



Company presentation

March 2016



Exploration and production of high-end minerals and metals

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Minerals for a sustainable future



Titanium - natural rutile



High Purity Quartz



Seabed minerals

Developing high-value assets in the Nordic Region



Platinum, Palladium



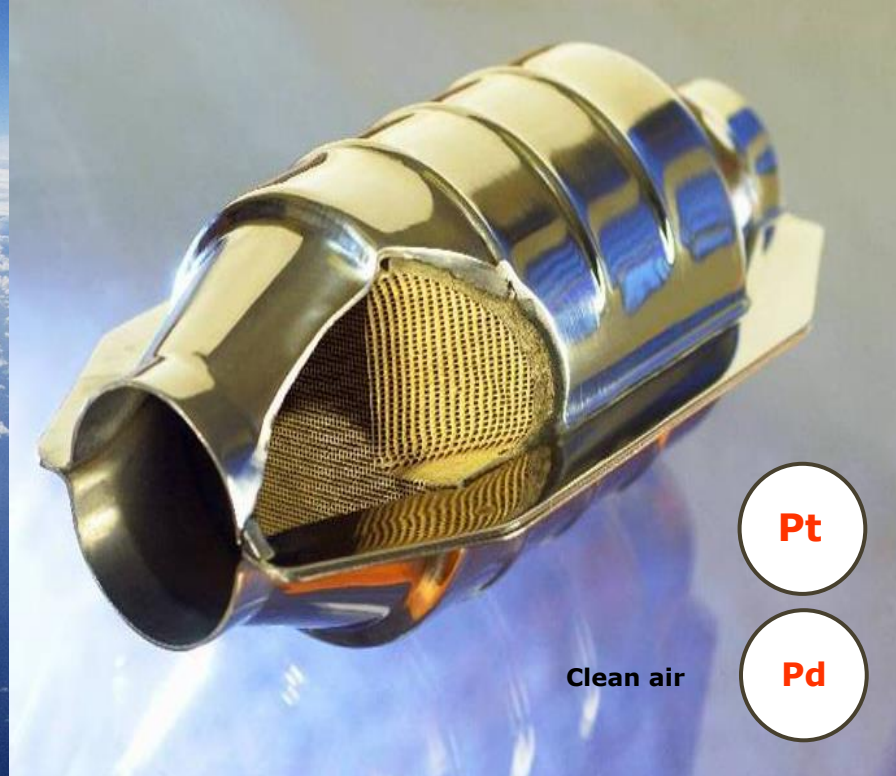
Lithium





Lighter aircrafts

Ti



Clean air

Pt

Pd



Renewable energy

Si



Electric cars

Li

Board of Directors and Management

Board of Directors



Tarmo Tuominen, Chairman

Chief Supply Chain Officer in the Finnish mineral group Nordkalk. Geologist with broad mining experience. Chairman of the Geological Survey of Finland (GTK).



Kjell Roland, Deputy chairman

CEO of Norfund, the Norwegian Investment Fund for Developing Countries. Roland holds a Master of Science in Economics from the University of Oslo, Norway. Roland has been a partner and CEO in ECON Management AS and ECON Analysis.



Mari Thjømøe, Board member

Extensive executive and board experience from oil and gas, finance and investment management (e.g. Statoil, Norsk Hydro and KLP). Thjømøe holds a Master of Science in Business Administration from the Norwegian School of Management (BI) in Oslo, Norway.



Hilde Myrberg, Board member

Extensive executive and board experience from oil and gas, power and consumer industries (e.g. Norsk Hydro and Orkla). Myrberg is a lawyer from the University of Oslo, Norway and has a MBA from INSEAD, France.



Tore Viana-Rønningen, Board member

VP in Dag Dvergsten AS, Norway. Previous experience from Barclays Capital and Barclays Natural Resource Investments. Viana-Rønningen holds a Master of Science in Economics and Business Administration from the Norwegian School of Economics (NHH) in Bergen, Norway.

Management



Ivar S. Fossum, CEO

Fossum holds a Master of Science in Mechanical Engineering from the University of Science and Technology in Trondheim, Norway. He has 20 years experience from management positions in Norsk Hydro (oil/gas and fertilizers) and FMC Technologies. Fossum has a broad international experience and has been general manager of Norsk Hydro East Africa Ltd. in Nairobi, Kenya.



Lars K. Grøndahl, CFO

Grøndahl holds a Master of Science in Economics and Business Administration from the Norwegian School of Economics in Bergen, Norway. He has broad experience from industrial management positions in i.a. Aker, Scancem Group and HeidelbergCement.



Mona Schanche, Exploration Manager

Resource geologist from the University of Science and Technology in Trondheim, Norway with 10 years experience from the mining sector. She has previous experience as project geologist in Titania (Kronos Group), a major producer of pigment feedstock.



Thomas B. Addison, MD Nordic Rutile

Mining Engineer from the University of Science and Technology in Trondheim, Norway. Addison has 30 years experience within mining and mineral processing for Elkem, SNSK, Orkla Exolon, Hanson Quarry Products Europe and Franzefoss Minerals.

Differentiated mining and industrial experience combined with extensive network



Shareholder structure and share price development

Largest shareholders*

	Name of shareholder	No. of shares	%
1	NORDNET BANK AB (NOMINEE)	30 059 944	7,8 %
2	SKAGEN VEKST	17 148 181	4,4 %
3	NORDEA BANK PLC FINL. CLIENTS ACC. (NOMINEE)	14 404 790	3,7 %
4	NORDNET LIVSFORSIKRING	12 080 105	3,1 %
5	DYBVAD CONSULTING AS	10 011 148	2,6 %
6	DANSKE BANK A/S (NOMINEE)	7 183 550	1,9 %
7	OVE KLUNGLAND HOLDIN NIL	7 023 696	1,8 %
8	MAGIL AS	6 500 000	1,7 %
9	SNATI AS	6 000 000	1,6 %
10	CITIBANK N.A. S/A POHJOLA BANK PLC (NOMINEE)	5 682 542	1,5 %
11	INFOSAVE AS	5 144 863	1,3 %
12	LITHION AS	4 167 898	1,1 %
13	OLE KRISTIAN G. STOKKEN	3 736 721	1,0 %
14	AUDSTEIN DYBVAD	3 356 000	0,9 %
15	FEMCON AS	3 080 316	0,8 %
16	ADURNA INVEST AS	3 079 993	0,8 %
17	REIDAR JARL HANSEN	2 948 124	0,8 %
18	OLAV BIRGER SLETTEN	2 805 000	0,7 %
19	JON HOVDEN	2 622 000	0,7 %
20	FRANK MOLANDER	2 490 000	0,6 %
	Top 20 shareholders	149 524 871	38,8 %
	Others	235 979 934	61,2 %
	Total	385 504 805	100,0 %

Share overview and share price development*

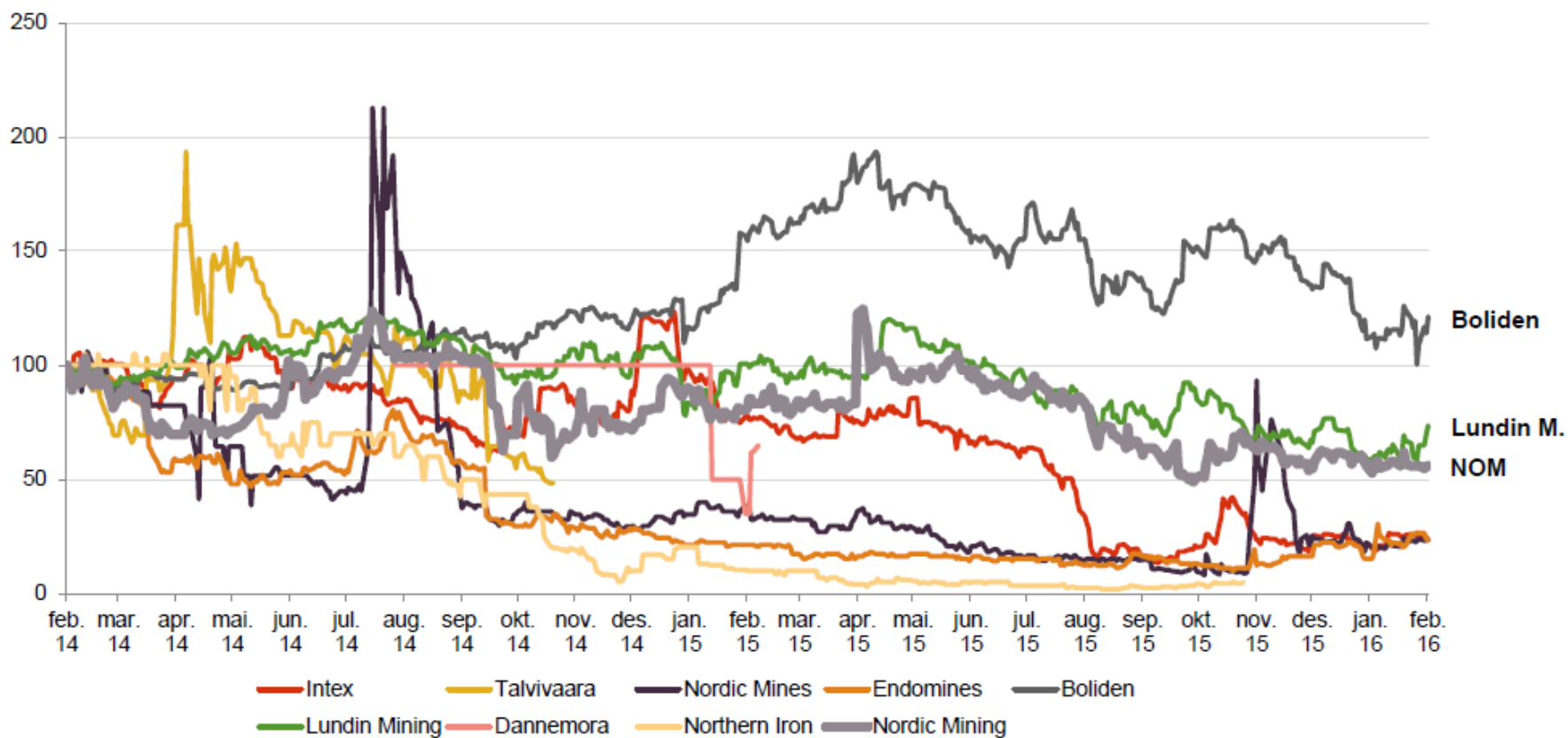
Share overview

Stock symbol	NOM
Stock exchange	Oslo Axess
Number of issued shares	385 504 805
Owned by Norwegian shareholders	82%
Owned by international shareholders	18%
Owned by management	2.6%
Options	12 750 000
- of which owned by management	11 500 000
Fully diluted number of shares	398 254 805
Current share price (NOK)	0,64
Market capitalisation (NOKm)	247
Trading range last year (NOK)	0.40 - 1.28



24 month performance vs peers in Scandinavia

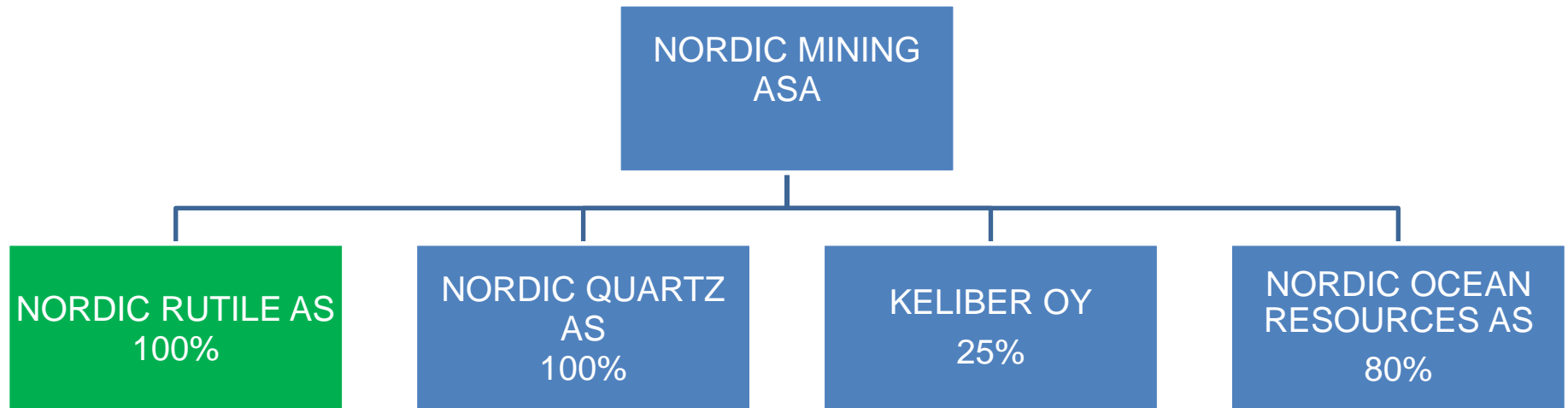
Kursutvikling peer gruppe siste 24 måneder (rebasert)



Source: Swedebank



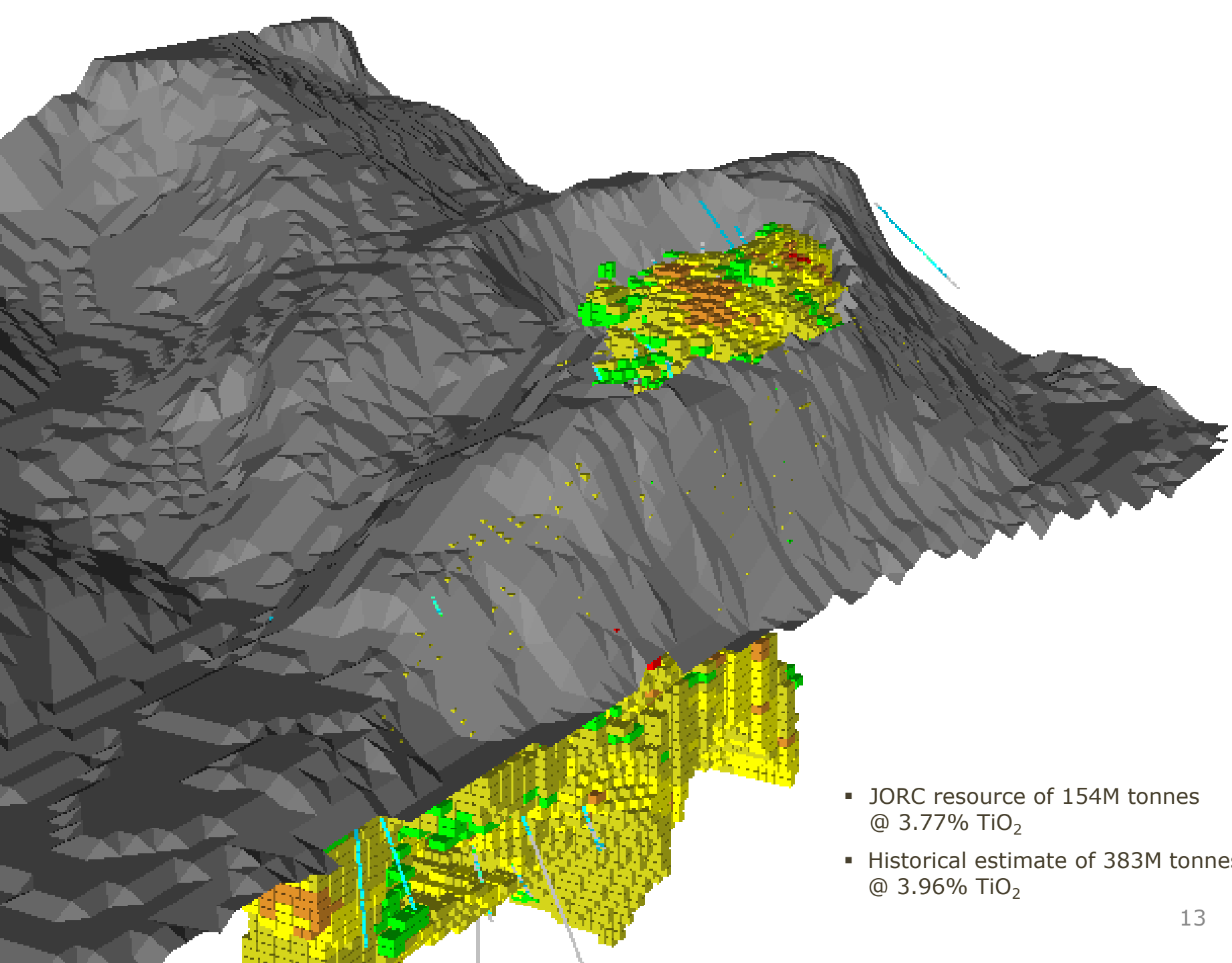
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Engebø

One of the world's largest rutile deposits



- JORC resource of 154M tonnes @ 3.77% TiO_2
- Historical estimate of 383M tonnes @ 3.96% TiO_2

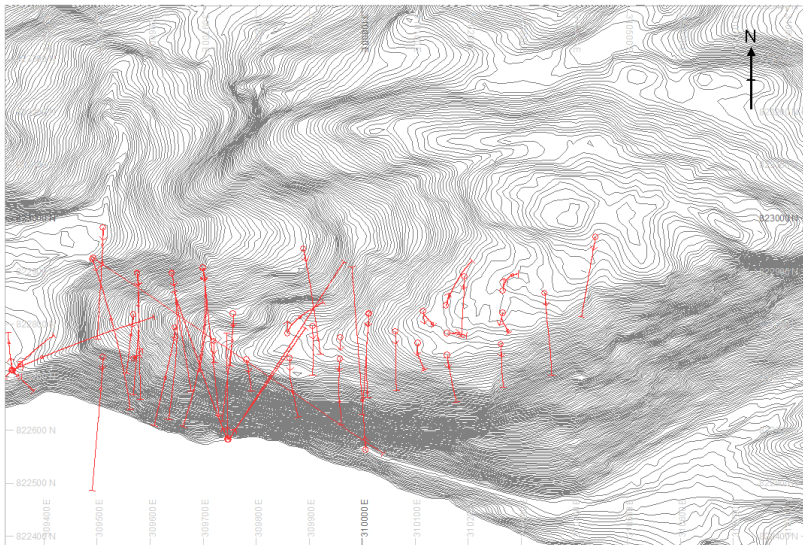
17 April 2015



Approved industrial area plan and discharge permit by the Norwegian government

Well-defined deposit

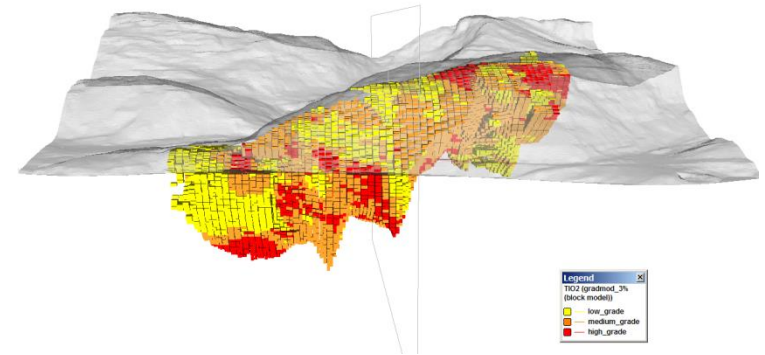
Total of 50 exploration drill holes



- 50 drill holes (15,000 meters)
- 1,129 surface samples
- > 50 000 TiO₂ analysis
- Block model - ordinary kriging

JORC Resource*

Resource class	Mill tonnes	TiO ₂ % @ 3% cut-off
JORC		
Indicated	31.7	3.77
Inferred	122.6	3.75
Total	154.3	3.77

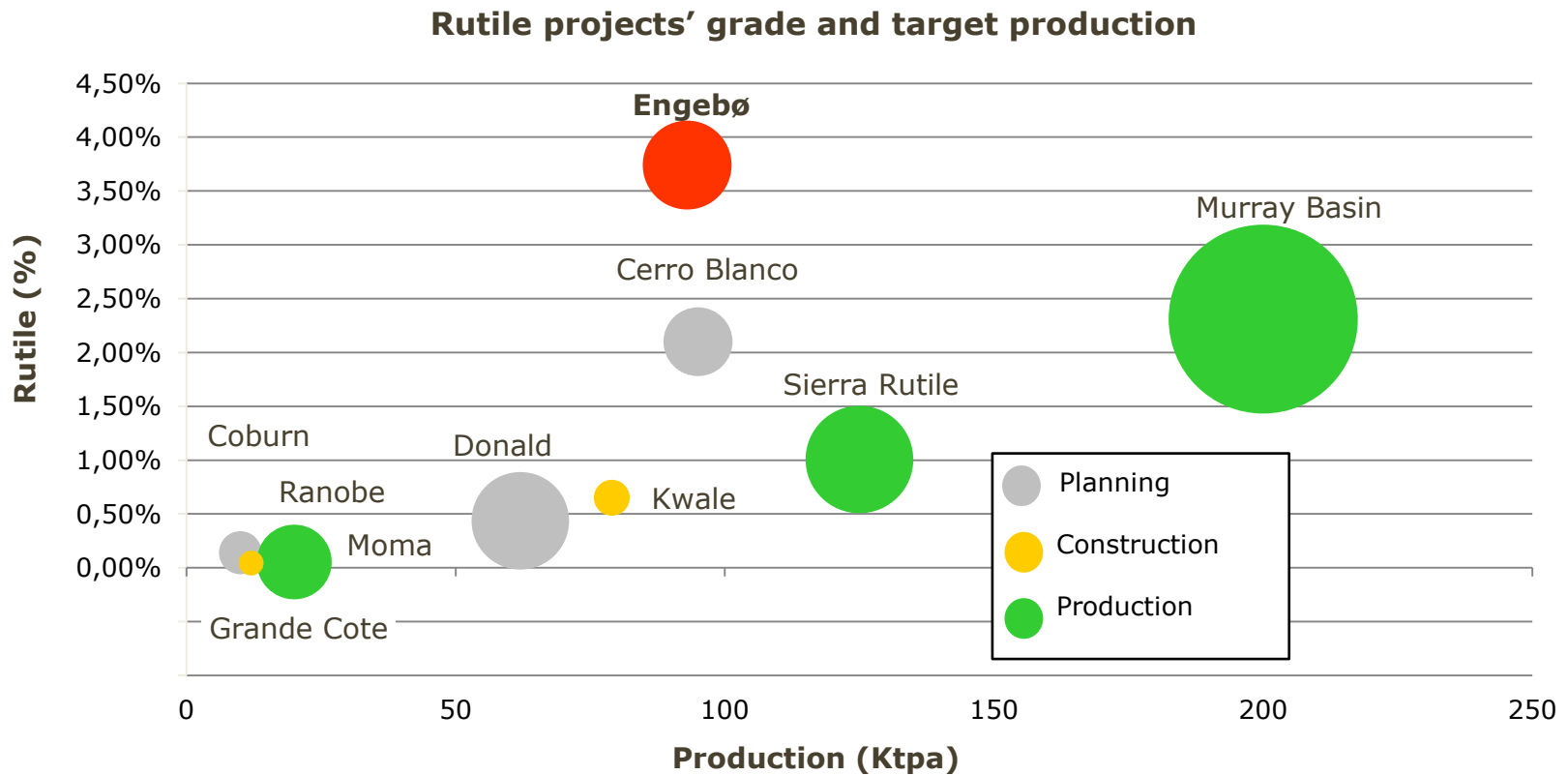


- Planned drilling program of approx. 6,500 meters
- Open pit mining for 10 - 15 years, 35 - 40 years underground mining
- Open pit strip ratio of 0.45:1 (waste/ore)

Considerable JORC compliant resource estimate with upside potential from additional drilling



Engerbø is among the largest rutile deposits in the world

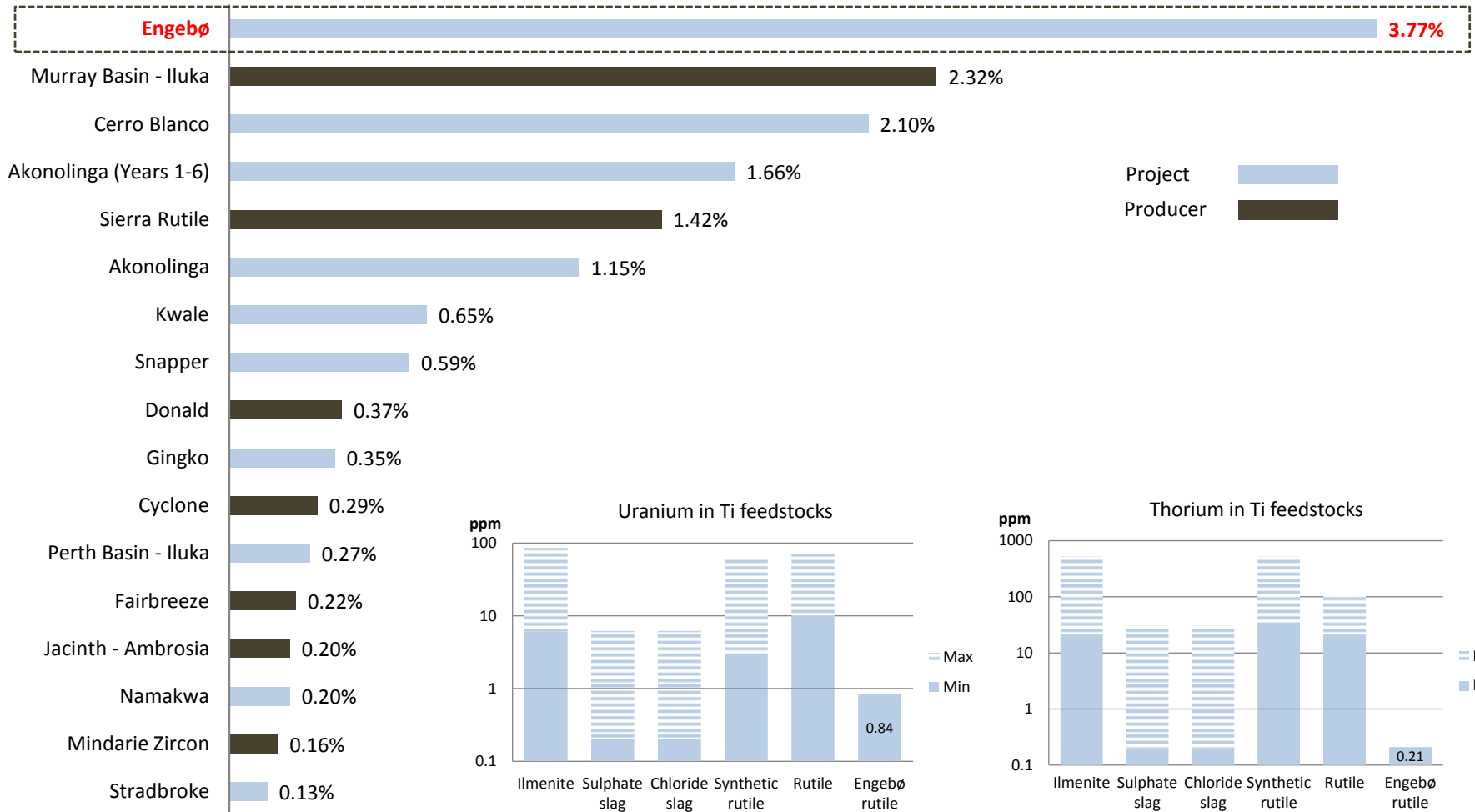


Size of bubble indicates resource size



The highest rutile grade and lowest impurity content

Rutile grade for current feedstock producers and planned projects



High grade ore with low impurities brings processing benefits and premium pricing



Why is rutile an attractive mineral?

- *Has unique opacity and reflection characteristics*
- *Is an environmentally friendly pigment component*
- *Gives no reactions from the human body*
- *Effective reflection of UV radiation*
- *Can be processed to a strong, light and non-corrosive metal*



Garnet, by-product with benefits for the environment

- Preferred sand-blasting medium, replacing sand with contents of free silica
- Garnet is used as the primary cutting medium in water-jet cutting machines
- Annual global production of garnet is approximately 2 million tonnes
- Broad prices range depending of qualities
- Water-jet quality is typically sold for USD 445 per tonne delivered in Norway
- MOU signed with a reputable international industrial minerals producer



The TiO₂ value chain from mine to consumer



Mining

- Rutile is mined from ore or mineral sands producing a rutile concentrate



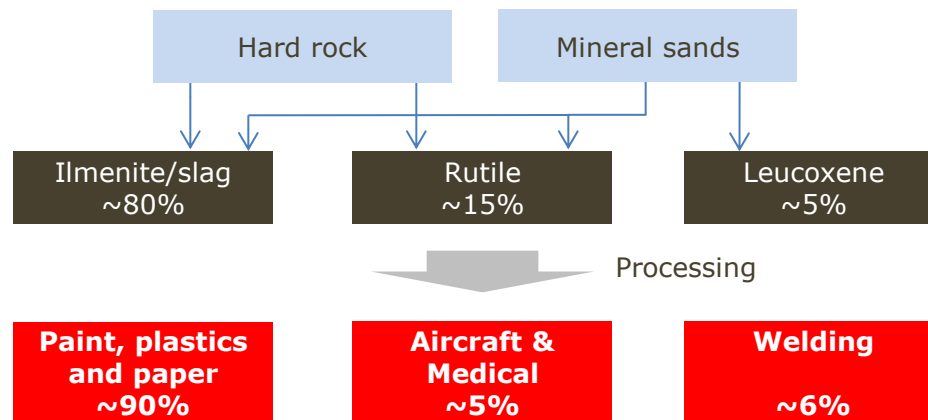
Processing

- Rutile is processed through chlorination in reactors which produces TiO₂ pigment
- Optional metallurgical process to produce titanium and related alloys



End use

- Majority of TiO₂ feedstock is used in production of pigment for paints, plastics and paper
- Approximately 5% is used for titanium



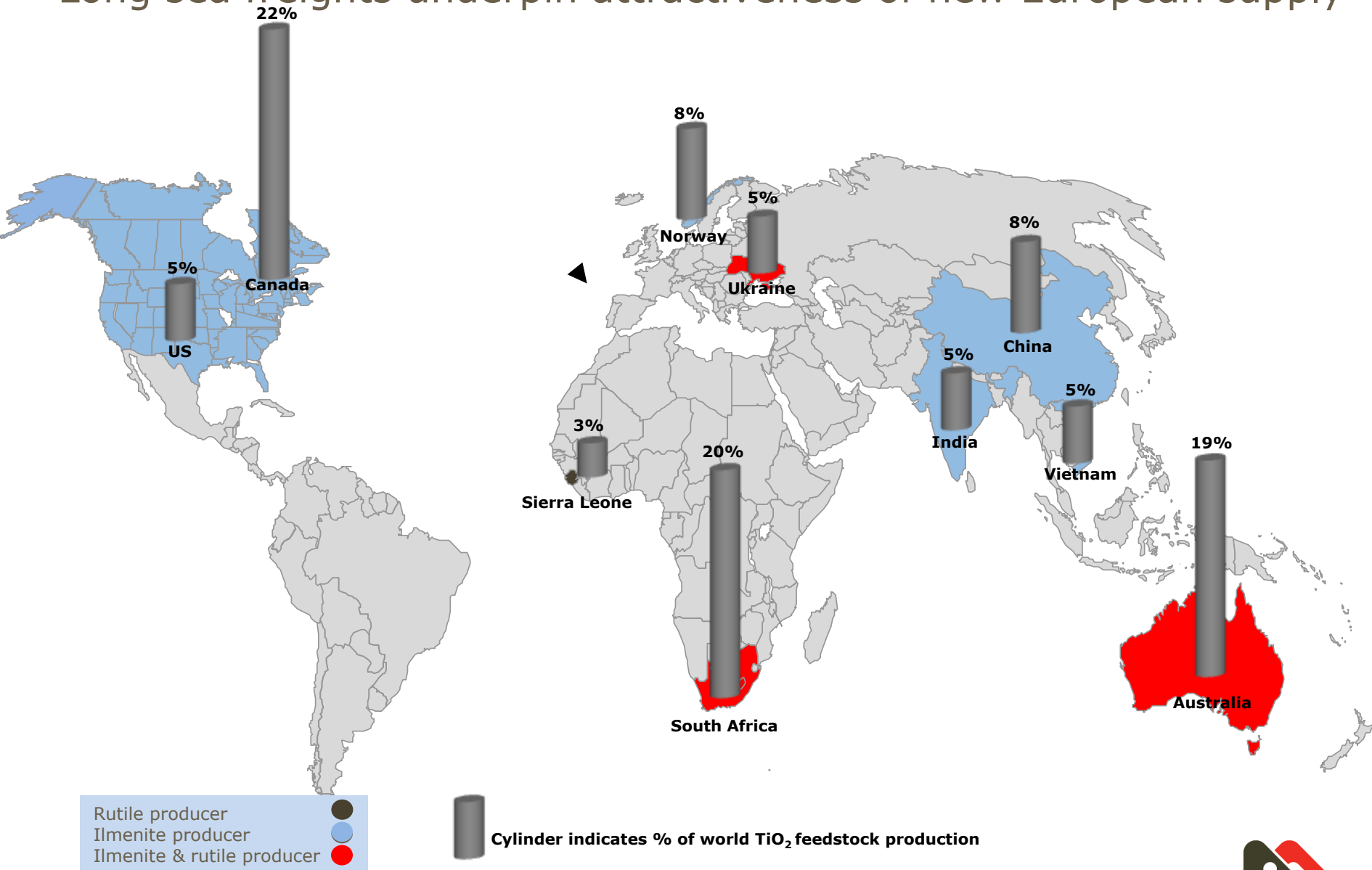
Natural rutile implies improved production and less waste vs ilmenite and other feedstock:

- ✓ **Lowest consumption of ore**
- ✓ **Lowest consumption of chloride**
- ✓ **Less waste**
- ✓ **Lower production costs**

TiO₂; small part of total cost for end-use manufacturers with few viable substitutes



Long sea freights underpin attractiveness of new European supply



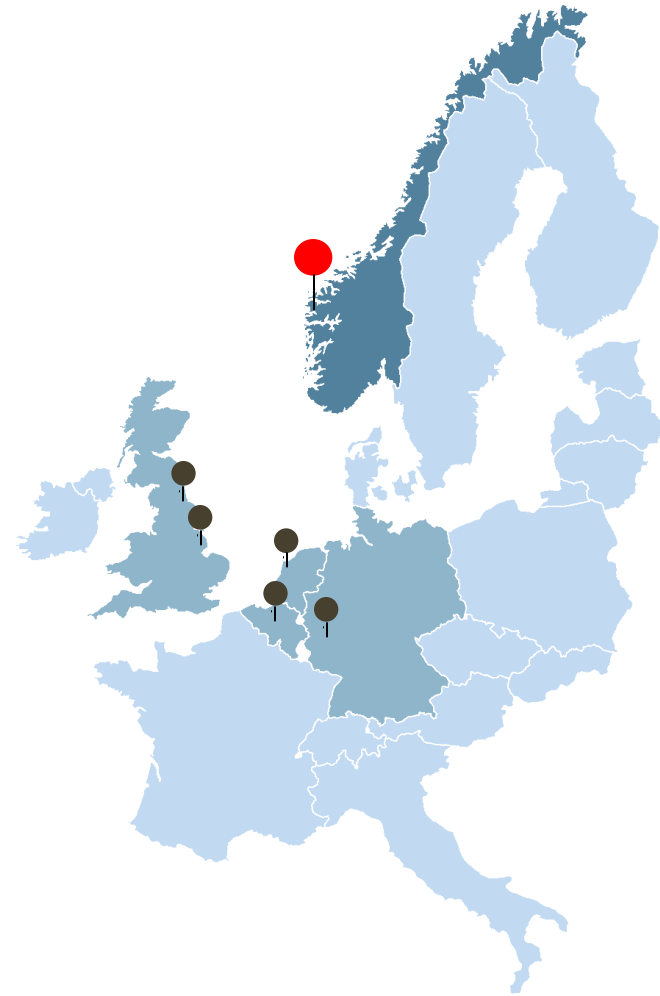
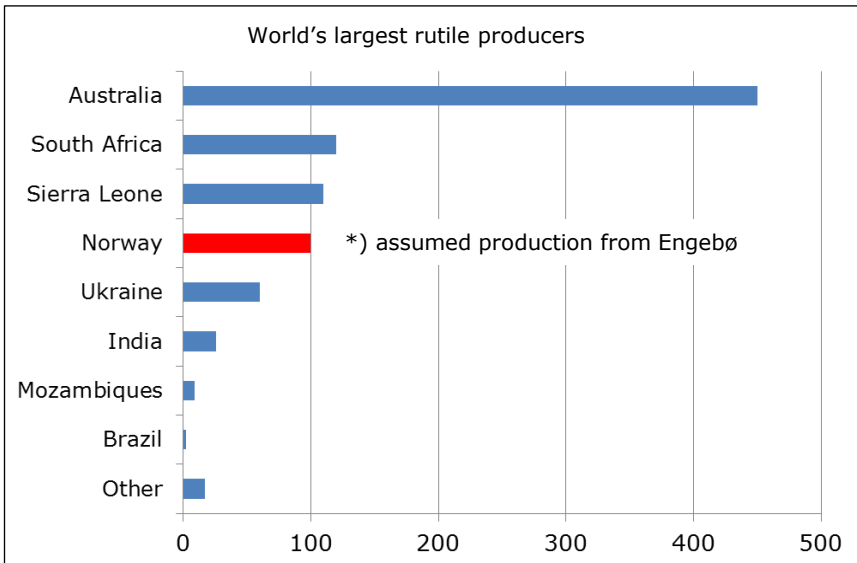
European feedstock consumption is 30% of world total; production at approx. 13%



European pigment majors will be future customers

Regional, stable supply brings customer benefits

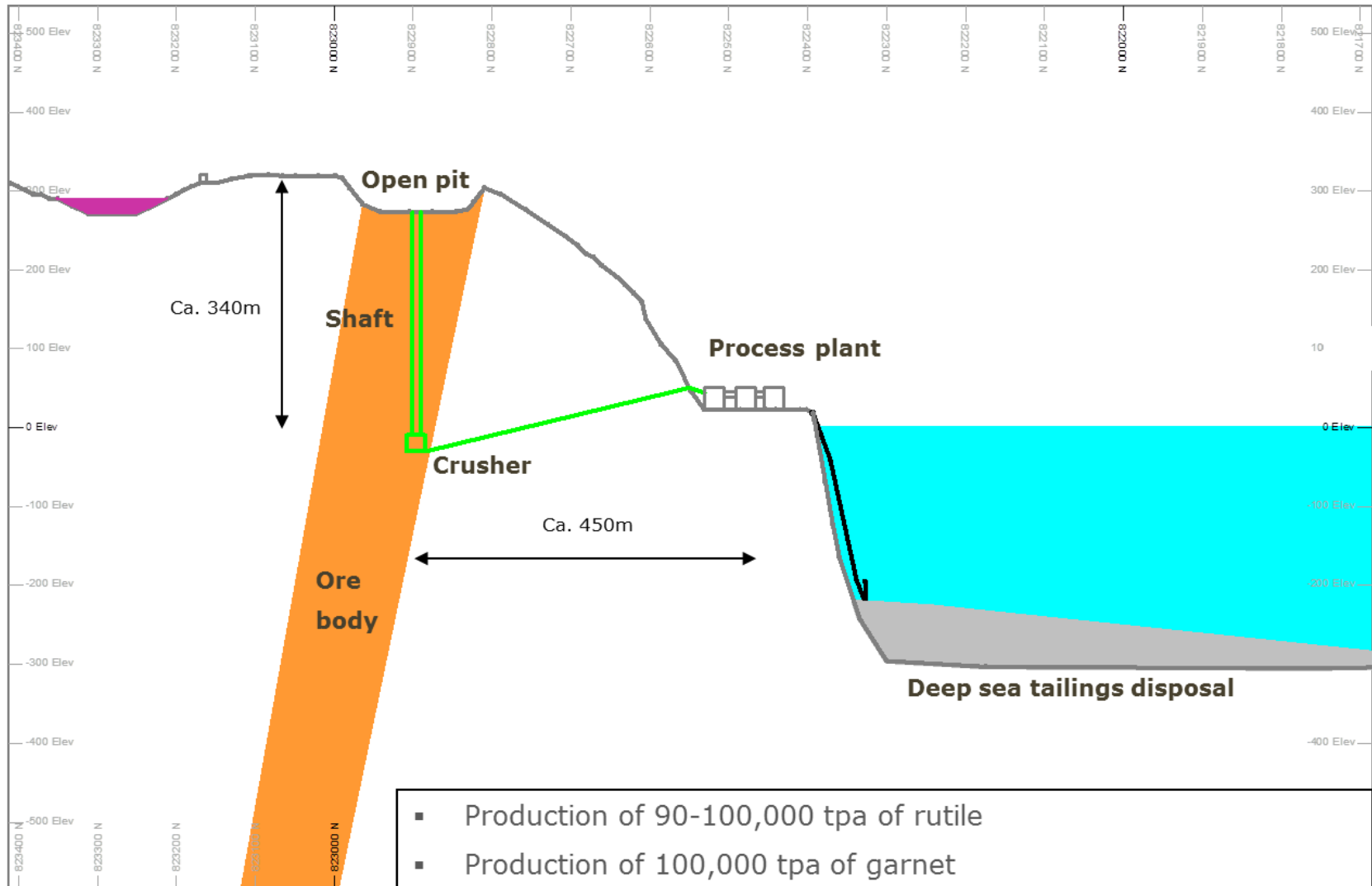
- Substantial freight reduction compared to existing supply
- Plant-to-plant shipment
- Simple logistics improve working capital, storage and planning
- Several European customers can each take Engebø's annual production



Significant supply deficit in Europe makes regional rutile production attractive



Favourable project logistics and configuration



Principle illustration

Efficient and area-tight concept, low transportation costs



Preliminary key figures

Engebø key figures	
Life of mine	50 years
Open pit production	10 - 15 years
Underground	35 - 40 years
CAPEX	USD 300 million
NPV after tax @ 8% WACC	USD 466 million
IRR after tax	20.7 %
Payback time (CAPEX/EBITDA)	4.5 years
Break-even price for rutile (IRR = 0)	USD 370 per tonne

Long project lifetime - short payback time

Note (*): Assumptions and estimates are based on preliminary internal assessments.



Preliminary capital cost and OPEX estimates*

Capex estimate	USDm
Royalties and land acquisition	13
Infrastructure and civil	83
Mine	17
Crushing facility	22
Wet process package	107
Dry process package	55
Laboratory and misc.	4
Total	300

OPEX estimates (open pit)	USD/t rutile
Ex. by-product credit	550
Incl. by-product credit	185

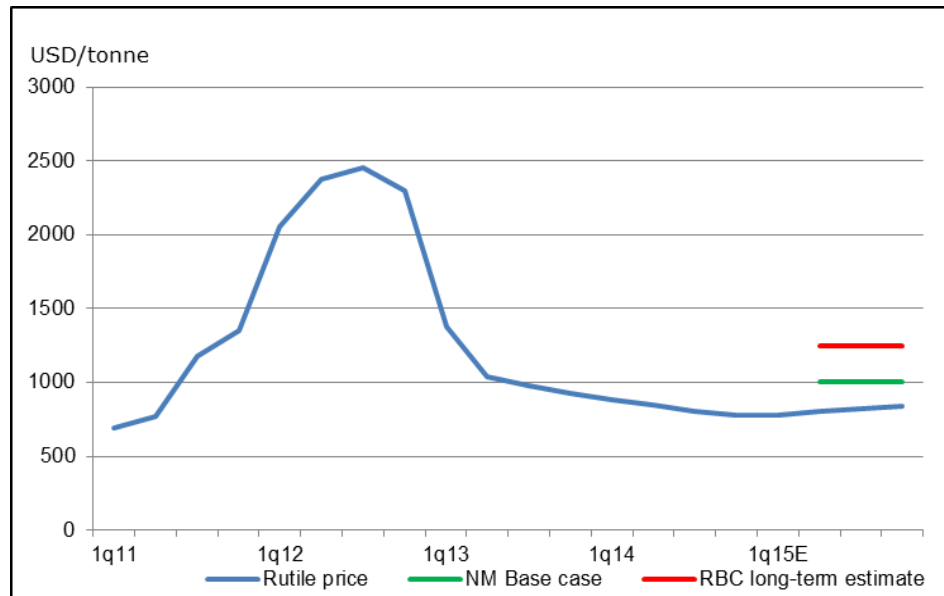
Peer comparison Sierra Rutile **	USD/t rutile
Incl. by-product credit 2014	646
Incl. by-product credit 2015est.	595-615

- The preliminary capital cost estimate includes approx. 20% contingency
- Capex review will be part of the continued project planning process
- Total construction time of 24 months
- Deep sea key already in place, ready to use
- Based on comparable operations in Norway and internationally
- By-product credits mainly from garnet which is produced without additional costs

Simple ore and product logistics reduce investments, OPEX and overrun risk



Positive market outlook - robust project financials*

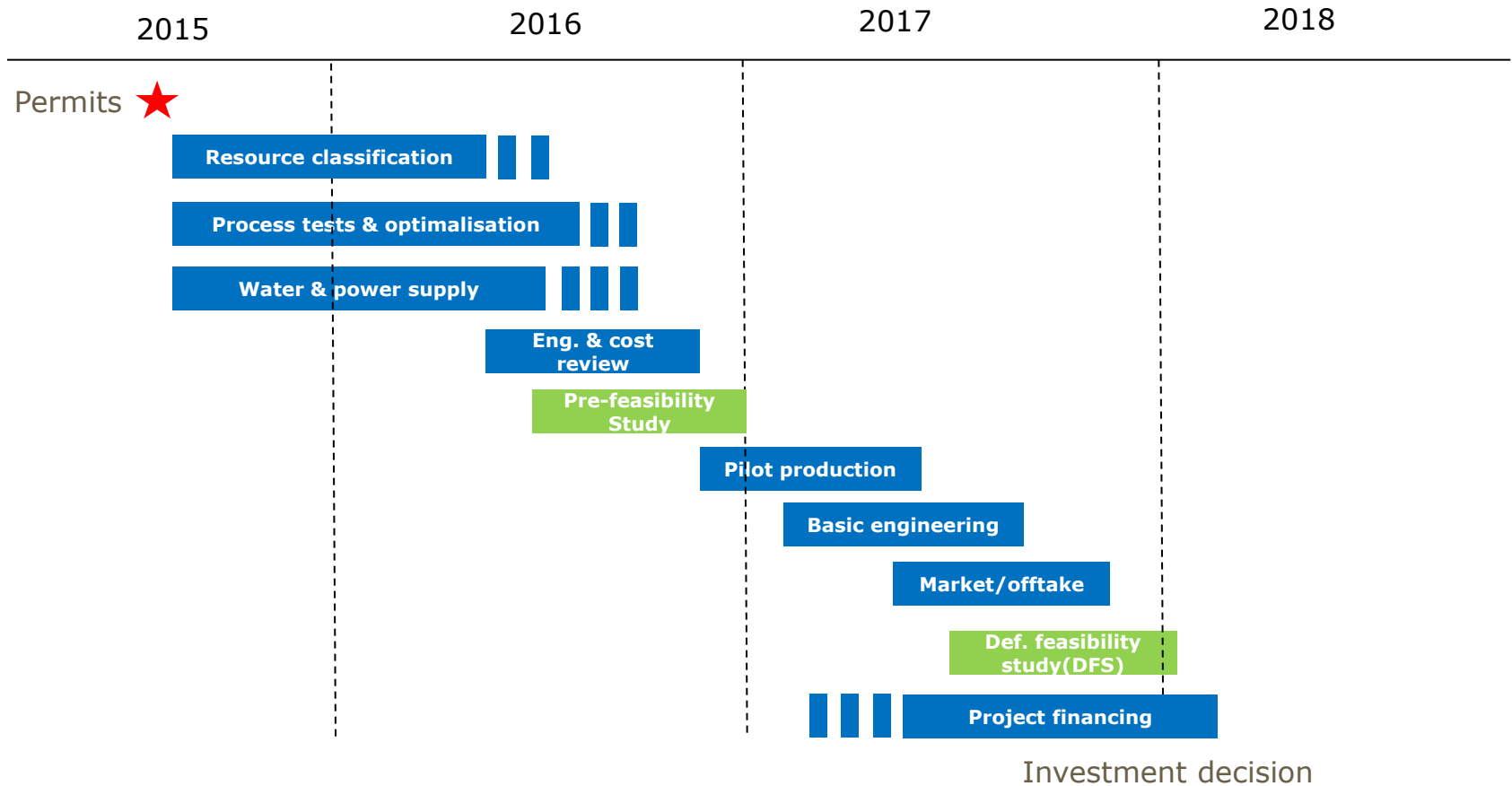


Rutile price scenarios	Low	NM Base case	RBC LT-est.**
Key figures	USD 800	USD 1,000	USD 1,250
NPV @ 8% (USD million)	281	466	670
IRR	16.2%	20.7%	25.2%

Market trends and long project lifetime are favourable for project financials



Project development – tentative timeline



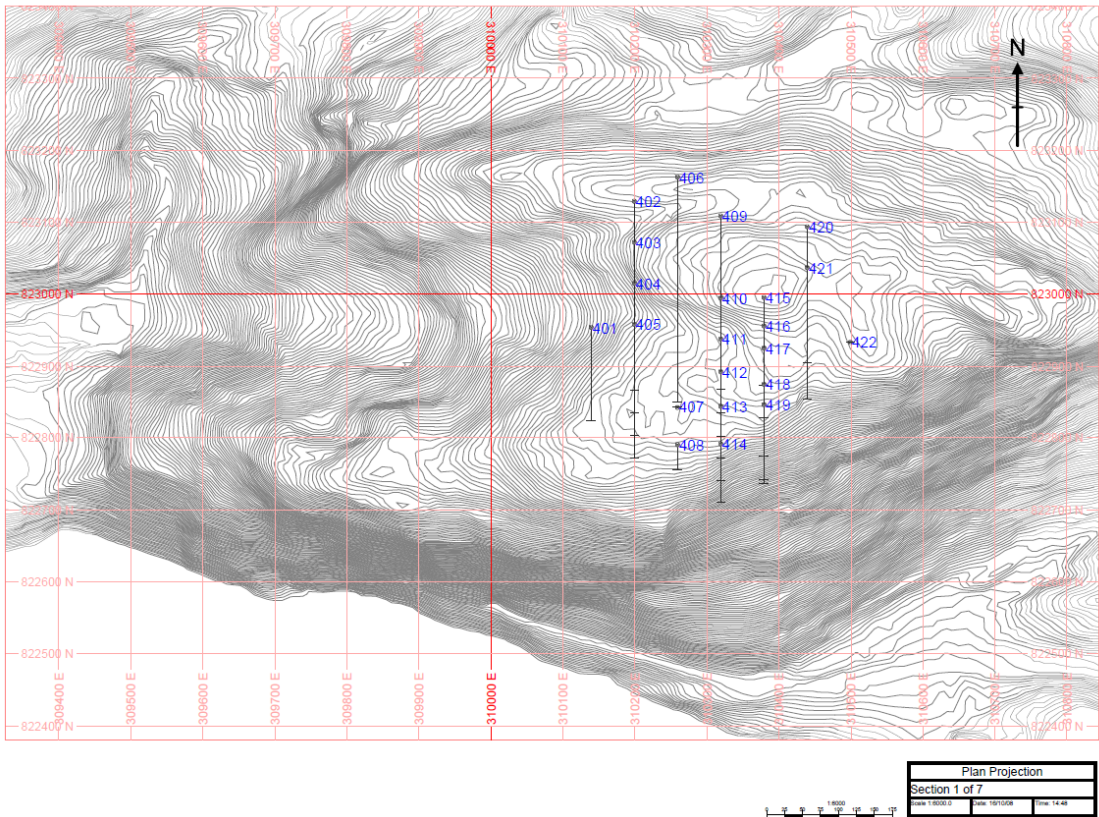
Development activities towards PFS

Activity	Further description	Cost estimate
Resource classification	<ul style="list-style-type: none"> • Core drilling approx. 6,500 meters in the open pit zone, drill core analysis, geotechnical assessments • Resource modeling and estimations in accordance with the JORC Code 2012 	USD 1.4 million
Process testwork and optimisation	<ul style="list-style-type: none"> • Further process tests and optimization of flowsheet • Target: Increased rutile recovery and define cost-effective process solutions • Reduce or avoid flotation? 	USD 2.0 million
Engineering and cost review	<ul style="list-style-type: none"> • Pre-engineering • Updated estimates for Capex/Opex 	USD 0.5 million
Supply of process water and hydropower	<ul style="list-style-type: none"> • Assessment of alternatives • Applications with supporting documentation 	USD 0.6 million
Technical advisor and PFS coordination	<ul style="list-style-type: none"> • Assessment of candidates ongoing 	USD 1.5 million
Project management and overhead	<ul style="list-style-type: none"> • Lean project team; project leader and 2- 3 key persons • General corporate overhead 	USD 3.4 million
Contingency	<ul style="list-style-type: none"> • Approximately 10% 	USD 0.9 million
Total		USD 10.3 million

Permits in place – project development advancing towards PFS



Core drilling program is ongoing

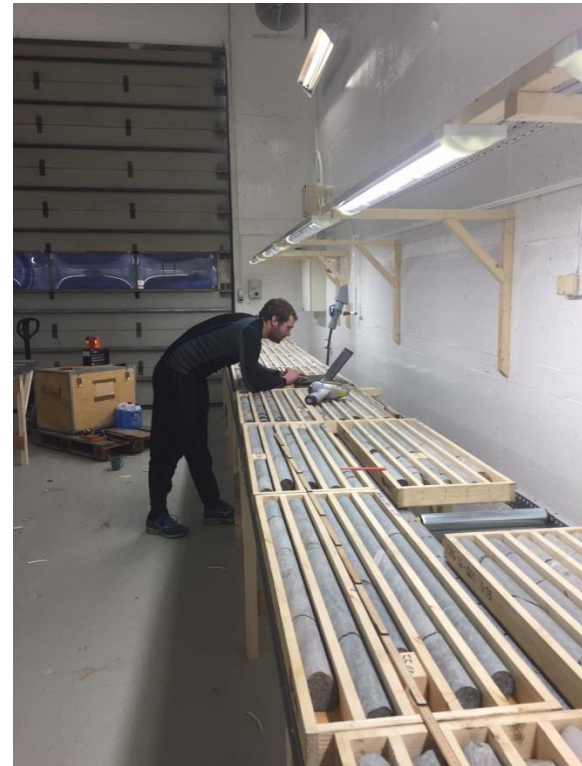


- Around 40 drill holes; approximately 6,500 meters, primarily in the open pit area – Finnish company Kati assigned
- Geotechnical assessments – Wardell Armstrong assigned
- Resource modeling and estimations – Competent person Adam Wheeler

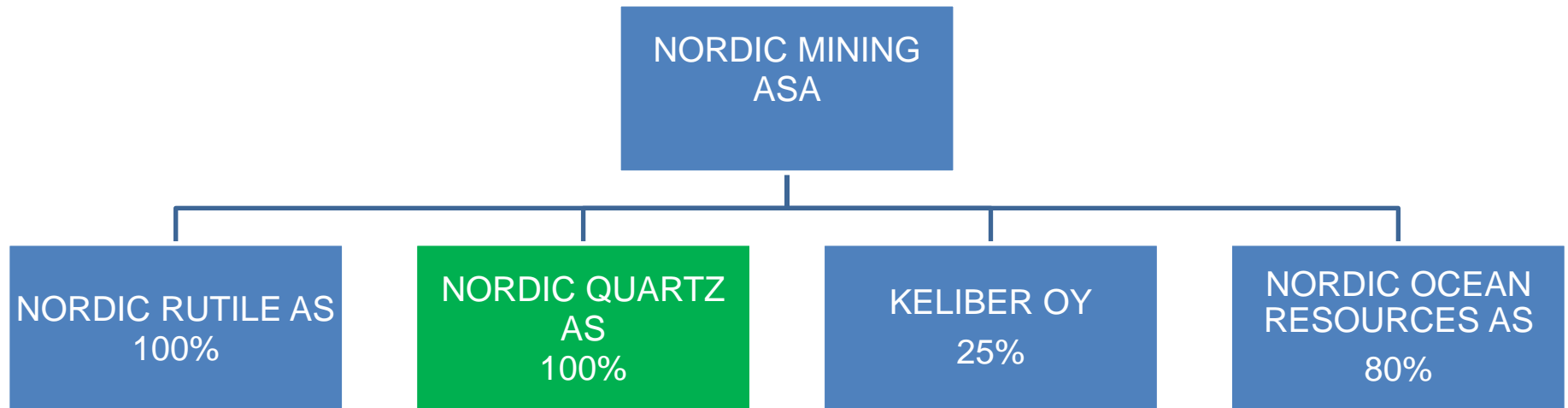
Resource estimations and reclassification expected to be completed in Q3 2016



Drilling program at Engebø ongoing



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Nordic Quartz (100%) - Development in High Purity Quartz



Project highlights

- JORC compliant resource estimates of 2.9 million tonnes (indicated) and 1.3 million tonnes (inferred), with average quartz content of 65%*
- Substantial volumes in massive quartz zones (>95% quartz content)*
- Estimated NPV of USD 60 million @ 8% WACC in scoping study (2012) based on annual production of 5,000 tonnes of HPQ
- Demonstrated superior product quality for advanced applications/markets

Key features

- Outcropping hydrothermal quartz deposit
- Low in critical elements as Ti, Al, Fe, P, Na, K, Li, B
- Ideally situated, close to infrastructure and port
- Small-scale mining operation for HPQ production; 20 – 30,000 tonnes ore per year
- Limited environmental impact

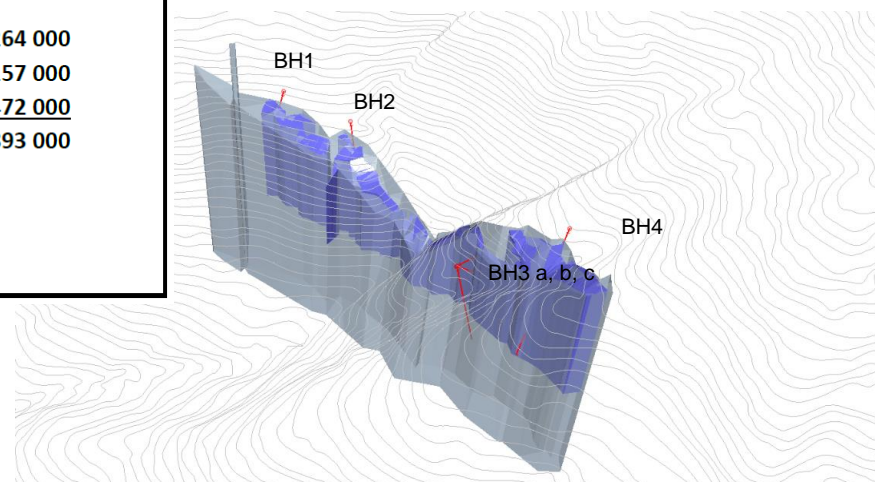
Bringing a new long term supplier to the HPQ industry



Completed core drilling has provided JORC resource estimate

6 holes drilled of a total of 600 meters

	tonnage ton	hydrothermal quartz %	hydrothermal quartz content ton
Indicated resources			
Transition zone	1 467 000	40	587 000
Semi-massiv zone	631 000	80	505 000
Massive quartz zone	<u>849 000</u>	<u>95</u>	<u>807 000</u>
	2 922 000	65	1 899 000
Inferred resources			
Transition zone	645 000	41	264 000
Semi-massiv zone	199 000	79	157 000
Massive quartz zone	<u>497 000</u>	<u>95</u>	<u>472 000</u>
	1 341 000	66	893 000



Process tests has proven world class product quality



Quality	Total impurities (ppm)	SiO ₂ %
Nordic Quartz	13	99.9987
IOTA Std	19	99.9981
IOTA 4	12	99.9988
IOTA 6	11	99.9989



Scoping study* reveals robust project financials

Project highlights

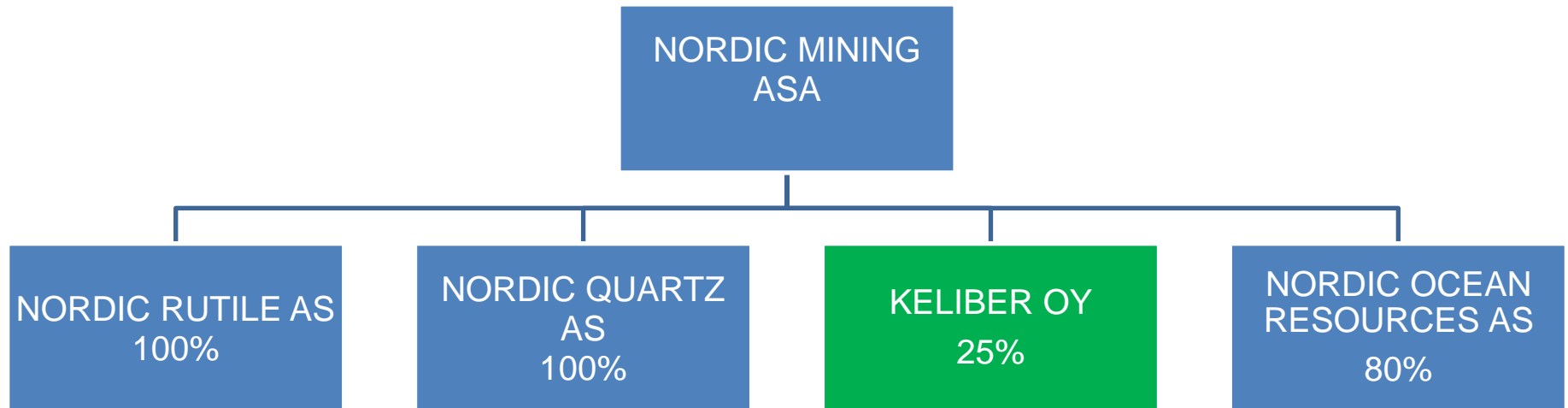
- Small-scale mining operation; 20,000 – 30,000 tonnes per year
- 30 - 40 employees
- Limited environmental impact
- High purity and high value products require advanced processing facilities



Key assumptions and figures	Units	Scoping study
Annual production/sales of HPQ	Tonnes	5,000
Average HPQ product price	USD/tonne	6,700
Operating cost	USD/tonne	4,000
CAPEX	USD million	49
NPV after tax @ 8% discount rate, 30 yrs LOM	USD million	60
IRR after tax	%	20.5
Pay-back time (CAPEX/EBITDA)	Years	4.3



Nordic Mining Group



Moving forward in high-grade lithium



Project highlights

- Estimated 6.2 million tonnes mineral resource at an average grade of 1.26 Li₂O (JORC Code 2004/2012)*
- Estimated 4.5 million tonnes ore reserves at an average grade of 1.10 Li₂O in the proven and probable categories (JORC Code 2012)*
- Region with promising exploration potential
- Cost efficient and environmentally friendly processing method
- Pre-Feasibility Study and EIA reporting scheduled in March 2016

Key features

- Mining permit in place for the Lanttä deposit
- Ideally located; close to processing industry cluster with excellent infrastructure and port facilities
- Demonstrated +99.9% Li-product suitable for advanced battery applications, i.a. for EV/HEV
- Expected high growth rate i.a. for HEV batteries; CAGR 15% for the period 2015 – 2019**
- Price of lithium carbonate (LCE) is surging

Keliber targets to be the first producer in Europe of battery grade lithium carbonate



Note (*): Competent Persons responsible for the estimations are Markku Meriläinen and Pekka Lovén, Outotec (Finland) Ltd.

Note (**): Technavio Research (www.technavio.com)

Mineral Resources and Future Potential

Increased resources and good exploration potential

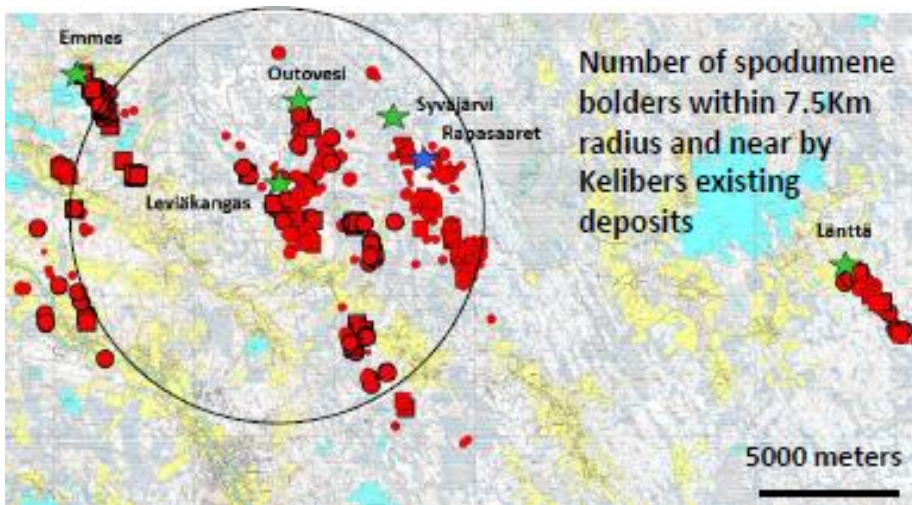
➤ Successful exploration

- Company's exploration drilling programs have resulted a 290 percent increase in Company's JORC compliant mineral resources during 2013 – 2015

➤ Exploration potential

- The lithium province of Central Ostrobothnia covers over 500 square km and is one of the most significant areas of high potential of lithium in Europe

Mineral Resources					
Category	Deposit	kt	Li2O%	Cut off	JORC
Measured	Länttä	433	1,12	0,50	2004
Indicated	Länttä	868	1,06	0,50	2004
	Syväjärvi	1 668	1,34	0,50	2012
	Rapasaari	1 956	1,25	0,50	2012
	Outovesi	289	1,49	0,50	2004
	Leviäkangas	190	1,13	0,50	2004
	Emmes	818	1,40	0,70	2012
	Total	5 789	1,28		
Measured and Indicated		6 222	1,26		
Inferred	Syväjärvi	73	1,58	0,50	2012
	Leviäkangas	271	0,90	0,50	2004
	Total	344	1,04		



The Mineral Resources (JORC JORC 2004 and 2012) Markku Meriläinen (MAusIMM) and Pekka Lovén (MAusIMM (CP) Outotec Finland Oy.



Estimated Ore reserves of Keliber Lithium Project

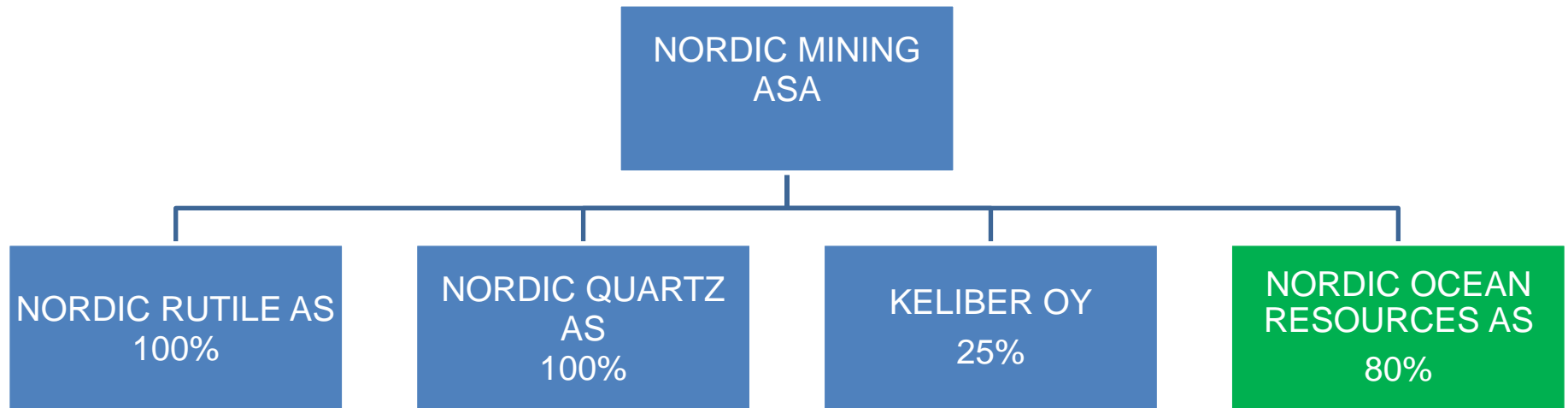
Ore Reserves				
Category	Deposit	kt	Li2O%	JORC
Proven	Länttä	470	0,95	2012
Probable	Länttä	540	0,93	2012
	Syväjärvi	1 480	1,19	2012
	Rapasaari	1 750	1,09	2012
	Outovesi	250	1,20	
Proven and Probable		4 490	1,10	



The Ore Reserves (JORC JORC 2012) Markku Meriläinen (MAusIMM) and Pekka Lovén (MAusIMM (CP) Outotec Finland Oy. Ore Reserves are included in the Mineral Resources presented earlier.

- Ore Reserves are sufficient for 16 years of production in a 6,000 tpa lithium carbonate scenario, and for more than 10 years in evaluated scenarios with increased capacity.

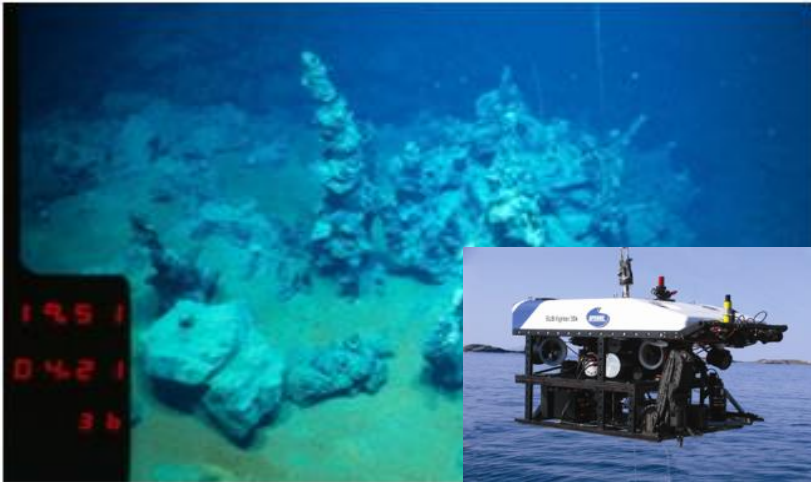
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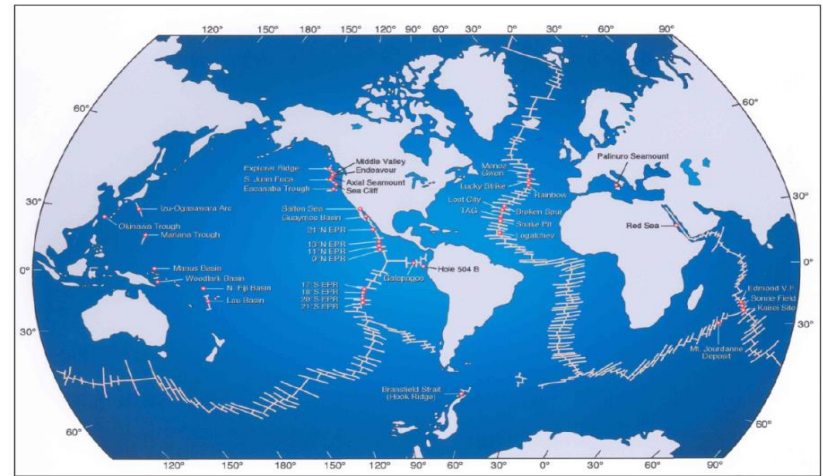
**NORDIC OCEAN
RESOURCES AS** (80%)

Pioneer in seabed mineral exploration in Norway



Company highlights

- Nordic Ocean Resources (NORA) has taken a pioneering initiative for exploration of Norway's seabed mineral resources
- NORA has established in-house competence and excellent network with national and international companies and institutions
- NORA has participated in a pre-project for the first estimation of possible mineral resources in the Norwegian Economic Zone (EEZ)



Company highlights

- NORA has applied for exploration licenses in the Norwegian Economic Zone, and has ambition to be the first company exploring for seabed minerals in Norway
- NORA participates in the MARMINE project having received NOK 25 mill. in grants from the Norwegian Research Council
- The MARMINE project will follow up the pre-project and contribute to the knowledge base for seabed mineral resources

Leveraging Norway's subsea technology



Investment highlights

Significant value potential

- Sum of the project NPVs @ USD 550 million* vs. market cap. below USD 30 million

Titanium - Natural Rutile

- World class rutile deposit; 50 years mine life and highest global TiO_2 grade
- Favourable location and logistics; competitive Capex/Opex
- Environmental permit for 50 years operation (zoning plan and discharge permit)



Titanium – Natural Rutile



High Purity Quartz



Lithium

High Purity Quartz

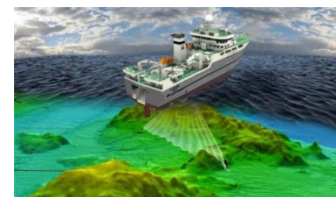
- JORC compliant resource in green-tech mineral

Lithium

- JORC classified ore reserves in the proven and probable categories; 4.5 million tonnes at an average grade of 1.10% Li_2O
- Pre Feasibility Study scheduled in March 2016; expected to outline a profitable project



Platinum, Palladium



Seabed minerals

Safety – Environment - Innovation



www.nordicmining.com