



2019 EXHIBITOR

Minerals for a sustainable future



OAX: NOM

**NORDIC
MINING**

Investor presentation
Toronto March 2019

Ivar S. Fossum, CEO

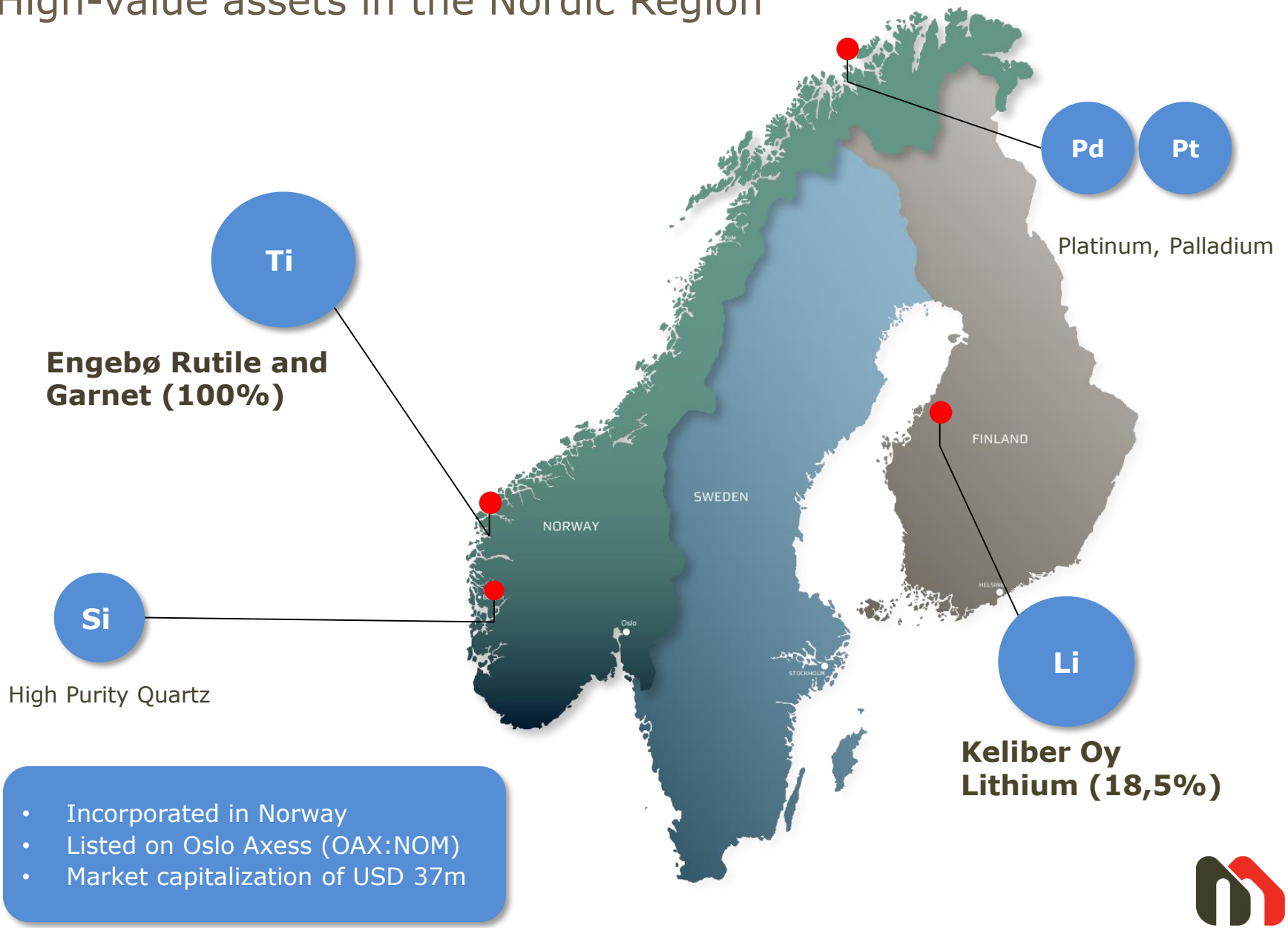
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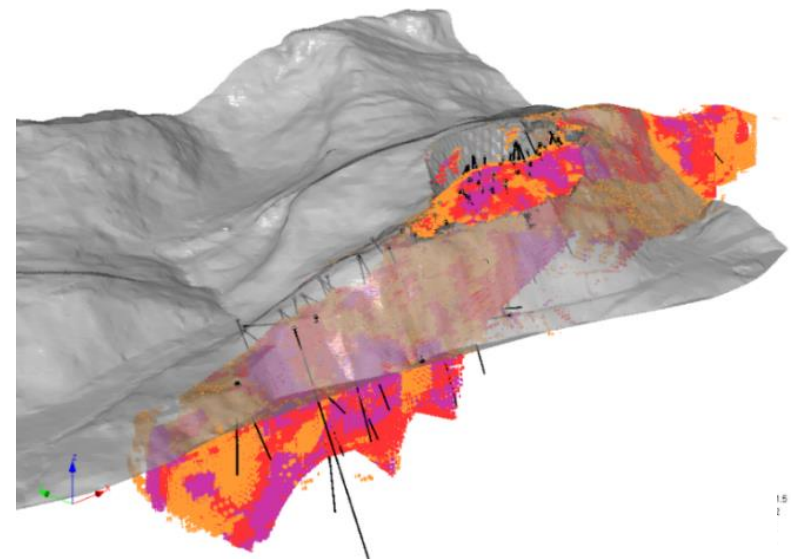
High-value assets in the Nordic Region



Engebø Rutile and Garnet

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



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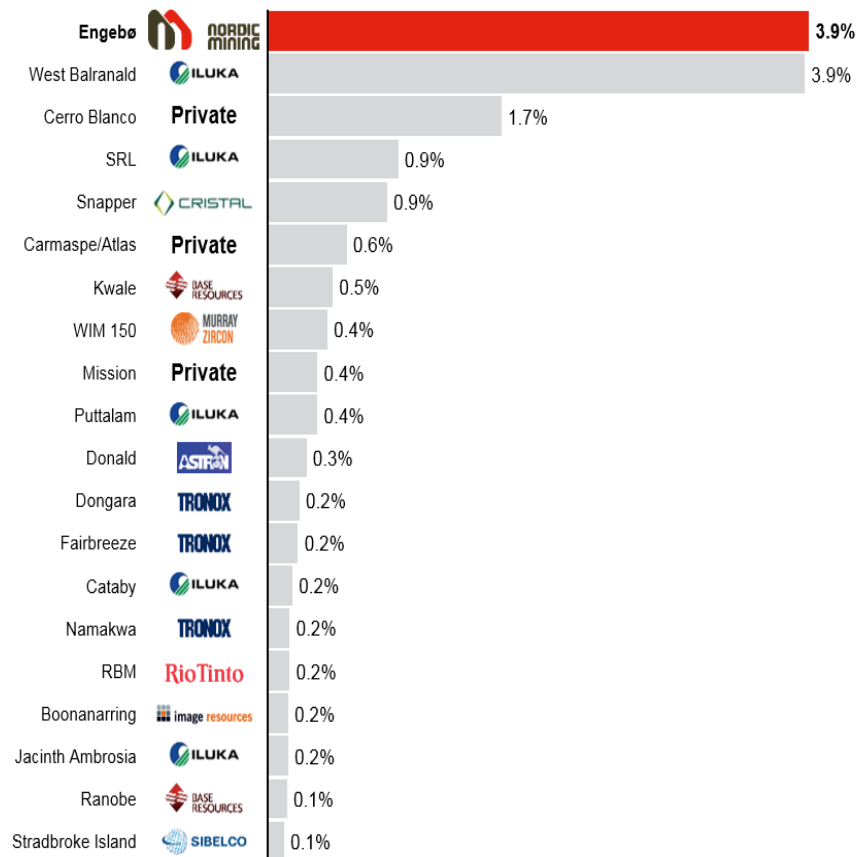
High grade mineralisation of rutile and garnet

Mineral resource and reserve classifications*

| | 3% cut-off grade | | |
|---------------------------------|------------------|--------------------|--------------|
| | Tonnage Mt | TiO ₂ % | Garnet % |
| 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

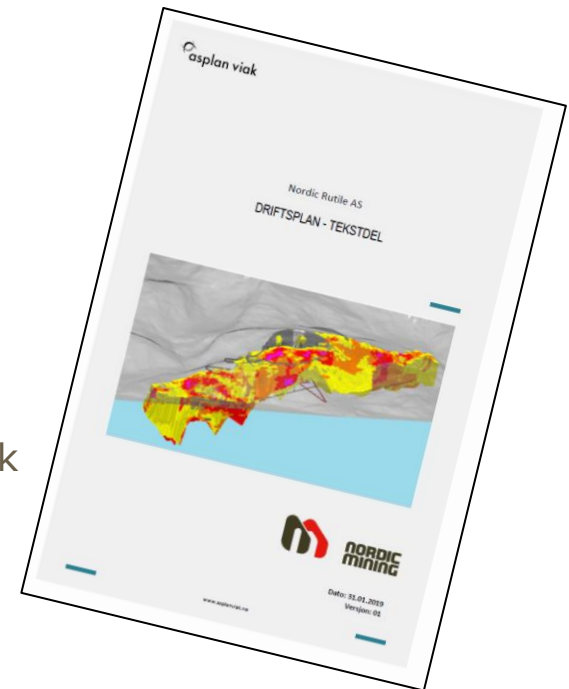


* Resource estimates and reserve statement completed by Competent Person Adam Wheeler, corresponding to the guidelines of the JORC Code (2012 edition).



Engebø progress highlights – towards construction

- Engagement of financial debt advisor on 30 January
- HOA with Japanese trading house for rutile offtake and financing signed on 31 January
- Application for operational license filed on 1 February
- Framework for environmental monitoring filed to the Norwegian Environment Agency in December 2018
- Process test work moving forward; bulk program test work finalized
- Testing of waterjet cutting with Engebø garnet confirms high performance
- Procurement bid packages are currently issued to the market
- Regulation process with local municipalities on water and infrastructure getting ready for public hearings



Rutile and Garnet - unique mineral properties, increasing demand

Garnet

Current world production: ~ 1.4 million tonnes



WATERJET CUTTING



SAND BLASTING



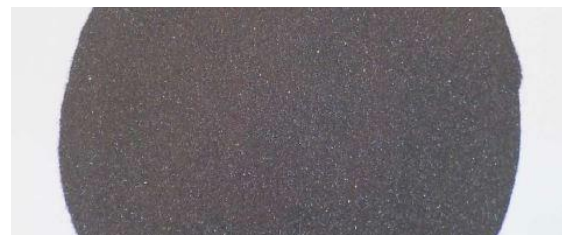
ABRASIVES



Tests 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



PIGMENT



WELDING RODS



TITANIUM

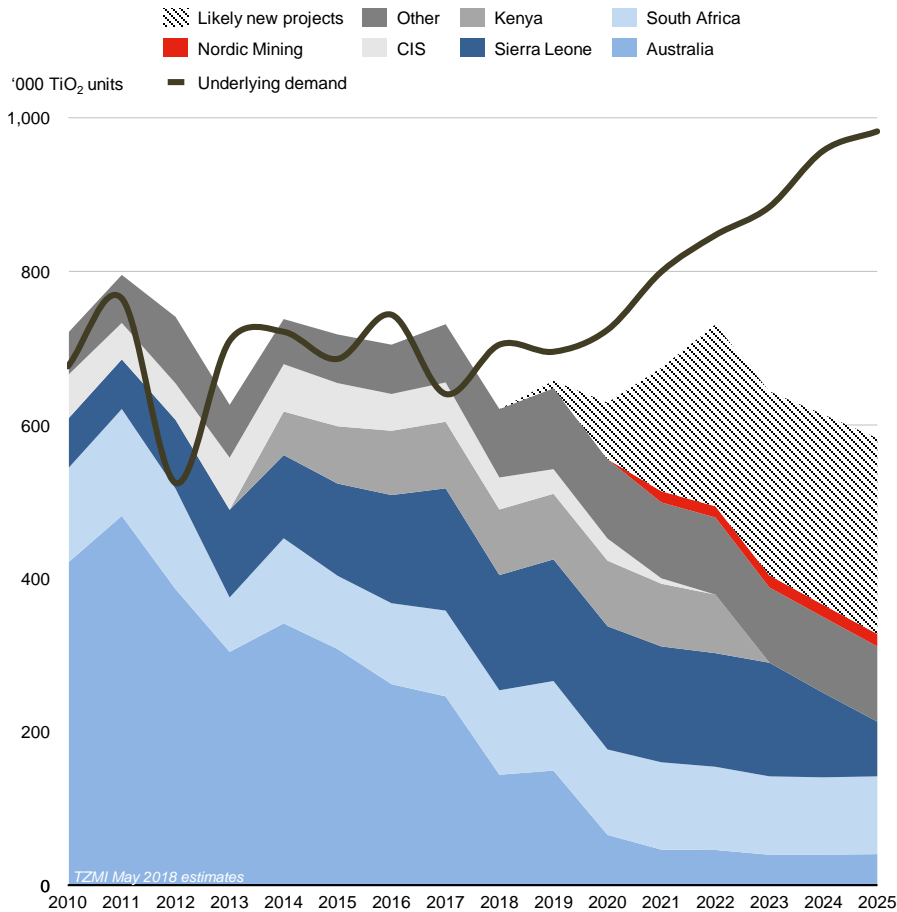


Tests have demonstrated that Engebø can produce 95% TiO₂ rutile suitable for pigment and titanium

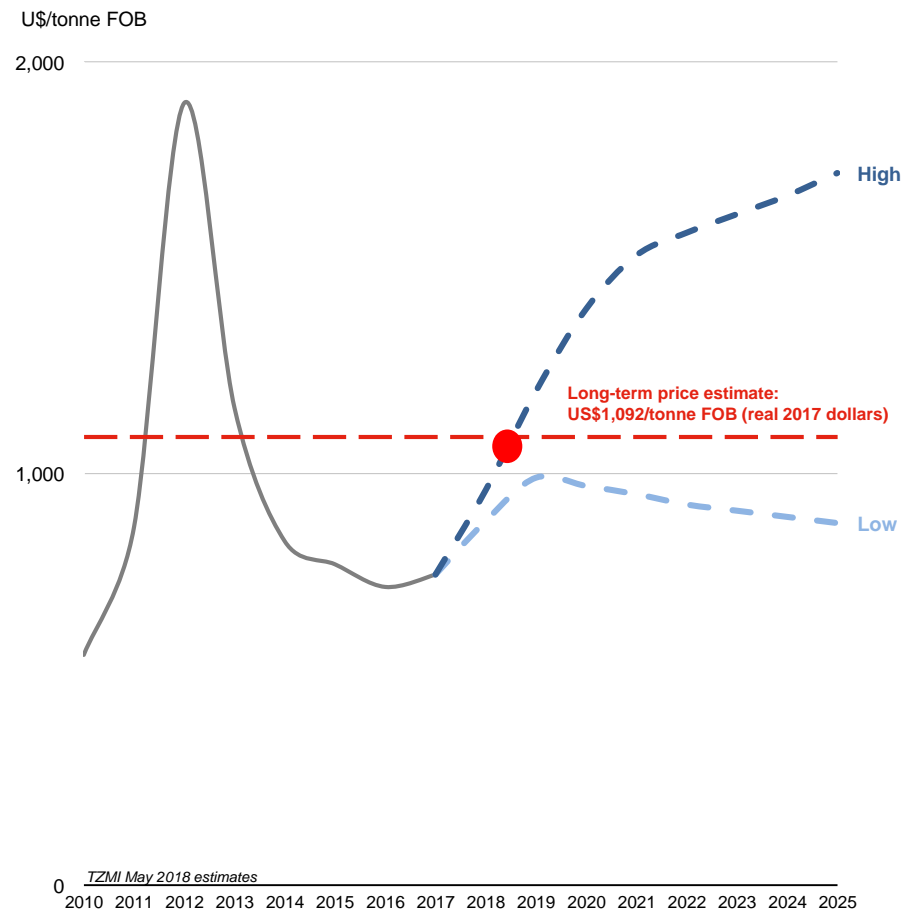


Rutile prices forecasted to increase with growing demand

Global rutile demand has outpaced supply...



...driving rutile prices up



Ideally situated for sales to Europe and overseas



Heads of Agreement on rutile offtake and financing

- Nordic Mining has signed a Heads of Agreement with a reputable Japanese trading house related to long term offtake for rutile and participation in the construction financing for the Engebø project.

Logistical advantage to European markets

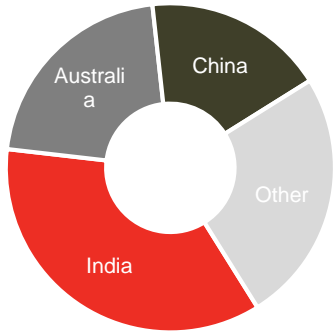
- The largest pigment manufacturers in Europe have chloride technology that benefits from high grade feedstock
- Plant-to-plant shipment
- Engebø will be the 2nd European producer of rutile and the first producer of garnet



The first European producer of industrial garnet

Garnet market and price assumptions

Current world production

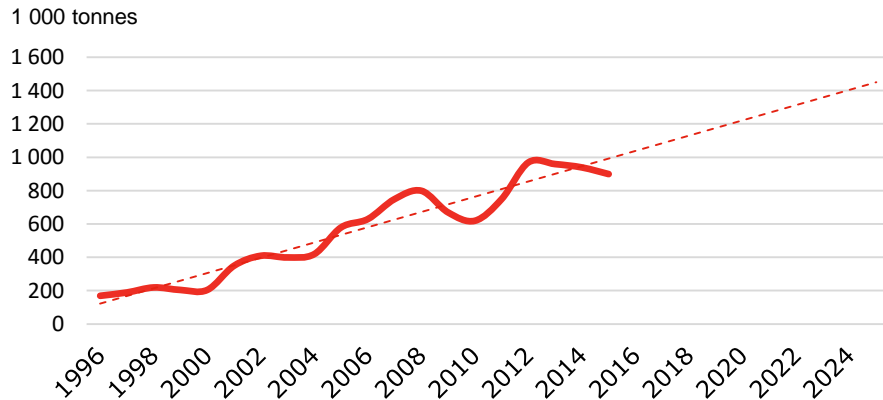


- Emerging mineral with strong growth in the waterjet cutting markets
- Currently no European production
- Engebø is one of few hard rock deposits with almandine garnet
- Engebø will produce commercial end-products:
 - 80 mesh waterjet
 - 100 mesh waterjet
 - 30/60 mesh blast market
- PFS garnet price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

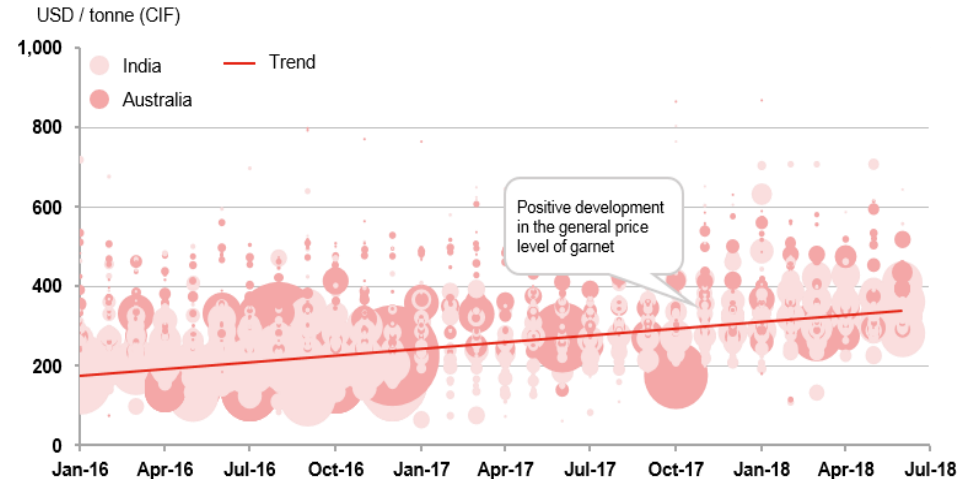
Estimated garnet price, Engebø PFS

| Product / Case | Low price | High price |
|--------------------------------|------------------|------------|
| 80 mesh waterjet | USD 267/t | USD 289/t |
| 100 mesh waterjet | USD 267/t | USD 289/t |
| 30/60 mesh grades | USD 289/t | USD 311/t |
| PFS garnet basket price | USD 250/t | |

Estimated garnet consumption (excl. China)



Price trend for garnet



Note: USD/EUR = 0.9 used for price calculations (as in PFS)
 Source: TAK Industrial Mineral Consultancy (2017), TZMI (May 2018)

Cooperation with The Barton Group for Garnet

The Barton Group

- Barton, a family owned company founded in 1878, is a leading US garnet producer and distributor with a strong foothold, particularly in the North American markets
- Over the years, Barton has played a leading role in developing the fast-growing application of waterjet cutting technology where garnet is the dominant mineral
- Barton operates a garnet mine in the state of New York (US), and has extensive experience in production of hard-rock garnet
- In addition to serving the North American market, Barton supplies high-performance garnet abrasives throughout Western Europe, South America, Southeast Asia and China



Heads of Agreement

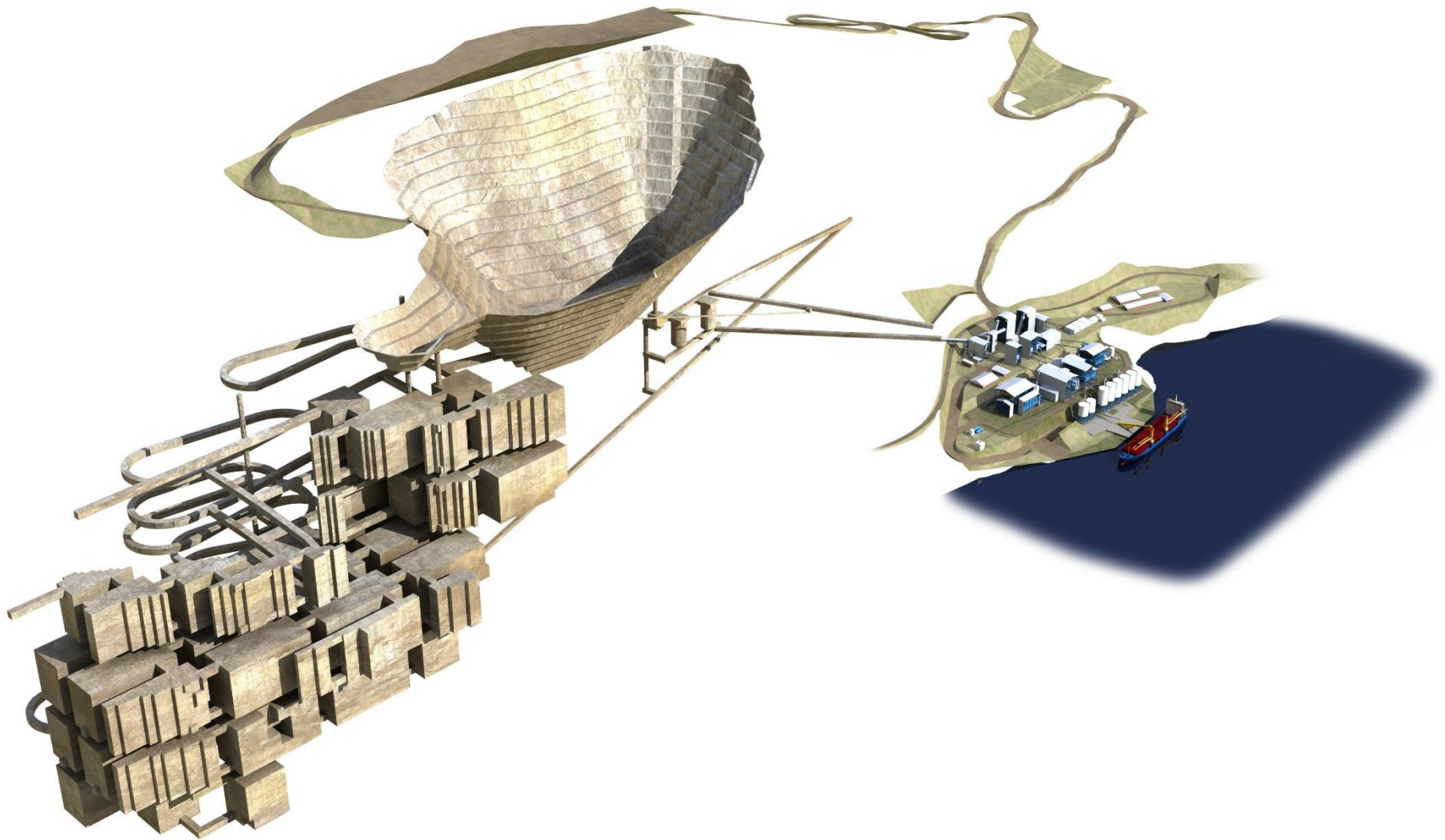
- Nordic Mining has entered into a Heads of Agreement with Barton Group, a MoU partner since 2011, which will be further developed based on the following main principles:
 - **Offtake agreement for North America**
 - Exclusive distribution by Barton of Engebø garnet
 - The garnet will be sold and distributed under Barton's brand name for high-quality products
 - **Joint-venture agreement for other markets**
 - Jointly owned company for sale and distribution to markets outside of North America
 - **Financing of pre-construction project development**
 - Barton intends to participate in the pre-construction financing of the Engebø project
 - **Construction financing**
 - Barton intends to participate in the construction financing of the Engebø project as an industrial anchor investor
 - The form and amount of Barton's contribution will be further negotiated and evaluated as part of the total solution for project financing

BARTON
Global leader in garnet abrasives



Open pit with limited visual exposure





Minimum ore haulage from pit to process

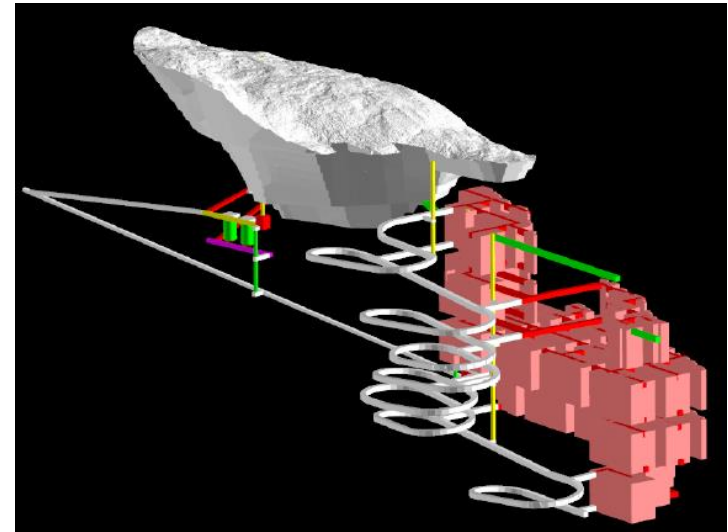


Well suited for modular, off-site construction



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 ore storage and operational flexibility
- ✓ Minimum haulage distance
- ✓ Limited visual impact
- ✓ Open pit gives easy access to underground ore



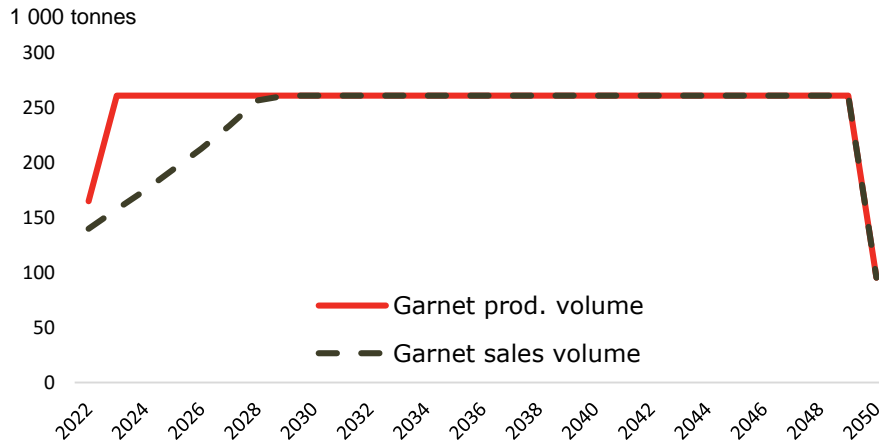
| Open pit mining, key figures | | Units |
|------------------------------|------|-----------|
| Run of mine | 1.5 | Mtpa |
| Mine life | >16 | Years |
| Average production garnet | 261 | ktpa |
| Average production rutile | 33 | ktpa |
| Strip ratio | 1.34 | Waste/ore |

A solid business case

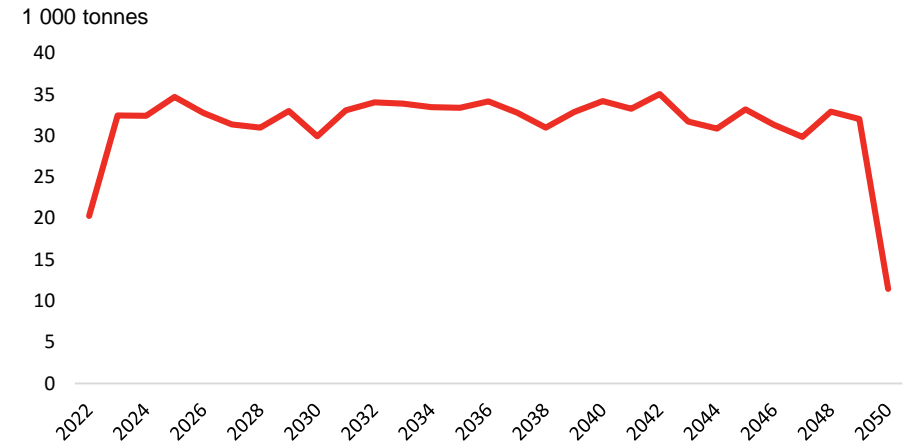
| Assumptions | Value | Unit |
|-----------------------------------|---------|------------------|
| Garnet price | 250 | USD/tonne |
| Rutile price | 1 070 | USD/tonne |
| Garnet sales (from ~2027) | 261 000 | Tonnes per annum |
| Rutile sales (average) | 32 500 | Tonnes per annum |
| Opex per sales tonne ¹ | 87 | USD/tonne |
| Construction capex | 207 | USDm |
| Deferred capex | 17 | USDm |

| Output | Value | Unit |
|----------------------------|--------------|-------------|
| Pre-tax NPV @ 8% | 332 | USDm |
| Pre-tax IRR | 23.8% | % |
| Life of mine | 29 | years |
| Payback period | Less than 5 | years |
| Post-tax NPV @ 6.8% | 305 | USDm |
| Post-tax IRR | 20.8% | % |

Garnet sales and production volume



Rutile sales and production volume

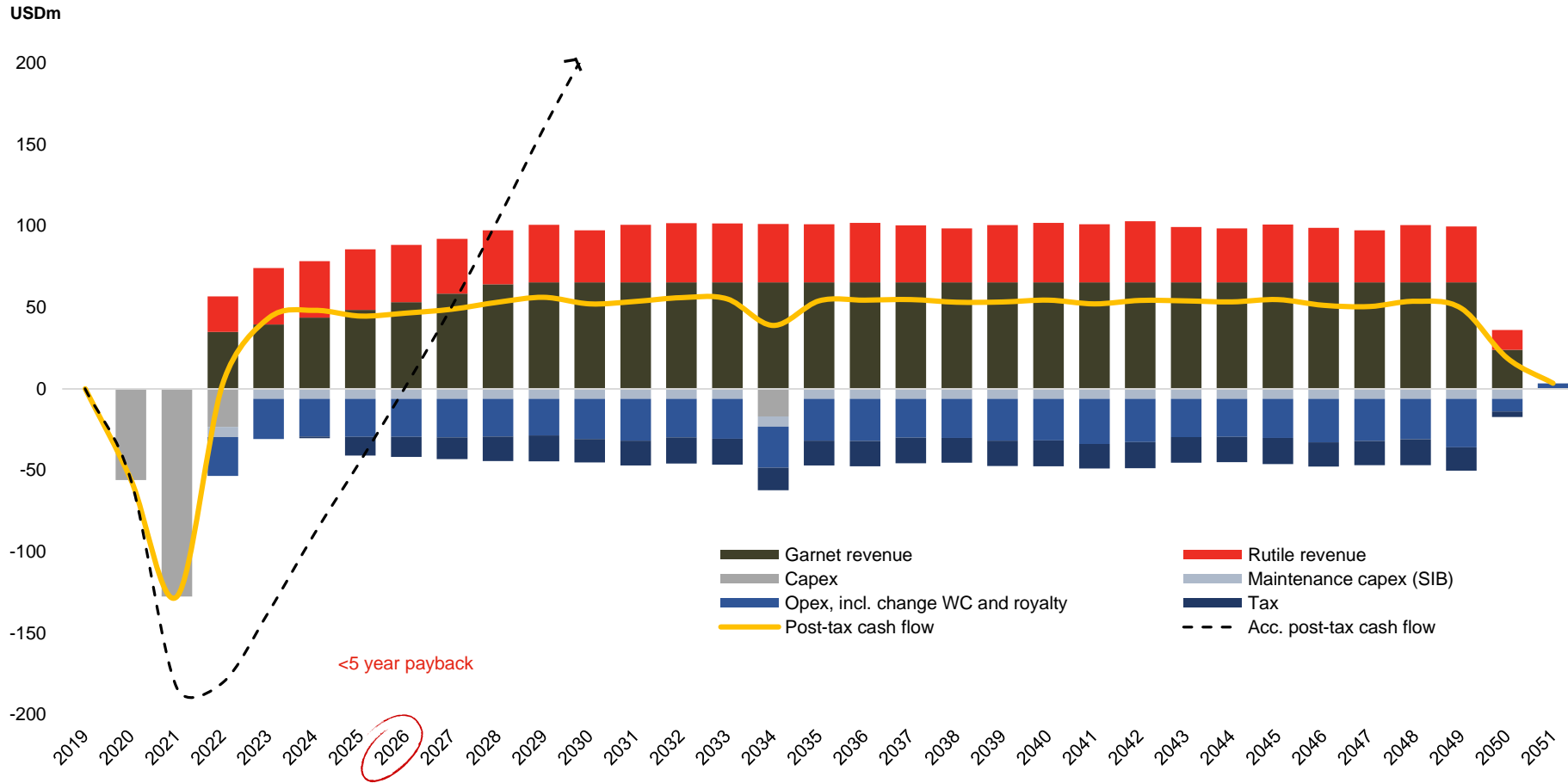


Note: 1) Based on total sales volume for rutile and garnet
Source: Engebø PFS, extended by one year



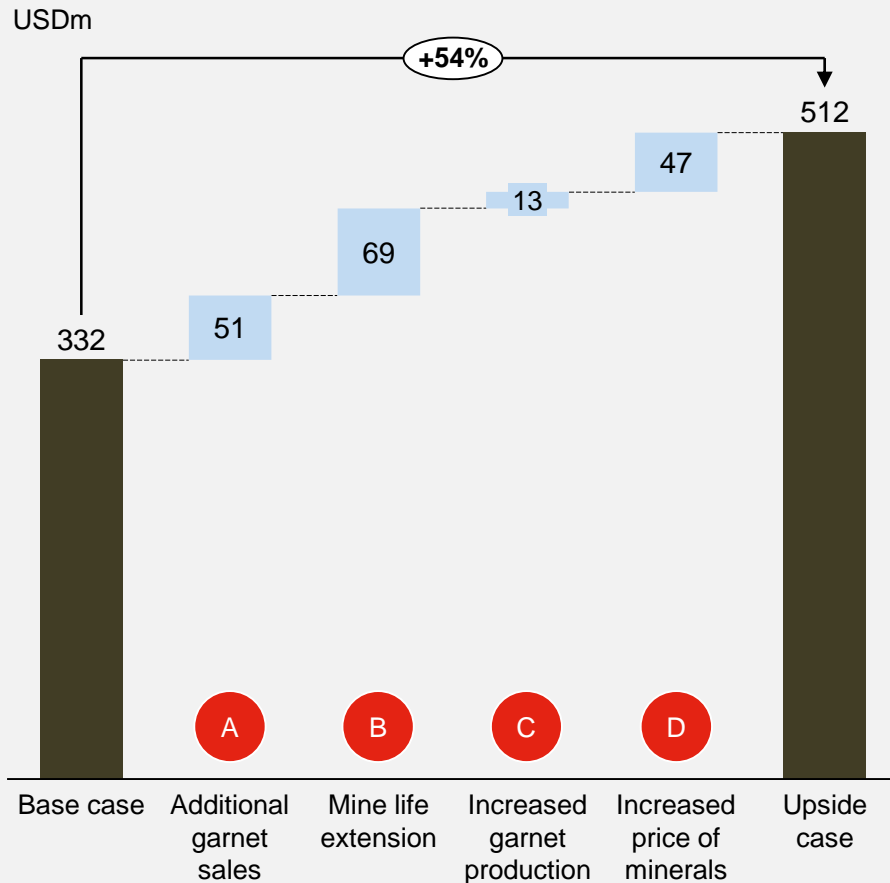
Attractive, long term cash flow

<5 year payback period, IRR >20% (Post tax)



Upside opportunity and flexibility

NPV upside potential to the PFS base case



- A
USD 51m upside potential
 - Garnet sales in line with production during the initial ten years

- B
USD 69m upside potential
 - Extension of mine life to 40 years by including Inferred Resources

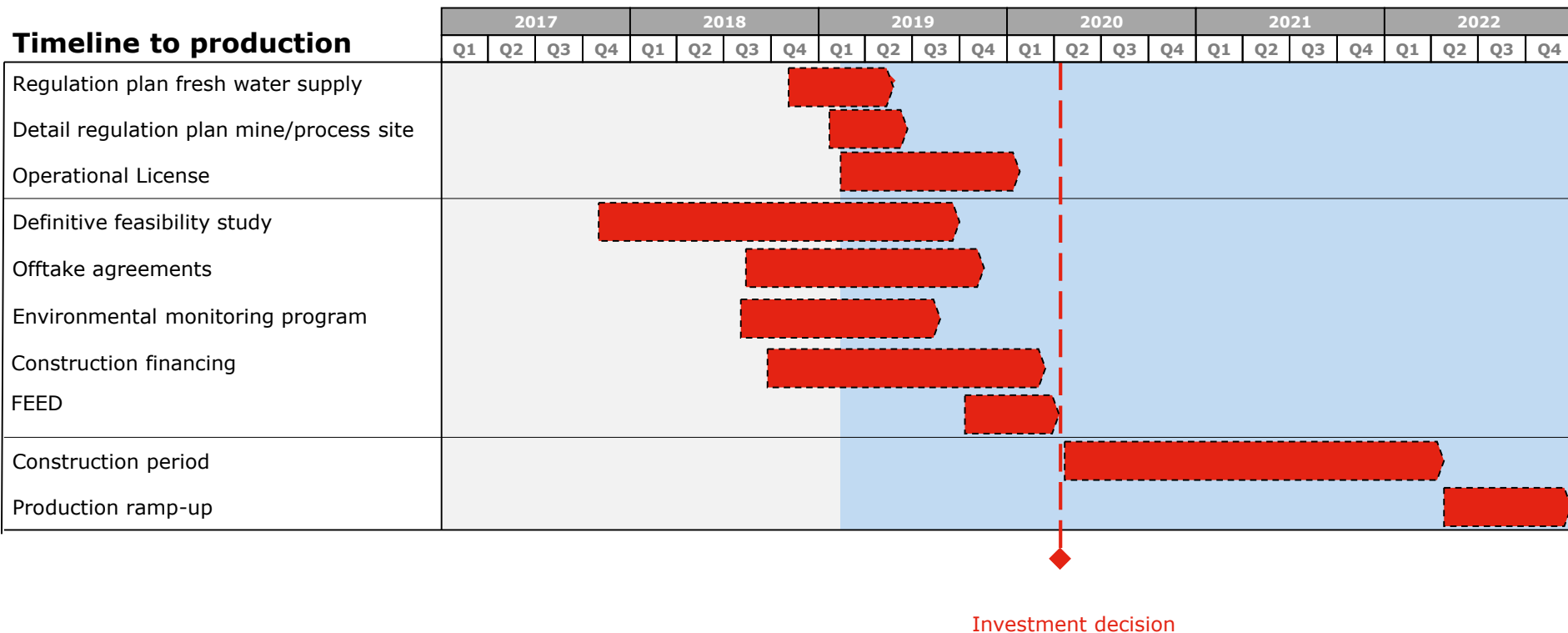
- C
USD 13m upside potential
 - Increased production of garnet in the seventh year to meet expected garnet sales of 300 000 tonnes per year

- D
USD 47m upside potential
 - Assuming garnet sales averaging a price of USD 275/t and an average rutile price of USD 1,092/t¹

- X
 - Utilization of the lower grade trans-eclogite (in addition to the high grade ferro-eclogite in the base case) will be investigated further; may offer flexibility and potential upside to the Life of Mine



Enggebø, tentative timeline towards production



Keliber Oy : Equity issue successfully completed

- On 15 February 2019, Keliber completed a share issue with total gross proceeds of EUR 10m
- The proceeds will be used for pre-construction development work and financing preparations, i.a. IPO
- Following the share issue, the state-owned company Finnish Minerals Group is the largest shareholder with 24.3%
- Nordic Mining's shareholding is 18.5%



- Nordic Mining's investment in Keliber will be reclassified in the financial statements from an «Associate» to a «Financial Asset Measured at Fair Value Through Profit and Loss» under IFRS 9
- An accounting gain of approximately NOK 100m will be recognised in the Q1 interim financial statements; no tax implications



Project Economics Key Figures

Significantly improved project economics despite higher CAPEX

| | Pre-Tax | Post-Tax | CAPEX | MEUR |
|-----------------------|-----------------------------------|-----------------|--------------|------------------------------|
| PAYBACK PERIOD | 3.7 yrs *49 % shorter | 4.1 yrs | Direct | 236 |
| IRR | 28 % *17 % increase | 24 % | Indirect | 77 |
| NPV @8% | 510 MEUR *76 % increase | 384 MEUR | Total | 313 *23 % increase |

Total Revenue**

3 060 MEUR

*34 % increase

Total EBITDA**

1 945 MEUR

*60 % increase

*Change to lithium carbonate DFS

**Expected Life of Operations



The most advanced lithium project in Europe

First mining company in Finland accepted to the pre-consultation procedure for permitting

- Mining permit for Syväjärvi received
- Environmental permit for Syväjärvi received (not yet legally valid)



| Key Milestones | 2019 | 2020 | 2021 |
|--|----------------------|--|----------------------|
| Environmental permits | ██████████ | | |
| Mining permit Rapasaari mine | ████ | | |
| Off-take agreement negotiations | ██████████ | | |
| Detailed engineering | ████████████████████ | | |
| Preparation for the construction financing | ██████████████ | | |
| Construction | | ██ | |
| Comissioning and testing | | | ████████████████████ |



Safety – Environment - Innovation



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