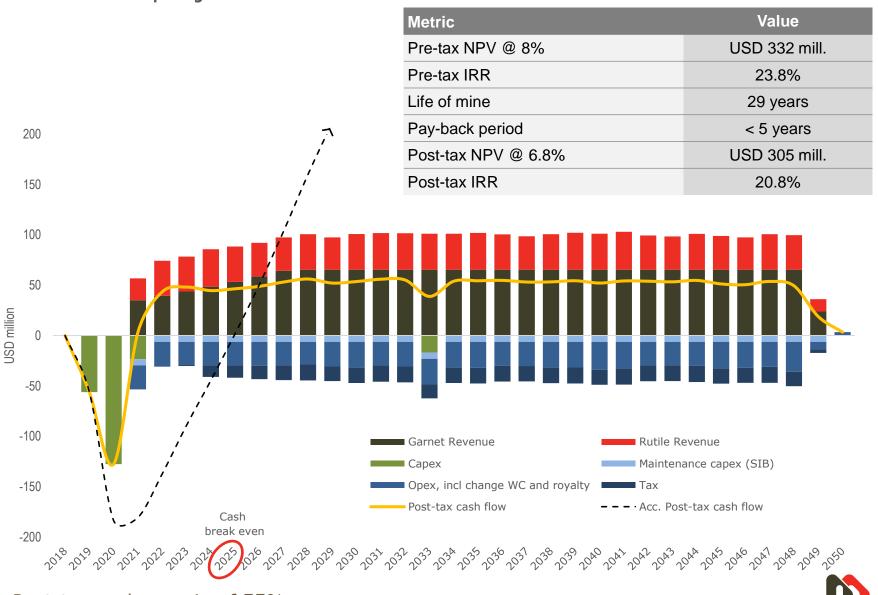
Rutile sales and production volume





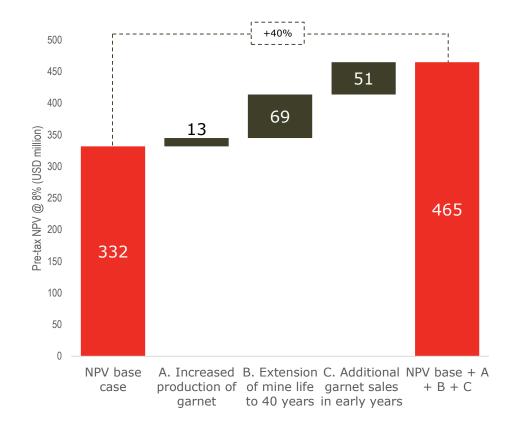
¹⁾ Based on total sales volume for rutile and garnet

Attractive project economics



Large upside potential

- A. Increased production of garnet to 300 000 tonnes/year
- B. Extension of mine life to 40 years by including Inferred Resources
- C. Additional garnet sales in early years





Competitive rutile revenue-to-cash cost position

✓ The revenue-to-cash cost ratio is based on the first ten years of operations.

25%

✓ Engebø benefits from producing two high value products with low mining and processing costs

Industry revenue-to-cash cost curve: 2021 4.2 3.6 Engels 1.8 1.2 0.6

50%

Cumulative TiO₂ units

75%





100%

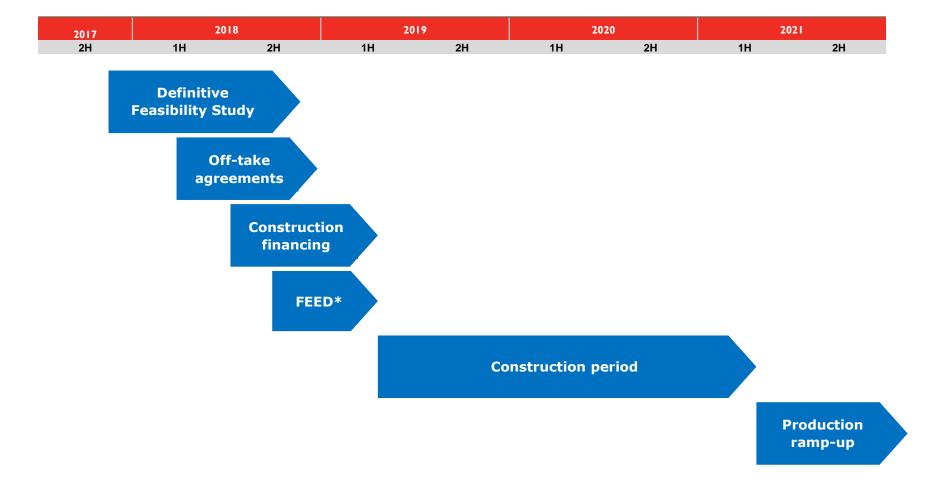
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The way forward





Definitive Feasibility Study (DFS) targets project bankability

- ✓ Mining trade-off studies, mine design and schedule
- Processing testwork, ore variability and flowsheet optimisation
- Modularisation and logistical studies
- Procurement strategy and procurement operating plan
- ✓ Multi-disciplinary design and engineering work
- ✓ Project Execution Plan (PEP) and Construction Schedule
- ✓ Risk assessment
- ✓ Building "Owners team" including local project team
- Cooperation and anchoring with local society



Promising results from the Prefeasibility study Robust dual-mineral operation with high-quality garnet and rutile Low investments Attractive project economics

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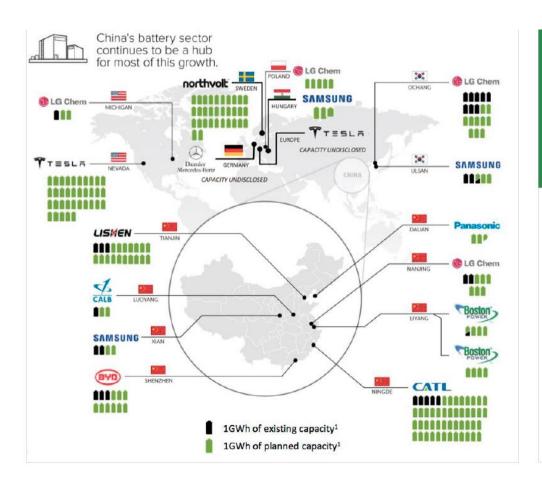
KELIBER - Lithium Mining for Rapidly Growing Markets

High-Purity Lithium Carbonate for Sustainable Energy

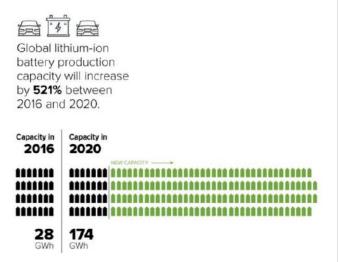




Lithium-ion battery megafactories under way

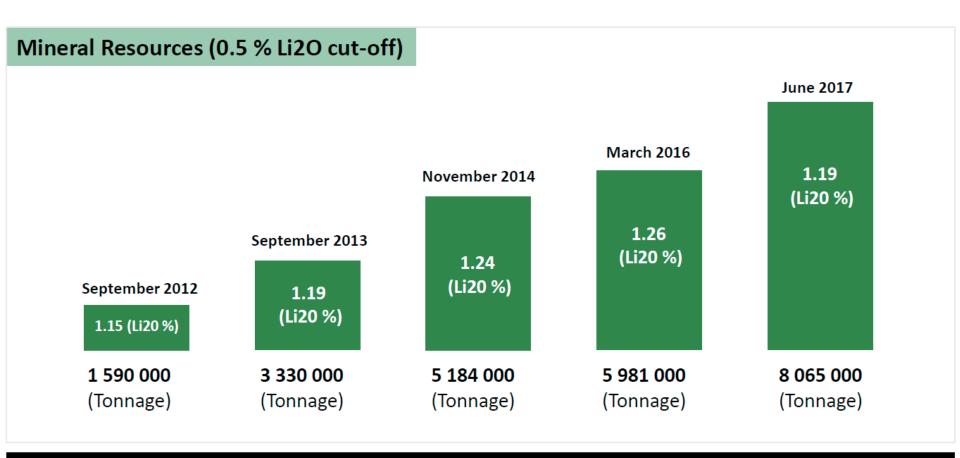


New lithium battery projects have been announced in Europe by SDI Samsung (Hungary), Daimler (Germany), Nissan (UK), Northvolt (Sweden), LG (Poland) and Tesla (location TBD)





Active resource exploration during recent years



Estimates prepared by Competent Persons in accordance with 2012 JORC code



Keliber is progressing towards production

| Tentative timeline for the next stages | 2017 | 2018 | 2019 | 2020 |
|--|----------------------------|------|------------|--------------|
| Permitting (environmental, mining and other) | October 2017 – April 2018 | | | |
| Basic Engineering | October 2017 – April 2018 | | | |
| Detailed Engineering | | | May 2018 - | - March 2019 |
| Main equipment purchases | June 2018 – September 2018 | | | |
| Start of Earth works | September 2018 | | | |
| Civil construction | September 2018 – 2019 | | | |
| Main Equipment Installation | May 2019 – January 2018 | | | |
| Commissioning and testing | January 2020 — May 2020 | | | |

Production estimated to start early 2020



Industrial and institutional owners on top in Keliber

| | Total number of shares | Percentage |
|--|------------------------|------------|
| Nordic Mining ASA | 239,044 | 22.1 |
| Tesi Industrial Management Oy | 190,662 | 17.6 |
| Ab Mine Invest Oy | 97,527 | 9.0 |
| Keskinäinen Eläkevakuutusyhtiö Ilmarinen | 70,929 | 6.6 |
| Thominvest Oy | 68,683 | 6.4 |
| Jorma Takanen | 63,123 | 5.8 |
| Osuuskunta PPO | 60,000 | 5.6 |
| Case Invest Oy | 59,547 | 5.5 |
| Jussi Capital Oy | 35,010 | 3.2 |
| Eero Halonen | 20,000 | 1.9 |



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