E-Tech Resources are exploring for the rare earth elements necessary to drive the global transition to clean energy

www.etech-resources.com

E-TECH RESOURCES

Company Presentation

MAY 2023

TSXV: REE | FSE: K2i

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Technical Disclaimer
The technical and scientific information in this presentation has been reviewed and approved by Pete Siegfried, BSc. (Hons), M.Sc., who is a Consulting Geologist and a director of GeoAfrica Prospecting Services cc and has reviewed and approved the scientific and technical information in this presentation. Mr. Siegfried is a member of The Australasian Institute of Mining and Metallurgy (AusIMM) membership number: 221116 (CP Geology), and a Qualified Person for the purposes of National Instrument 43-101. Mr. Siegfried consents to the inclusion of this information for the presentation.

E-Tech Resources is a Rare Earth Element
Exploration and Development Company in Namibia

We're exploring for
Rare Earth Elements, particularly

NdPr

We have the potential to be one of the simplest REE projects in the world
Through our discoveries we're helping to transition the world to a cleaner future

Board & Management Team

INTERIM CEO — CANADA

JIM MEGANN

In addition to holding the position of Managing Director, Jim Megann is also an accomplished executive and business leader. He is a Director of Torrent Capital, a publicly traded investment issuer; Director of Antler Gold; Director of OARO; and a Director of Sona Nanotech, a nano technology developer currently listed on the Canadian Stock Exchange.

CFO — CANADA

ROB RANDALL

A contract CFO for a number of public companies including Torrent Capital, Antler Gold and Sona Nanotech. Rob has extensive financial experience working within many African countries overseeing all financial aspects of resource exploration and production activities.

KEN MARSHALL

ENERGY, CANADA

PROF FRANCES WALL

GEOLOGY, UK

Professor of Applied Mineralogy at Camborne School of Mines, University of Exeter. 30+ yrs experience researching the geology and process mineralogy of global rare earth deposits and practically linking exploration stage studies to responsible sourcing outcomes. Chair of the British Geological Survey Science Advisory Committee. Member of the UK Critical Minerals Expert Committee. Named in the WIM UK '100 Global Inspirational Women in Mining' 2016 edition

JOHN PHILPOTT

HUMAN RESOURCES, CANADA

CHRIS DRYSDALE

EXPLORATION, NAMIBIA

The management team have a proven track record in mineral exploration, REE process development and financing.

PARTNERS

Exploration > Mining > Processing

Mitchell DRILLING INTERNATIONAL — Exploration Drilling

SGS — Mineral Processing

LDE LIGHTDEEPEARTH — Mineralogical Test Work

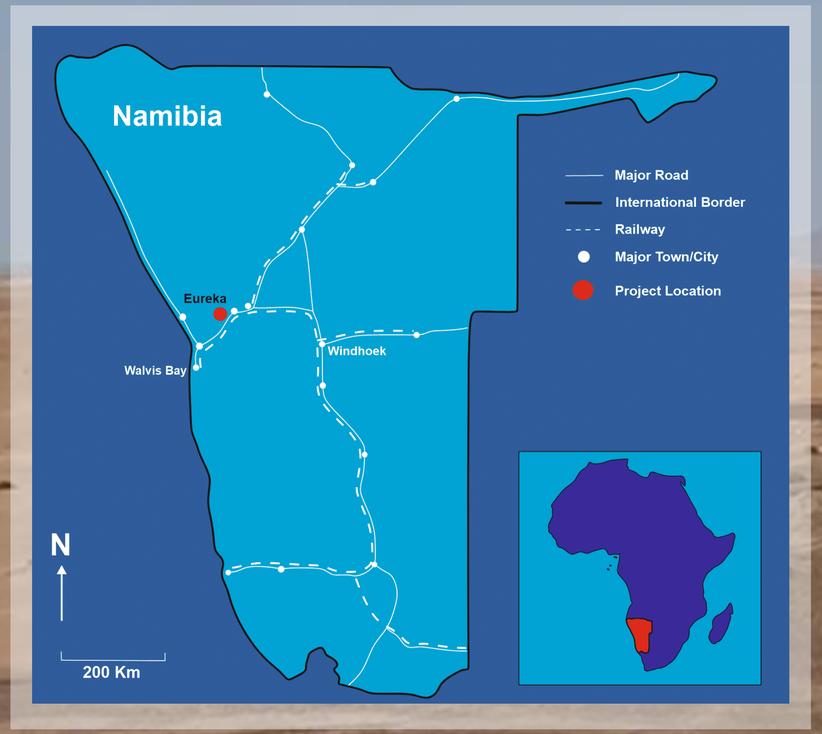
srk — Resource Auditing & Mine Modelling

SRC SASKATCHEWAN RESEARCH COUNCIL — Mineral & Metallurgical Processing

Actlabs — Assay Testing

Location & Accessibility

- Located in the Erongo Mining Corridor of Namibia
- Namibia is a top tier country for mining and is one of Africa's most stable countries



QUICK PROJECT STATISTICS AND DATA

TOPOGRAPHY
FLAT & SPARSELY POPULATED

2KM
TO B2 HIGHWAY
Tarmac roads are kept in good condition

10KM
TO RAILWAY
Railway to Walvis Bay runs parallel to B2 Arterial Road

130KM
TO WALVIS BAY CONTAINER PORT
Namibia's largest commercial port

POWER
ACCESS TO ELECTRICITY

WATER
ACCESS TO WATER

A Simple NdPr Project

Simple Mineralogy	• High grade TREO is predominantly contained in coarse grained monazite, hosted within numerous carbonatite dykes. • In-situ average grade 4.8% TREO, as stated in maiden Inferred resource (NI43-101, Aug 2021). • Additional exploration underway to assess overall footprint of the mineralization and increase tonnage.
Simple Operation	• Initial mechanized mining of dykes from open pits. • Monazite beneficiated by low-cost physical methods only. • No hazardous chemicals or expensive reagents required. • Monazite concentrate recovered using off-the-shelf beneficiation equipment.
Simple Logistical Management	• Located in flat topography adjacent to the major highway. • Direct road and rail connections to Namibia's largest commercial port. • Amenable shipping handling due to low radioactive content in the monazite. • Access to power and water.

Project to date

2016 - 2020

Q1 2017 – Q2 2019

Phase 1 Drill Programme & Trenching

Zone 1, 2 and 3

2021

TSX.V: REE listing

Q3 2021

Maiden Inferred Mineral Resource 43-101

- 310 Kt at an average grade of 4.8 % TREO, or 310 Kt of 0.7 % NdPrO, with a 1.3 % TREO cut-off applied done by SRK Consulting

Nov 2021 - Highlights

High-Grade Diamond Drill Intercepts Up To 100 Meters Below Current Resource

- 6.5 % TREO over 3.8 meters, including 11.2 % TREO over 2.2 meters, from 129.9 meters (ED004)

Dec 2021 - Highlights

Further High-Grade Assays And Expands The Mineralized Footprint

- Drill Hole ER023: 4.5% TREO over 8 meters (including 17% TREO over 2 meters) from 54m to 62m

2022

Q4 2021

Phase 2 Drilling Campaign includes 3000m of RC And 2000m of Diamond Drilling

34 RC hole, across Zones 1, 2, 3; and Zone 4 for the first time, 12 DD holes across Zones 1, 2 and 3

Feb 2022

Second Drill Campaign Results

Significant intersections include:

- 9.4m @ 1.3% TREO (ED008)
- 4.8m @ 1.2% TREO (ED009)
- 1m @ 13.4% TREO (ED017)
- 3.5m @ 4% TREO (ED011)
- 4.2m @1.2% TREO (ED017)
- 1.9m @ 1.8% TREO (ED019)

Mar 2022

Second Drill Campaign Results

Significant intersections include:

- 11.2m @ 1.2% TREO (ED013)
- 2.2m @ 2.4% TREO (ED014)
- 8.8m @ 1.0% TREO (ED015)
- 6.3m @ 1.9% TREO (ED020)

Zone 1,2,3 & 4
40 holes drilled, 37 intercepted

More assays to come

Q2-Q3 2022

Magnetic survey program totaling 1060 line-km's

Wide-spread ground radiometric survey totaling 1224 line-km's

Widespread mapping program covering entire prospective area, approx. 11,200 points.

Q4 2022

Establishing geological characteristics of Eureka deposit that will lead to new target identification

2023

The phase 4 RC drilling campaign commenced on the 21st of November 2022. 1,360 meters of planned 3000m completed to date.

pXRF Composite geochemical sampling of all historical RC drilling samples from the historical RC drilling campaign.

Acquisition of EPL 8748

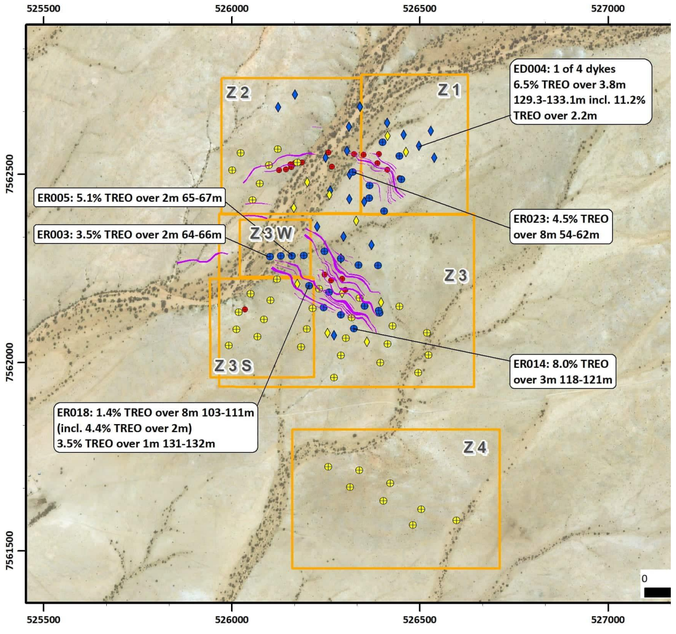
High-Grade Rare Earth Results From Ongoing Prospecting Program

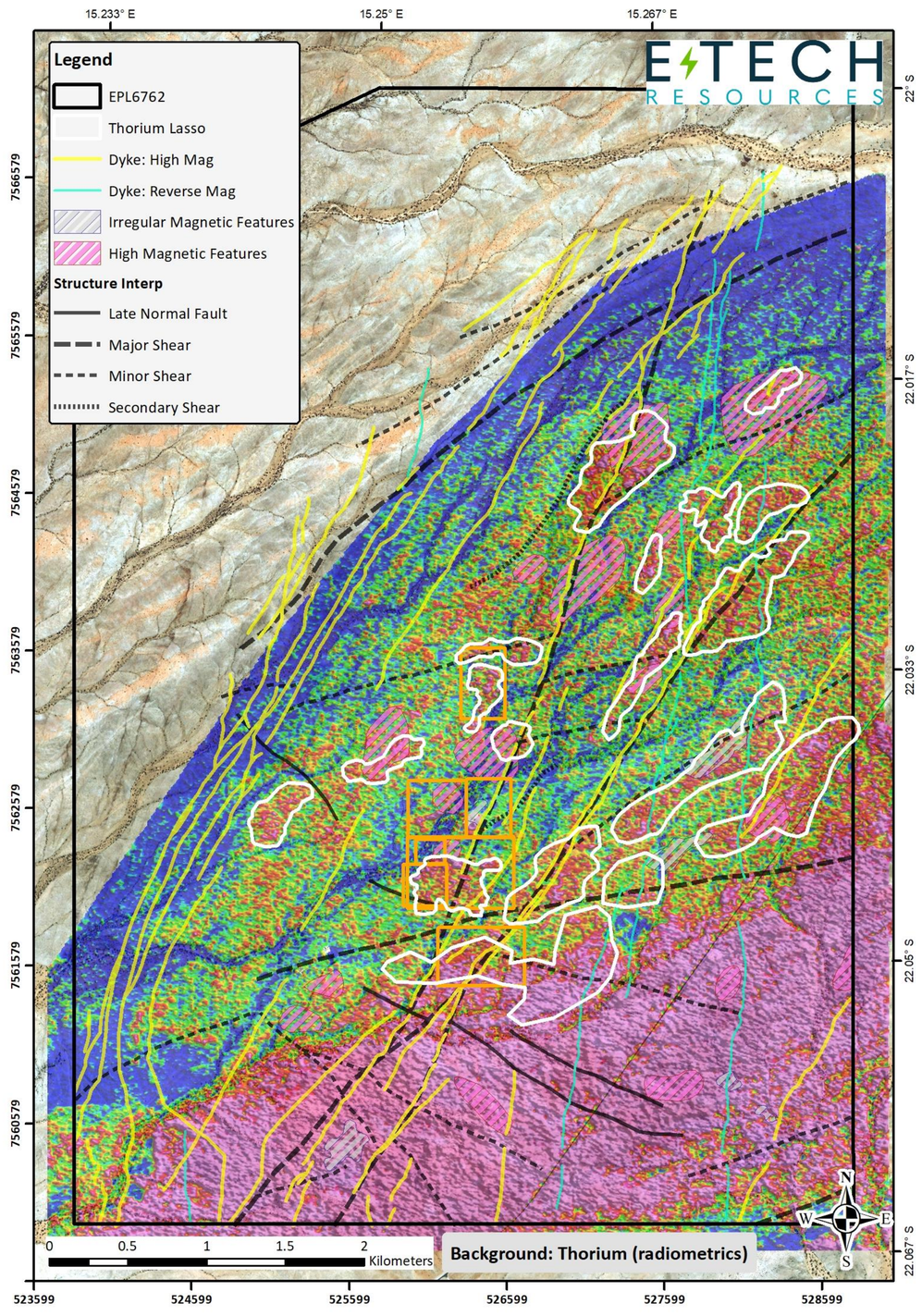
#1 Widespread Th (Thorium) Activity	#2 Field Evidence (Lithology types)
#3 Structural AOI Source/Pathway/Trap	#4 Magnetic Signature

28 March 2023

NR: E-TECH RESOURCES EXPANDS LANDHOLDINGS AT THE EUREKA PROJECT

Interpreting the results from where we started and the interest in the property to the east





E-TECH RESOURCES

From mineralization in Zone 1-4

- **#1** Widespread Th (Thorium) Activity
- **#2** Field Evidence (Lithology types)
- **#3** Structural AOI Source/Pathway /Trap
- **#4** Magnetic Signature

- Then 17 New targets with similar characteristics and started a drilling campaign in Q4 2022
- Results pending

- Resampling all historical RC drilling from Zone 1-4 .

This understanding has led to us recognising that carbonatite emplacement is restricted to the Eureka dome made up of the Etusis Formation quartzites (metasediments)

EPL 6762

	Total Area of EPL 6762	Area (Zone 1-4)	Dome Area (~1/3)
Original	3,474 ha* (34,737,800 m2)**	~1 km2	~20.7 km2

EPL 8748

	Total Area of EPL 8748	Dome Area (~2/3)
Newly Acquired	16,520 ha* (165,200,000 m2)**	35.3 km2

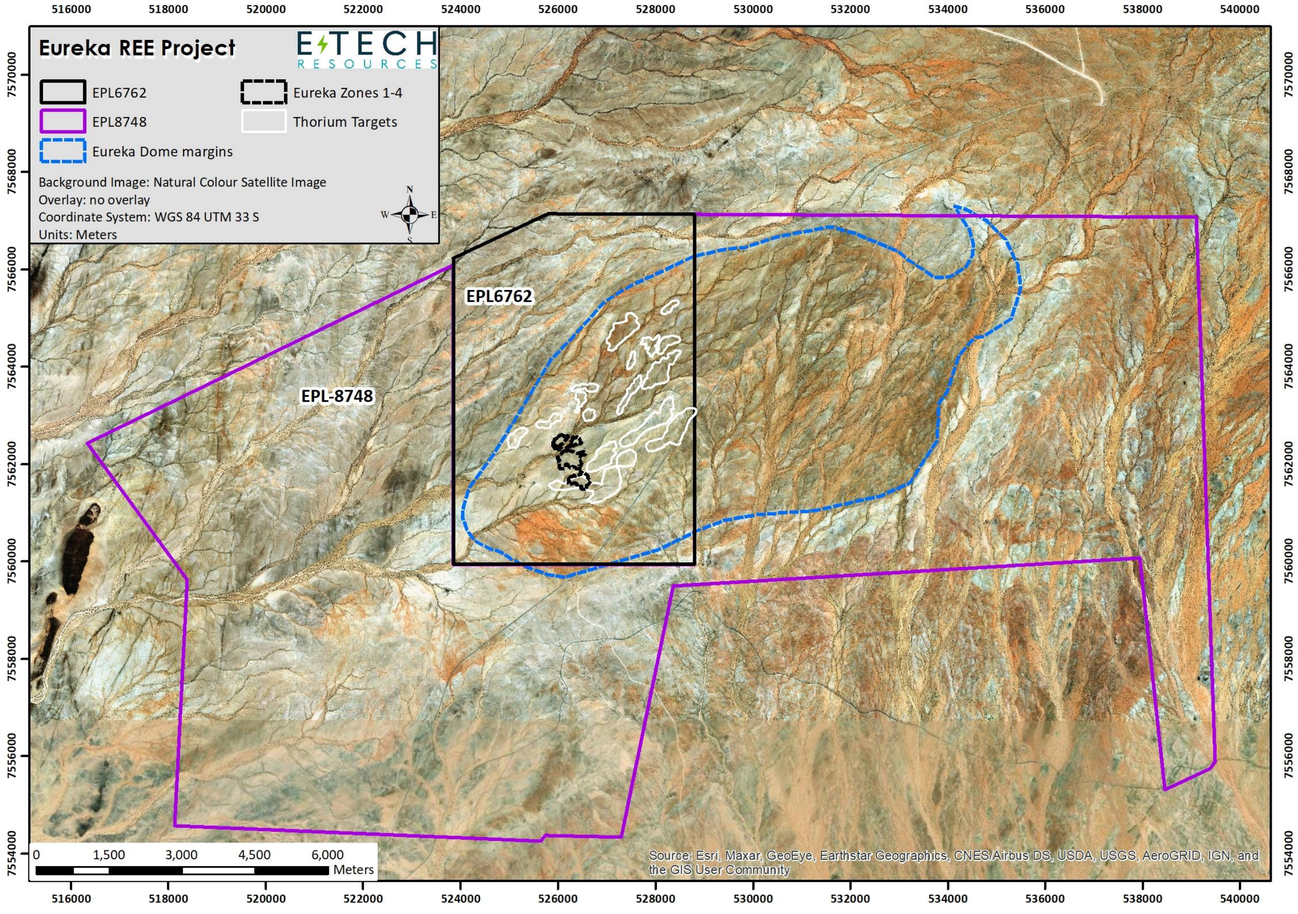
COMBINED

	Total Area of EPL 6762 & 8748	Total Area of the Eureka Dome
	19,994 ha* (199,940,000 m2)**	~ 56km2

* Rounded to near

NR: E-TECH RESOURCES EXPANDS LANDHOLDINGS AT THE EUREKA PROJECT

What is the size of the Eureka license now and what will the approach be on the new license?



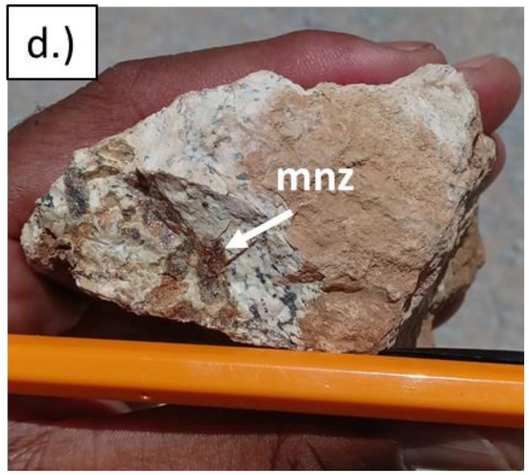
Sampling with pXRF

Instant results, help us with understanding

E-TECH RESOURCES

NR: E-TECH RESOURCES EXPANDS LANDHOLDINGS AT THE EUREKA PROJECT

The pXRF is a **significant exploration tool** and will allow the company to conduct “live” analysis of all its samples, allow us to build continues elemental composition data sets and it will ultimately lead to a massive cost reduction caused by lengthy sample result delays.



The pXRF instrument allows E-Tech to conduct a continuous results-driven and streamlined exploration project at a fraction of the cost.

In the field to **ground truth and guide** our ongoing exploration campaigns

Allow for continuous down hole sampling and building robust data sets – **more data = better understanding = discovery potential.**

pXRF allows for sampling of all historical exploration samples that may not have been sent for assay originally – potential to identify previously missed opportunities.

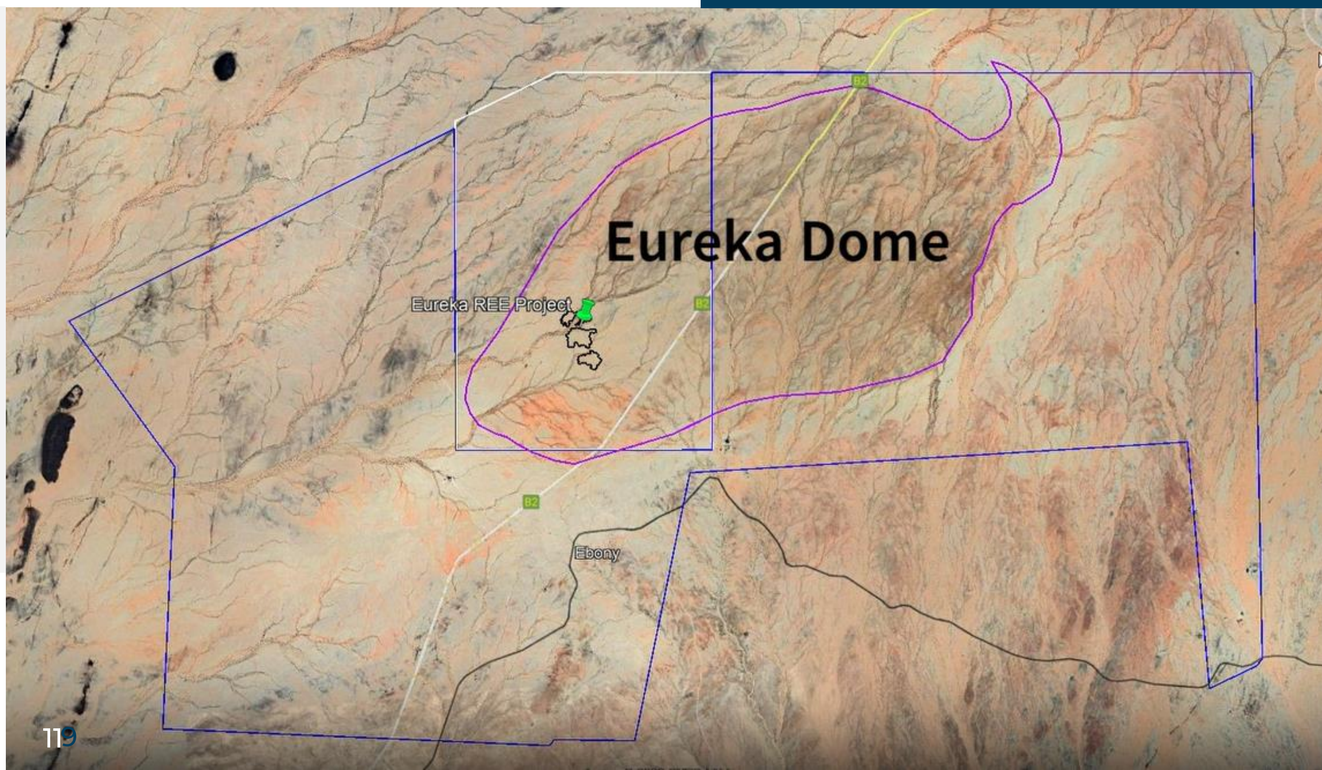
NEXT STEPS

NR: E-TECH RESOURCES EXPANDS LANDHOLDINGS AT THE EUREKA PROJECT

Next steps and timeline here?

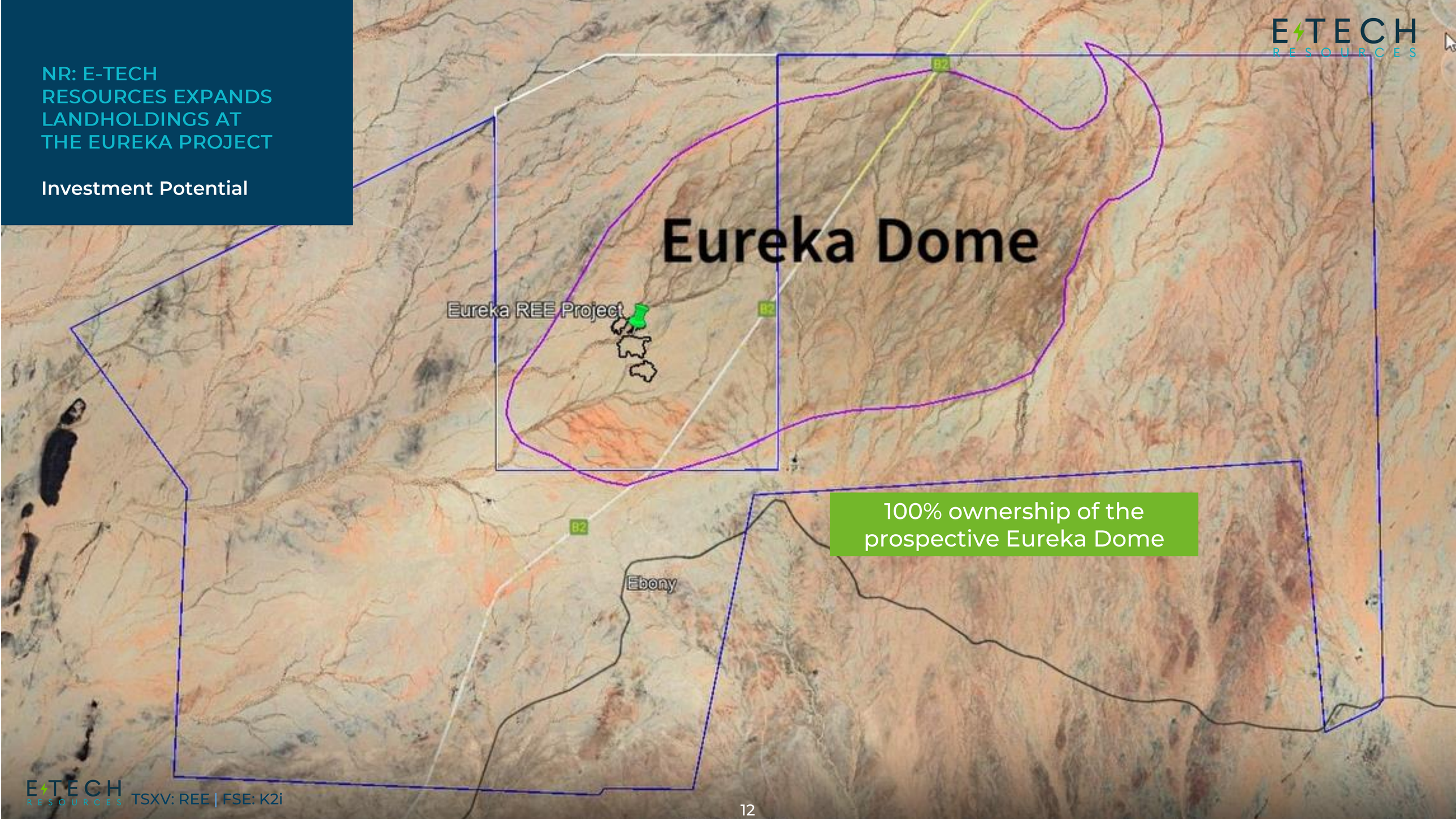
The company has contracted Excel Dynamic Solutions, an independent consulting firm specialising in natural resource sector, to submit an application for an Environmental Clearance Certificate (ECC).

During this period the company will conduct non-invasive exploration activities that will include desktop interpretation of the government-flown airborne regional geophysical data and reconnaissance ground truthing and evaluating of anomalies. Its expected that this work will highlight areas with anomalous Thorium.



NR: E-TECH RESOURCES EXPANDS LANDHOLDINGS AT THE EUREKA PROJECT

Investment Potential



100% ownership of the prospective Eureka Dome

NR: E-TECH RESOURCES EXPANDS LANDHOLDINGS AT THE EUREKA PROJECT

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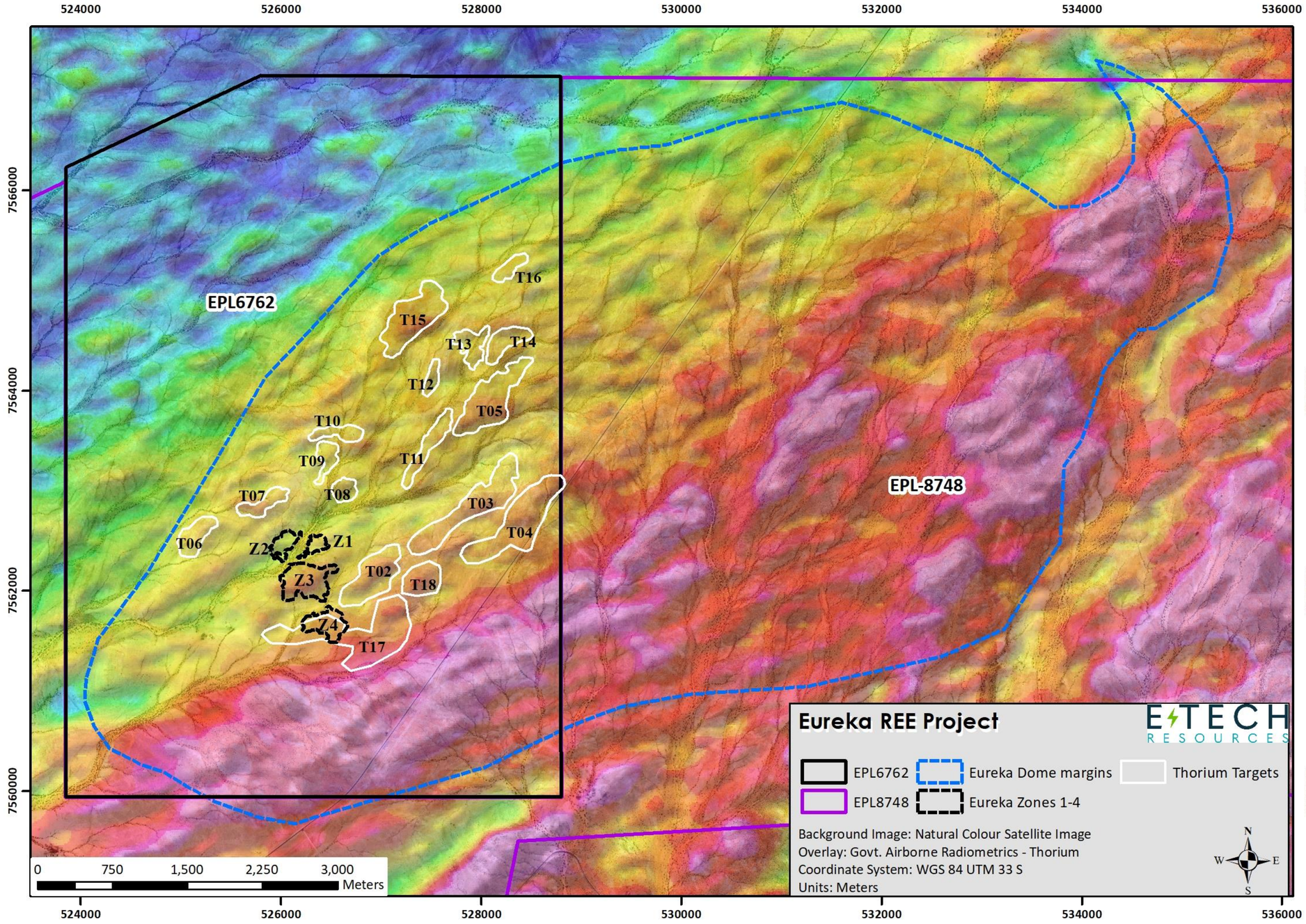

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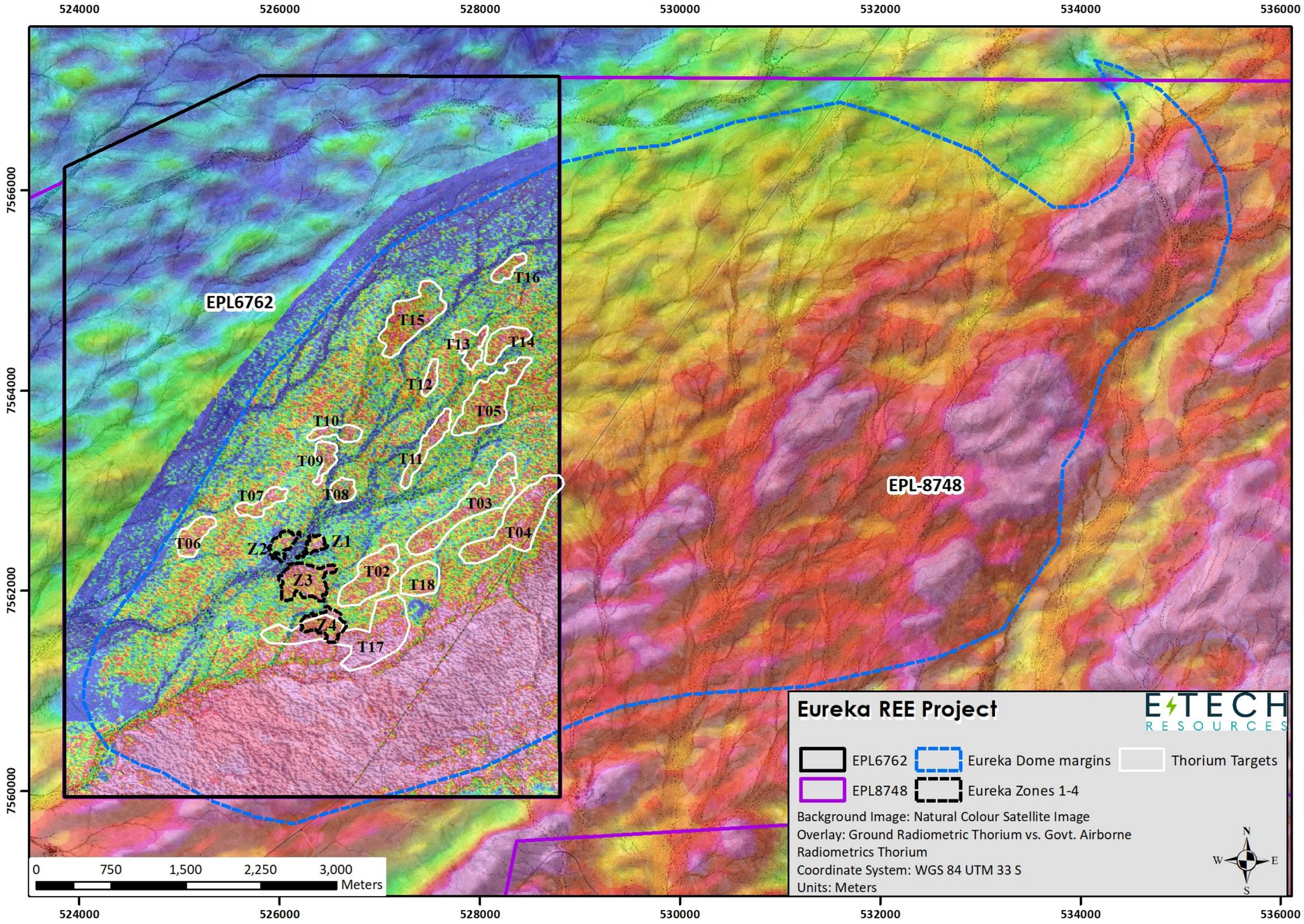

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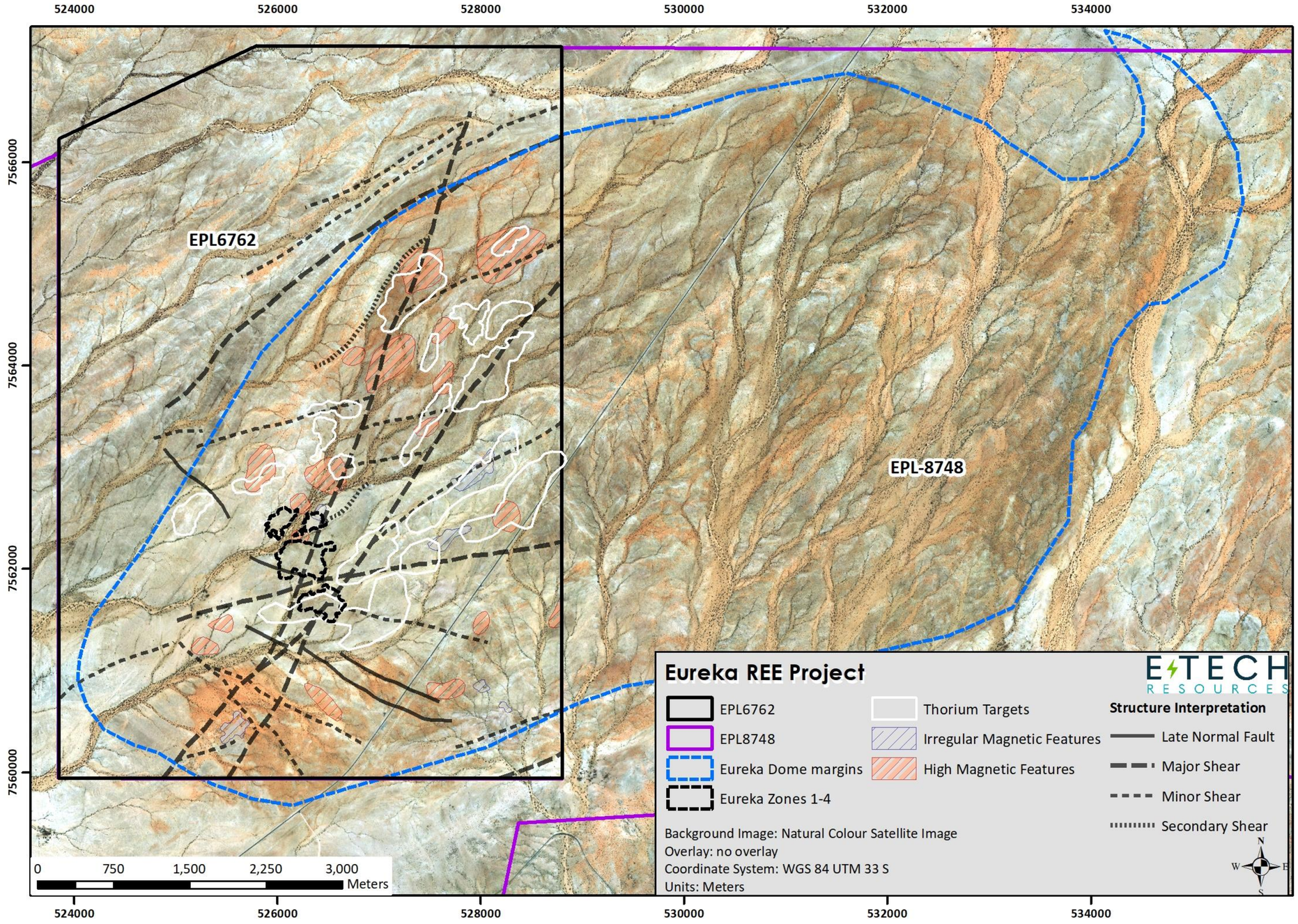

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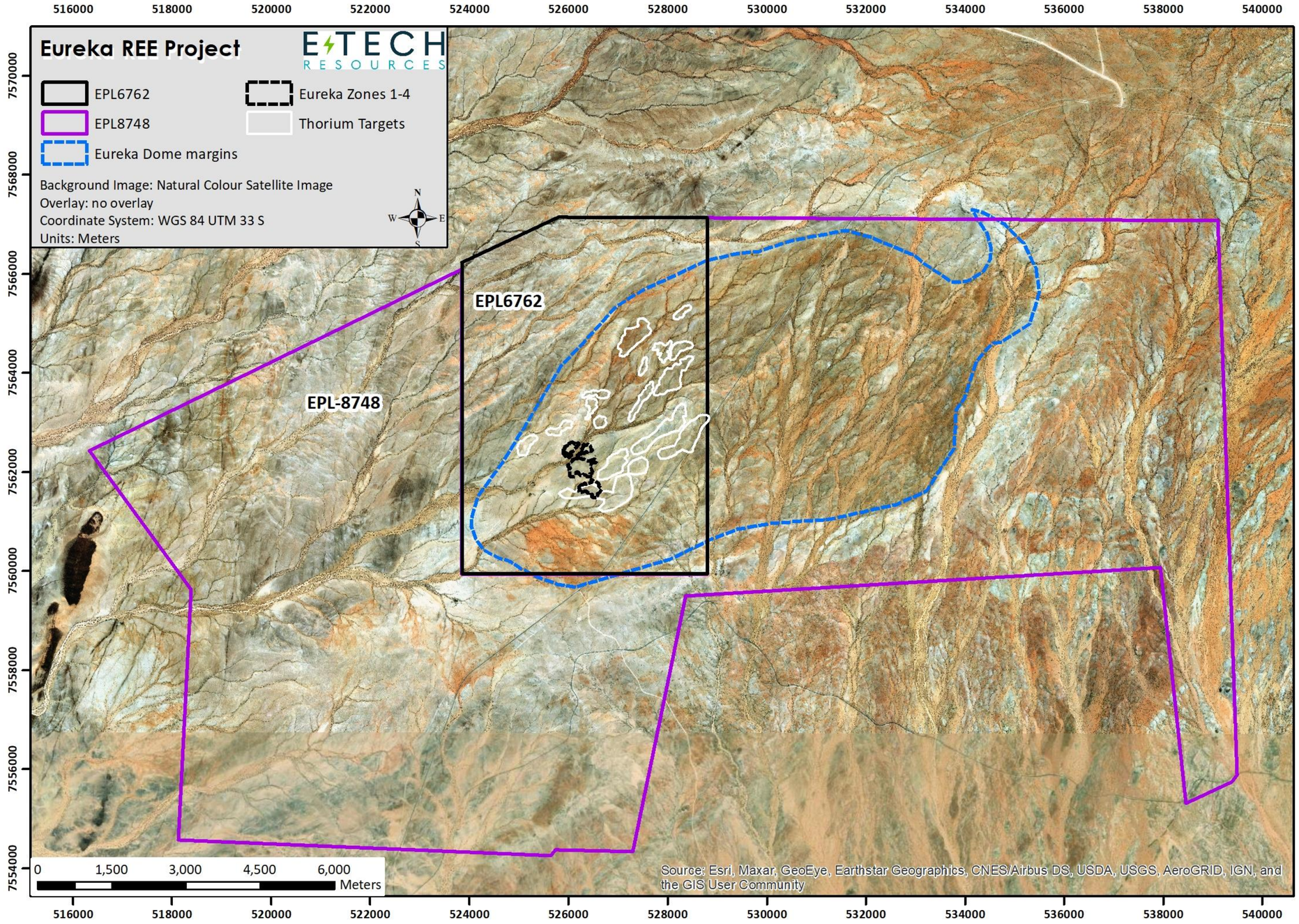

NEXT STEPS

NR: E-TECH RESOURCES EXPANDS LANDHOLDINGS AT THE EUREKA PROJECT

Next steps and timeline?

Excel Dynamic Solutions (PTY) LTD

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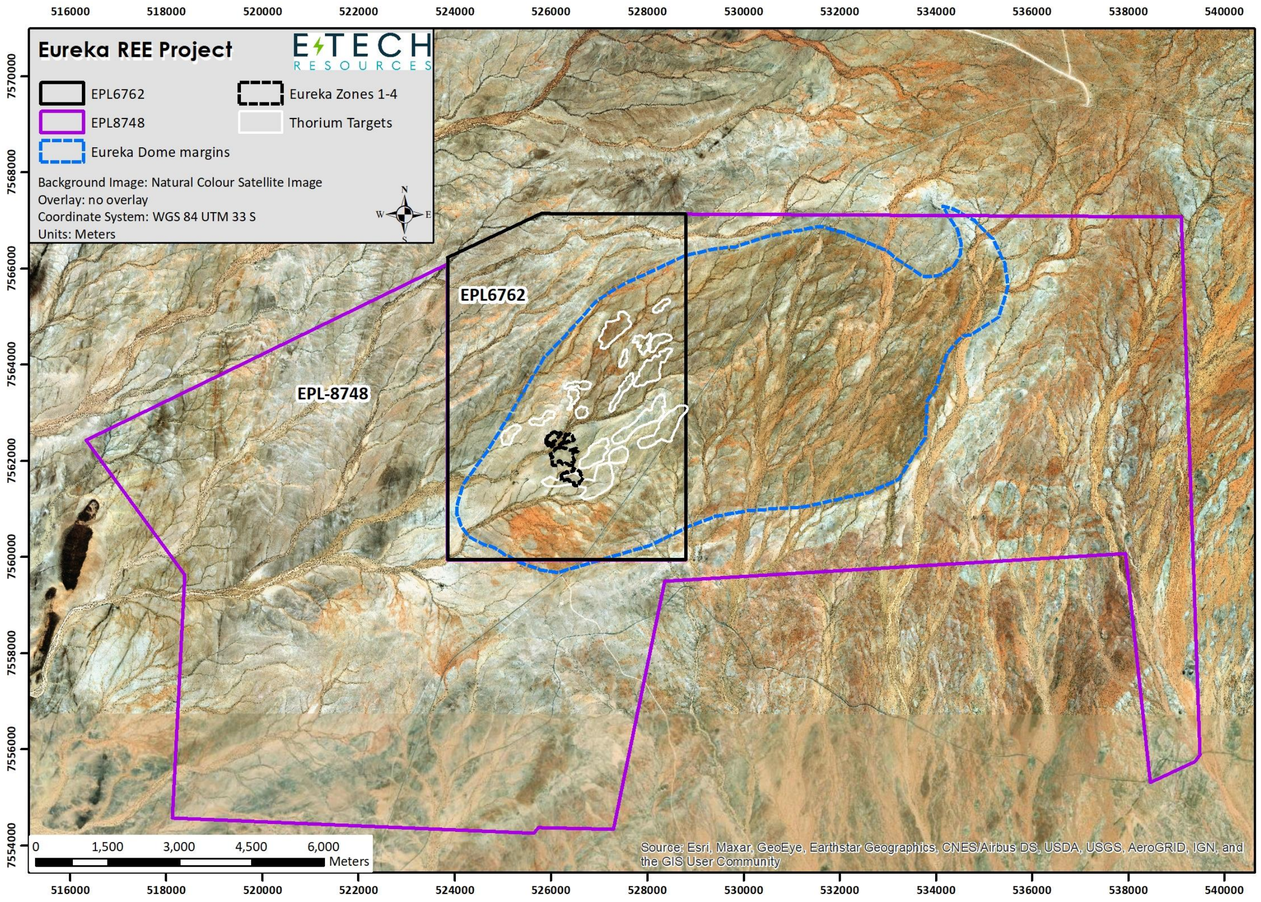
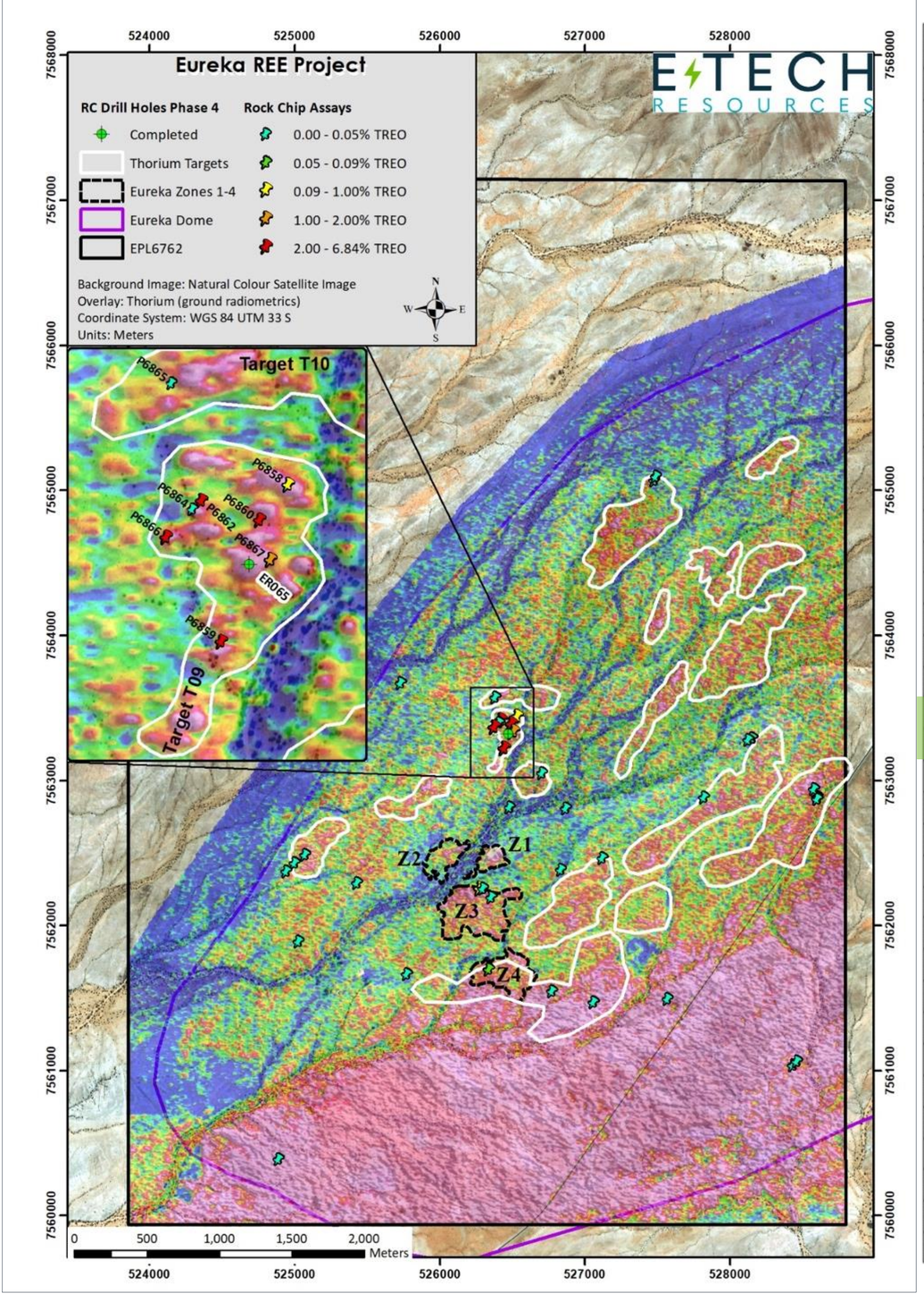




Sample ID	Easting	Northing	Lithology	Sample Type	TREO%
P6801	525425	7562295	ALTR	Rock Chip	0.04
P6802	524993	7562432	CARB	Rock Chip	0.01
P6803	524937	7562375	ALTR	Rock Chip	0.01
P6804	525021	7561892	ALTR	Rock Chip	0.03
P6805	525067	7562488	CCARB	Rock Chip	0.02
P6806	527052	7561472	CCARB	Rock Chip	0.05
P6807	527814	7562885	VCARB	Rock Chip	0.01
P6808	527562	7561495	CCARB	Rock Chip	0.02
P6810	528427	7561038	CCARB	Rock Chip	0.02
P6811	528456	7561064	CCARB	Rock Chip	0.05
P6812	524884	7560393	ALTR	Rock Chip	0.00
P6813	526329	7561697	CARB	Rock Chip	0.07
P6814	525725	7563674	CARB	Rock Chip	0.02
P6815	526349	7562195	VCARB	Rock Chip	0.02
P6817	526270	7562248	CARB	Rock Chip	**0.27**
P6818	526290	7562256	VCARB	Rock Chip	0.02
P6819	526768	7561551	ALTR	Rock Chip	0.01
P6820	528595	7562889	CCARB	Rock Chip	0.02
P6822	528595	7562873	VCARB	Rock Chip	0.02
P6858	526523	7563433	CCARB	Rock Chip	**0.48**
P6859	526437	7563218	CCARB	Rock Chip	**5.22**
P6860	526486	7563384	CCARB	Rock Chip	**6.84**
P6862	526412	7563411	CCARB	Rock Chip	**2.68**
P6864	526401	7563401	ALTR	Rock Chip	0.05
P6865	526374	7563574	CCARB	Rock Chip	0.02
P6866	526367	7563361	CCARB/GCARB	Rock Chip	**3.05**
P6867	526500	7563330	CCARB/GCARB	Rock Chip	**1.52**
P6868	527471	7565071	ALTR	Rock Chip	0.01
P6870	527484	7565097	VCARB	Rock Chip	0.01
P6871	527113	7562467	VCARB	Rock Chip	0.01
P6872	526863	7562809	AMPH	Rock Chip	0.02
P6873	526699	7563055	ALTR	Rock Chip	0.02
P6874	526475	7562819	CCARB	Rock Chip	0.03
P6876	528574	7562944	VCARB	Rock Chip	0.02
P6827	525768	7561668	CCARB	Rock Chip	0.01
P6828	528144	7563295	ALTR	Rock Chip	0.00
P6829	528118	7563282	MBL	Rock Chip	0.01
P6842	526829	7562388	CCARB	Rock Chip	0.01

13 April 2023

NR: E-TECH E-Tech Resources Inc. Announces High-Grade Rare Earth Results From Ongoing Prospecting Program on Eureka REE Project

ESG Protocol

COMMITTED TO HIGHEST STANDARDS OF ENVIRONMENTAL, SOCIAL & CORPORATE GOVERNANCE

- EIA by ASEC Namibia
- Follow board approved Corporate Codes, Policies, Charts, Guidelines
- Own Sustainability Advisory Board with ESG experts installed
- Adhere to relevant United Nations SDG
- Adhere to Project Readiness Standard (by project due diligence)
- Work with European REIA, as member of ESG Board
- Contribute to Lifecycle analysis (LCA)
- Ongoing environmental and social impact assessment

Health & Safety
- installing well defined HSSE policies and measures
- guaranteeing low emittance of radioactivity
- securing localised dust management measures

Community Support
- performing social studies and relief measures
- supporting of regional community and social services
- delivering regional industrial development potential

Best Practice & Transparency
- installing responsible company codes & policies
- securing high-standard ESG principles
- developing towards certification for sustainable practices

Value Chain Management
- selecting sustainable cooperation partners
- advocating stakeholder involvement
- securing long term business growth and value-add

Environmental Care
- auditing of Environmental & Social Impact analysis & measures
- performing hydrological test work
- development of Life Cycle Inventory and Assessment

Efficient Consumption
- guaranteeing responsible use of energy and water
- minimising consumption of chemicals
- providing potable & farming water as valuable side-products

Jobs & Education
- offering sustainable work contracts for the national population
- conducting training programmes and educational support
- sponsoring personal development programmes

Inclusiveness & Fairness
- enabling social inclusiveness
- offering fair work standards and compensation
- securing sustainable project and living standards

How is the project funded?

By 100% Equity Capital

Where are you listed?

We are dual listed: primarily on the TSX-V & co-listed on the Frankfurt Stock Exchange

Capital Structure

Issued & Outstanding	82,971,530
Options	2,860,000
Warrants	1,400,000

Market Capitalization

Share Price	C$ 0.06
Market Cap	C$ 4,978,292
Cash	~C$ 727,000

As at 31 Dec 2022

COMPANY DETAILS

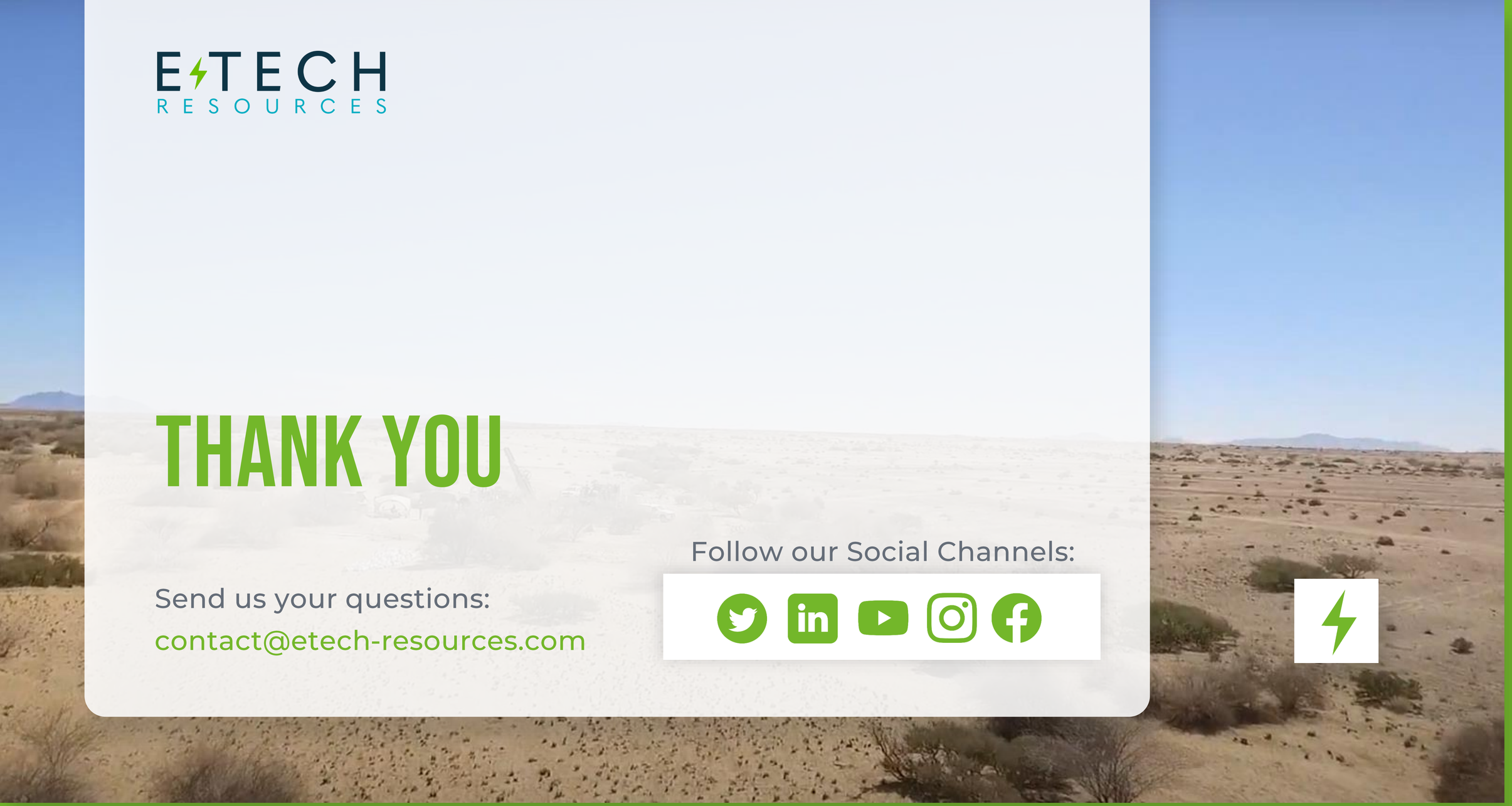
Financials

TSXV: REE | FSE: K2i

THANK YOU

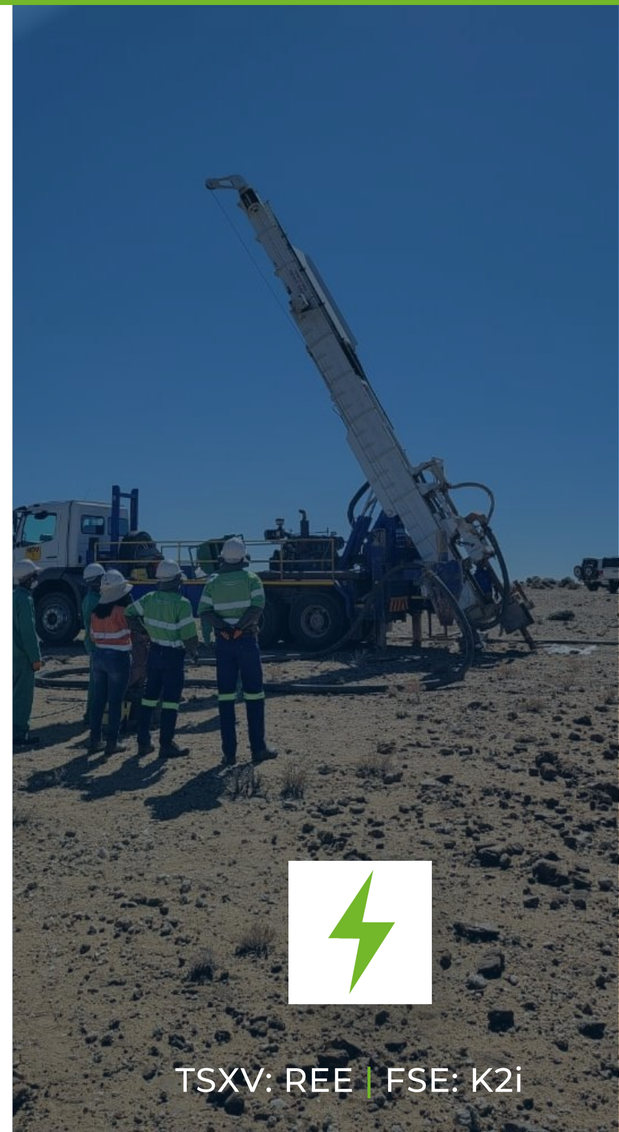
Send us your questions:
contact@etech-resources.com

Follow our Social Channels:



E-TECH RESOURCES

Appendix



INTRODUCTION

WHY NEODYMIUM?

01 Neodymium (Nd) is used to make high strength & high-performance neodymium magnets

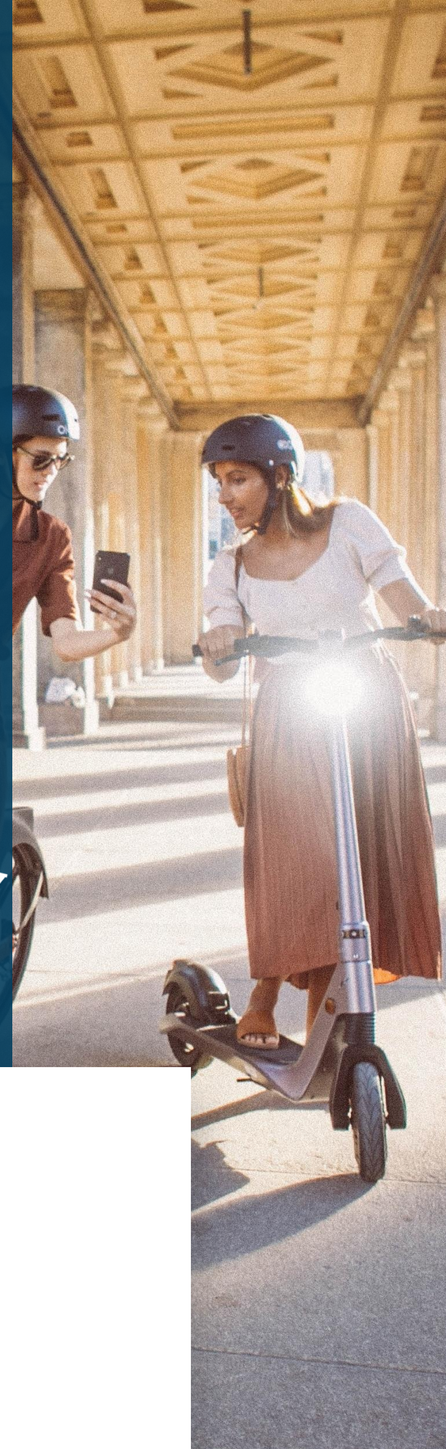
02 Smart solutions to clean energy sourcing, and efficient power transmission, will be key to our future interconnectivity.

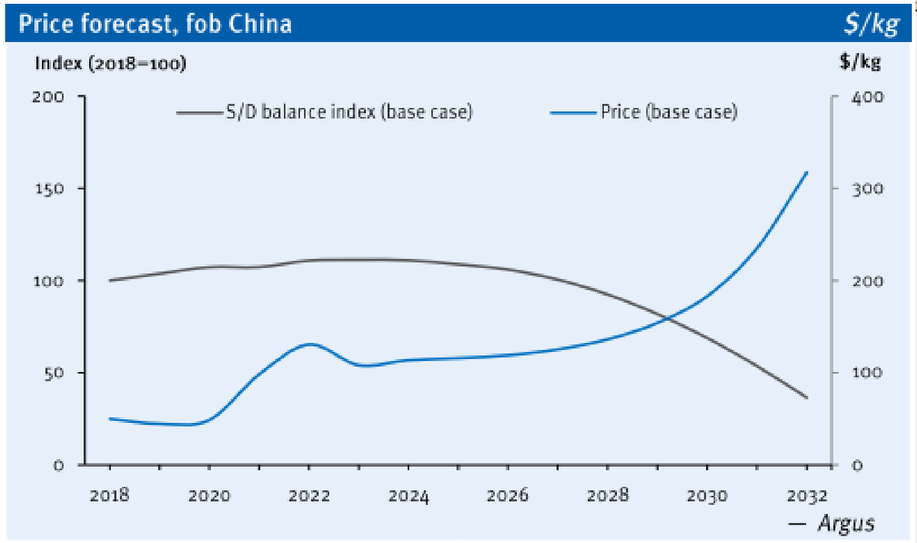
03 High-performance materials are essential for reliable e-mobility and renewable energy generation.

04 Nd is a key rare earth element (along with Praseodymium) to the high-growth, hi-tech markets that support a circular economy.

High-Strength Neodymium Magnets (NdFeB) are used in:

- Electric Vehicles (Full electric and hybrids)
- Wind Turbine generators
- Consumer Electronics
- Speakers
- Defence sector
- Conventional ICE Vehicles
- Other E Mobility
- Air Conditioning





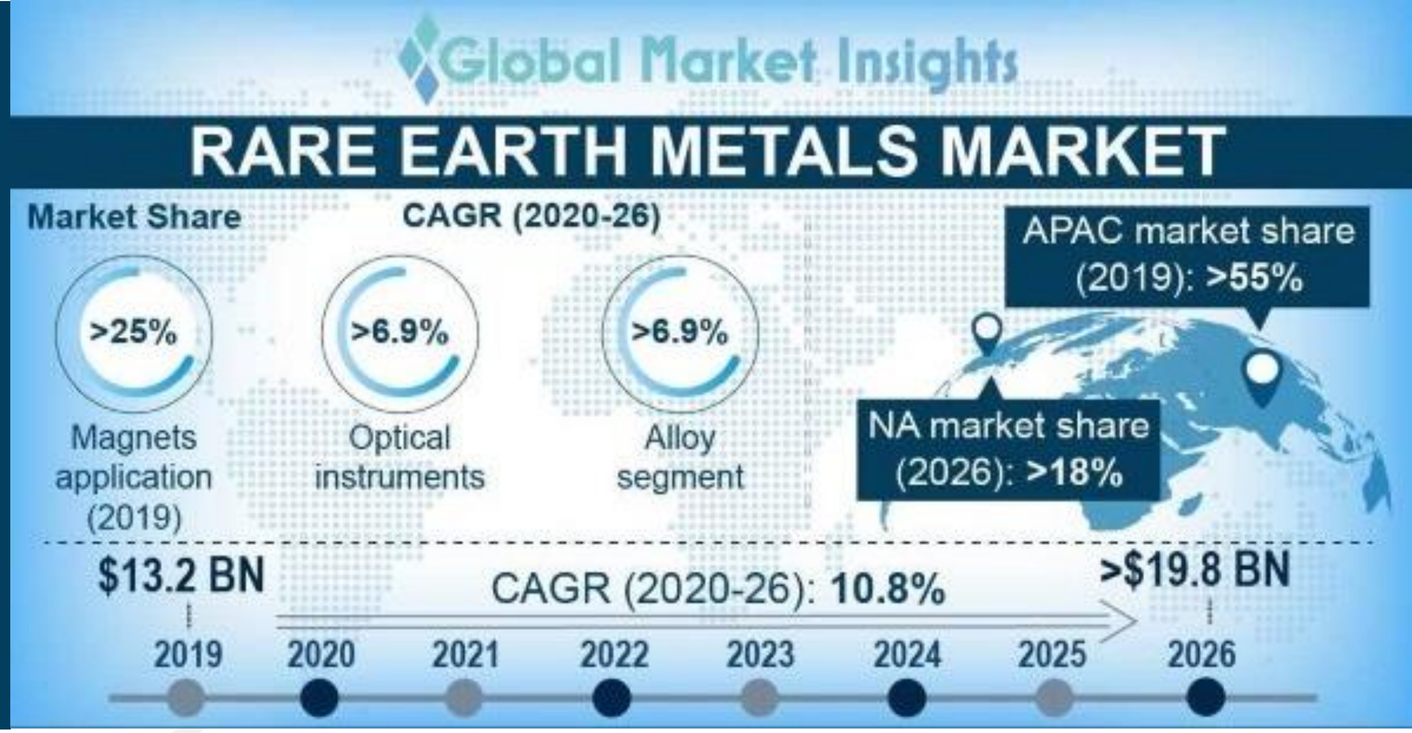
Nd & Pr

Price Forecast

The REE magnet materials Nd and Pr have experienced more than 150% price increase over the last 2 years.

1. Anticipated deficit for REE magnet supply
2. Expected deficit of REE magnet material supply
3. Monopolistic & opaque supply from China
4. High dependency on import from China
5. Increasing domestic demand in China
6. Complex and disruptable supply chains
7. Underinvestment in ex-China value chains
8. Opaque ESG compliance in China – manufacturers increasingly keen to track ethical sources of raw materials

REE Energy Metals Market Value



REE METALS MARKET

$20b

Nearly doubling in the next 5 years

REE MAGNET DEMAND

+50%

Demand increase in the next 5 years

The drivers are found in the strong demand ramp-up for

ELECTRICAL EV MOTORS
&
WIND TURBINES

GLOBAL REE METAL & MAGNET SUPPLY

+80%

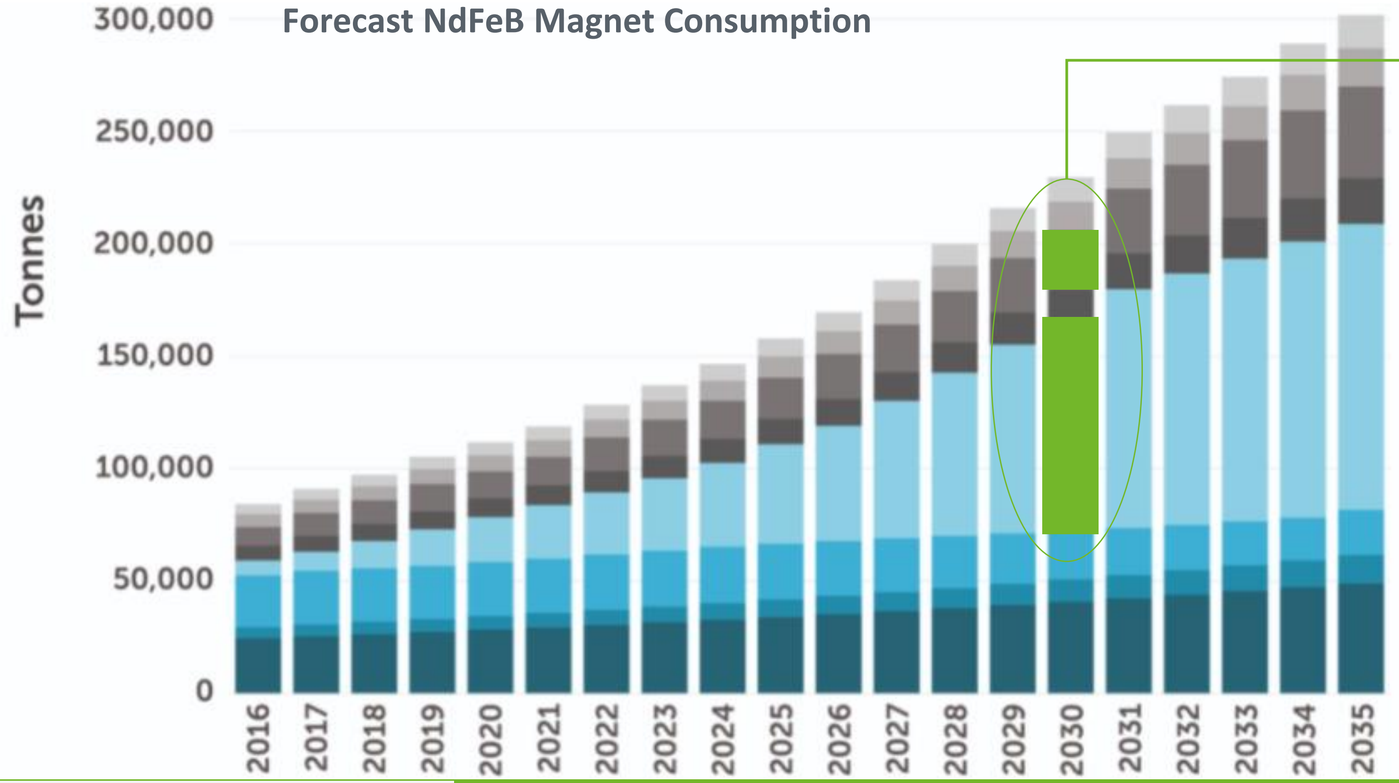
Will still come from China

GLOBAL REE ORE MINING & PROCESSING

+60%

Will remain to originate from China

https://www.gminsights.com/industry-analysis/rare-earth-metals-market



2030

120,000 T/Y

Projected demand of NdFeB for EV & Wind Turbines alone

EQUALS

60,000 T/Y

NdPr Oxide

(@ 0.5kg NdPr Oxide / 1kg NdFeB metal)

EQUALS

300,000 T/Y

TREO

(@ 20% NdPr Oxide)

EQUALS

100X

Cracking Plants Units

(@ 3000 t/y TREO, as in development by SRC, Canada)

EQUALS

6,000

PMSG Wind Turbine Units

(@ 5t NdPr Oxide / 16 MW PMSG unit)

+

30M

BEVs

(@ 1kg NdPr Oxide / 131 kW BEV motor)

- Consumer Electronics
- Speakers
- Conventional Vehicles
- HEV, PHEV, EV
- Other E Mobility
- Other
- Wind Turbines
- Air Conditioning

'Other' includes MRI, elevator motor, magnetic separator, robotics and industrial applications.

Forecast

NdPr MAGNETS & APPLICATIONS

2030 Market Needs.

NdFeB – High-strength Neodymium Magnets
EV – Electric Vehicle | BEV – Battery Electric Vehicle | PHEV - Plug-in Hybrid Electric Vehicle
NdPr – Neodymium Praseodymium
TREO – Total Rare Earth Oxide
PMSG – Permanent Magnet Synchronous Generator

https://www.arultd.com/products/supply-and-demand.html#images

NdPr OXIDE

2030 Market Imbalance.

GLOBAL DEFICIT

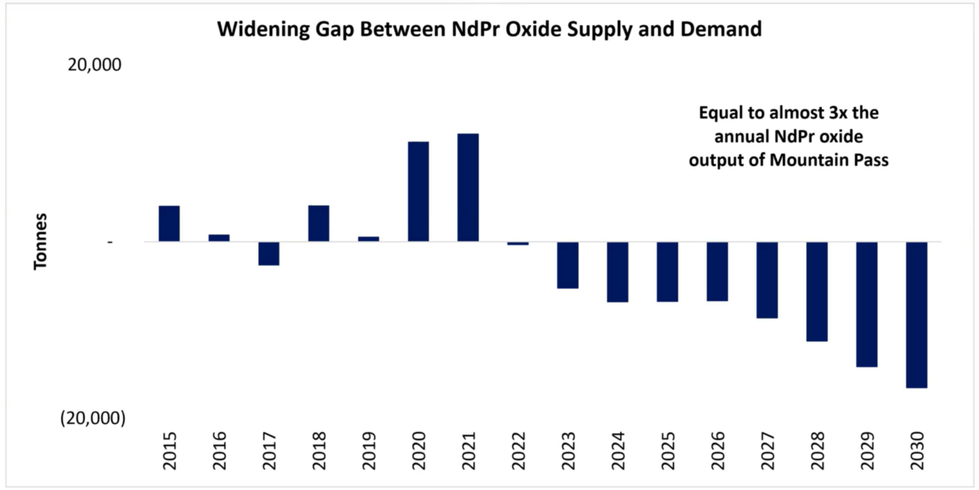
50,000 T

NdFeB PM material by **2030**

EQUALS

25,000 T

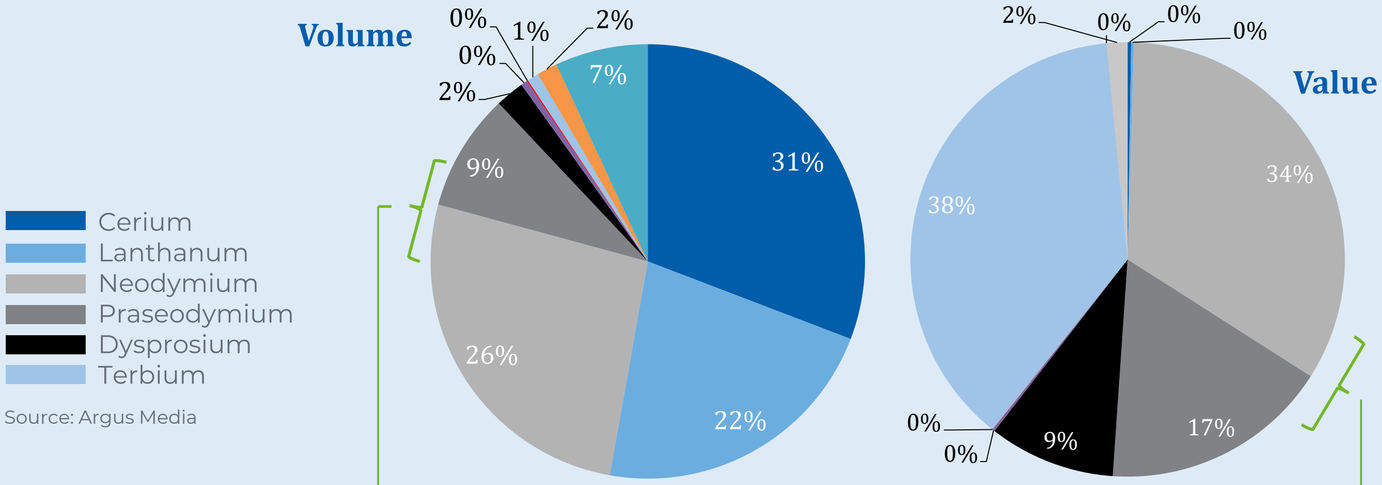
NdPr Oxide (from new mining capacity)



* Supply = Production + Inventories

Source: Adamas Intelligence

Rare earth oxide demand by element (volume & value), 2030



Source: Argus Media

Natural, Geological TREO supply basket entails up to

25%

of Nd and Pr Origin

Global Demand in 2030

>35%

of TREO demand basket to be from Nd & Pr sources by 2030

TREO Value Basket

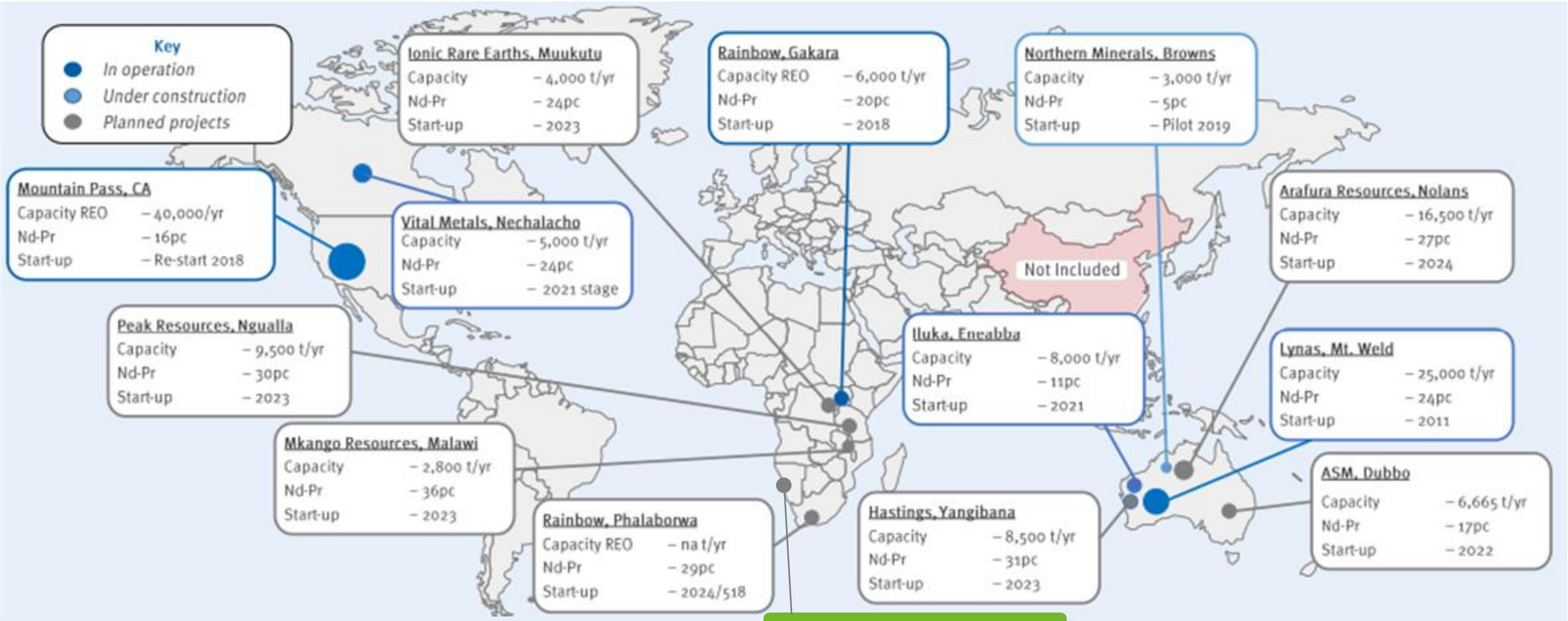
>50%

will stem from Nd and Pr compounds

(due to the demand for NdFeB PM for electrification & de-carbonization)

Demand growth with expected supply deficit & geopolitical concerns = high price = high value of NdPr

Global TREO Pipeline



… And why does Eureka have many competitive advantages?

Source: Argus Media

Rare Earth	Mining	Processing	Cracking	Separation	Refining	Alloying	Manufacturing
	Ore	Concentrate	Intermediate	Oxide	Metal	Alloy	NdPr Magnets

Gold	Mining	Processing	Winning	Refining	Manufacturing
	Ore	Concentrate	Dore	Metal	Products

Copper	Mining	Processing	Refining	Fabrication
	Ore	Concentrate	Metal	Pre-fab Wire & Tube Format Copper

Iron Ore	Mining	Smelting	Steelmaking
	Ore	Pig Iron	Steel

https://muieen.medium.com/supply-chain-of-rare-earth-elements-65909f8218a6

OPPORTUNITIES IN THE

Value Add Steps.

I

Compared to other Raw Minerals

The REE processing chain is quite complex.

II

REE Value Add Levels

REE processing chain levels are not very transparent and not geographically de-risked

III

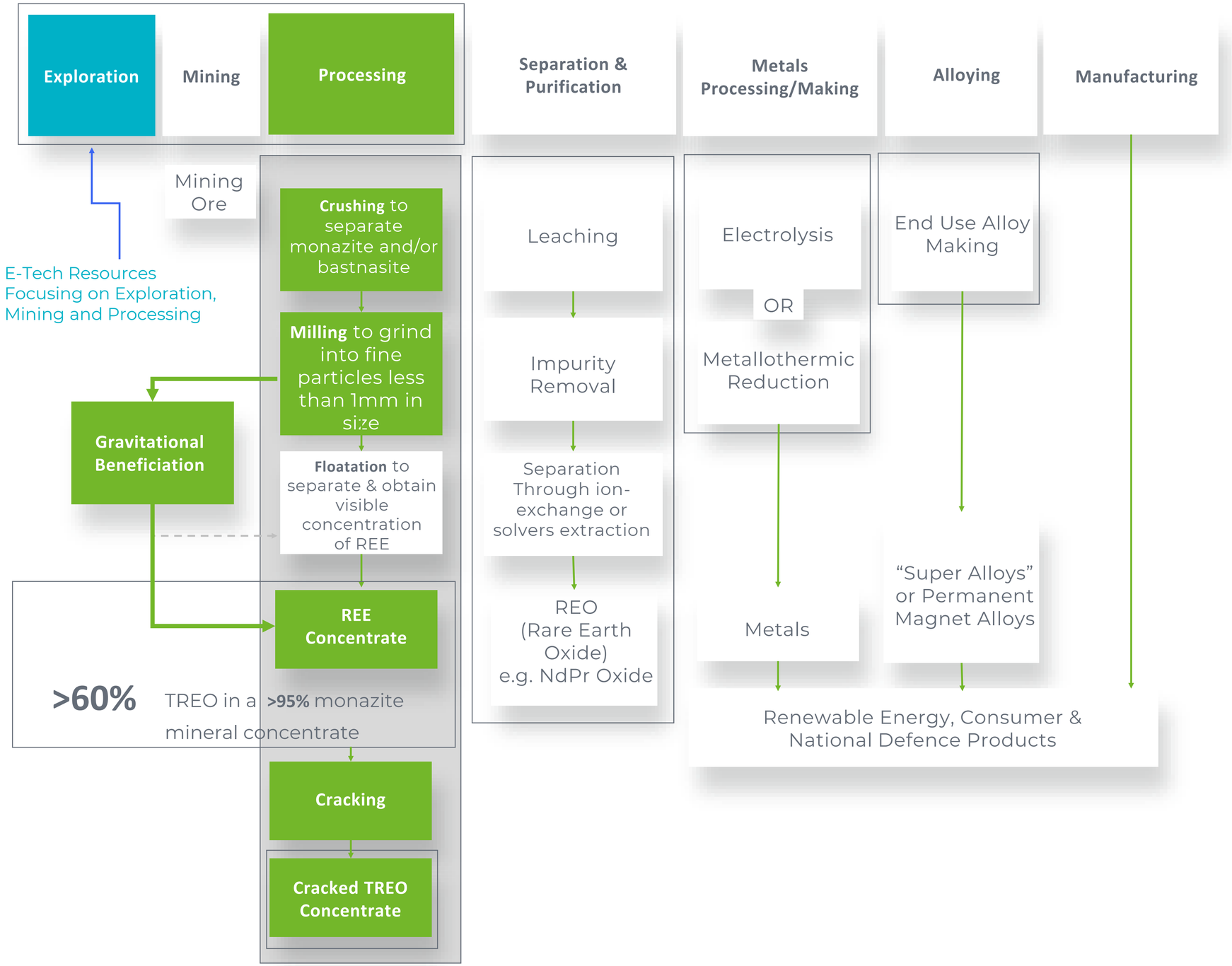
Opportunities

This can offer upside opportunities for early investors and traders.

THE EUREKA

Value Chain

Simple processing stages (ore beneficiation), at **EUREKA**



https://netl.doe.gov/coal/rare-earth-elements/program-overview/background

EUREKA'S

SIMPLE ORE BENEFICIATION

Chemical-free beneficiation to meet the technical specifications of processors

AT EUREKA
OFF THE SHELF EQUIPMENT
BASED ON EARLY-STAGE BULK SAMPLING & BENCH-SCALE TESTING OF OUTCROP MATERIAL

NO XRAY SORTING

NO HARSH CHEMICALS

NO FLOTATION REQUIRED

>65% RECOVERY

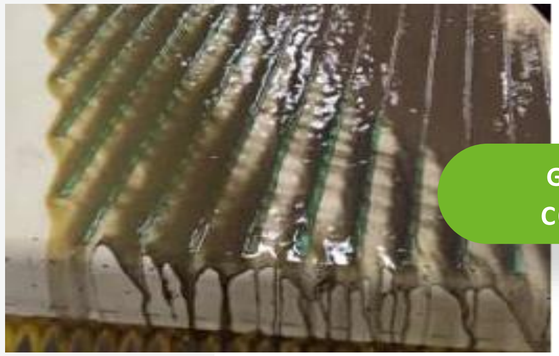
>60% TREO GRADE

OF >97% MONAZITE CONCENTRATE
after 1st pass using
Gravity & Magnetic Process

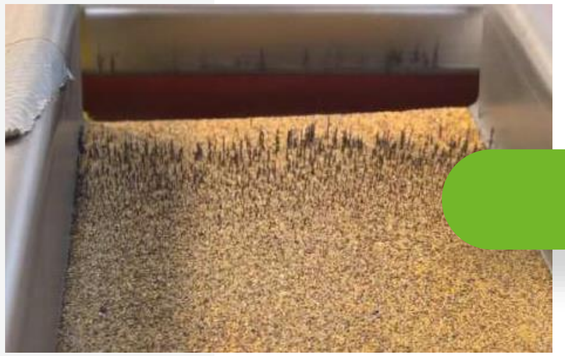
AMENABLE SHIPPING OF PRODUCT
Due to low radioactive levels

POTENTIAL LOW COST OF PRODUCTION RELATIVE TO COMPETITORS
As confirmed by SGS Mineral Services

MONAZITE IN HOST ROCK



GRAVITATIONAL CONCENTRATION

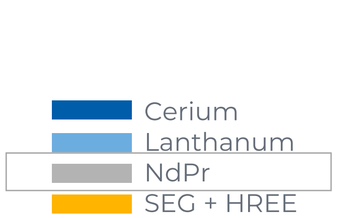


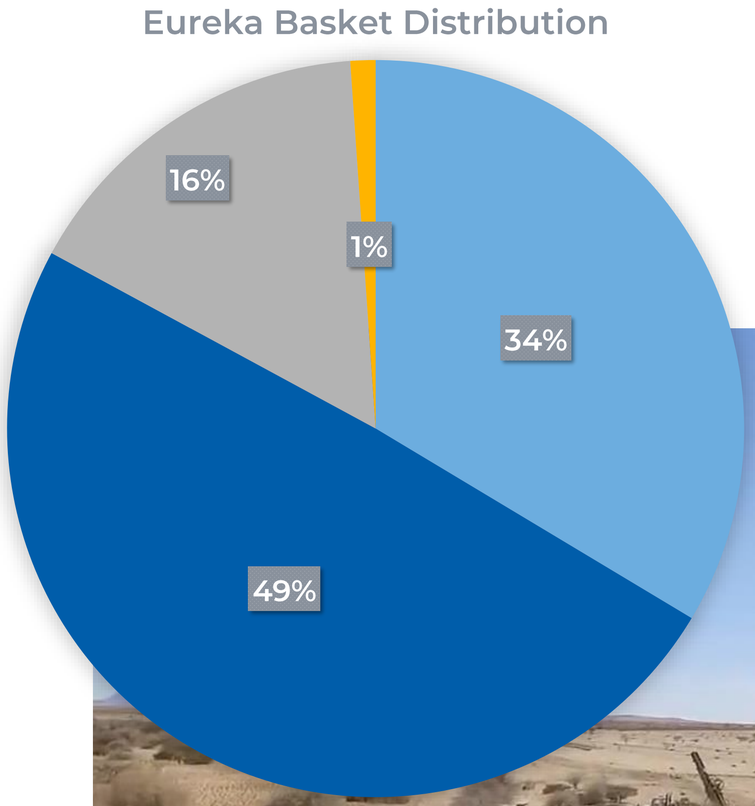
MAGNETIC SEPARATION

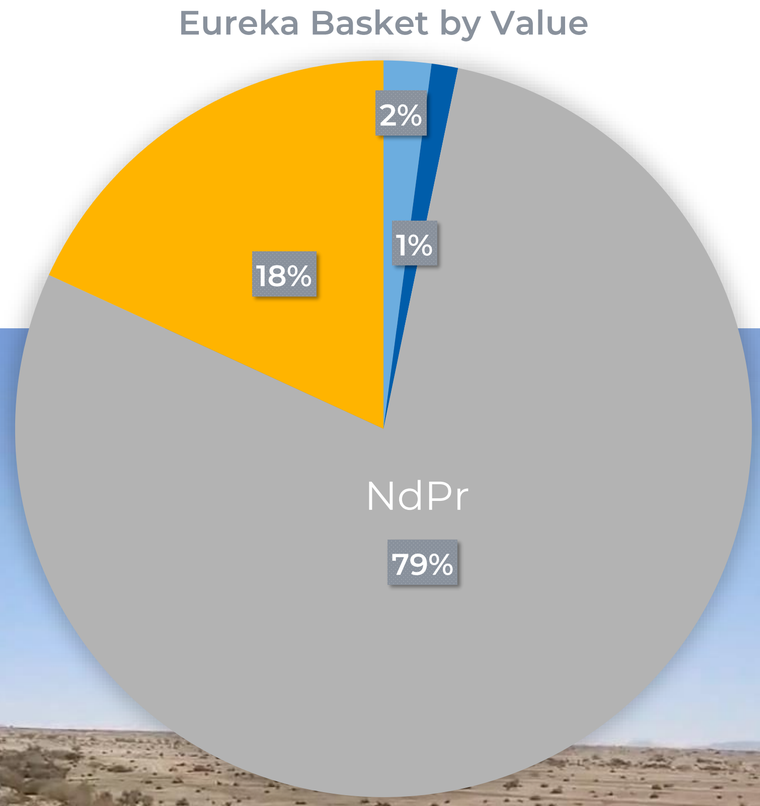
MONAZITE CONCENTRATE

EUREKA'S AVERAGE

BASKET DISTRIBUTION & BASKET BY VALUE







Notes:
NdPr - Neodymium & Praseodymium
SEG - Samarium, European & Gadolinium
HREE - Heavy Rare Earth Elements

TREO CONCENTRATION

Project Benchmarking.

Eureka has a low risk and high sustainability profile

- High grade deposit and accessible geology
- Easy ore and concentrate processability
- Mining-friendly jurisdiction
- Excellent infrastructure

=> Low-cost base and high IRR potential

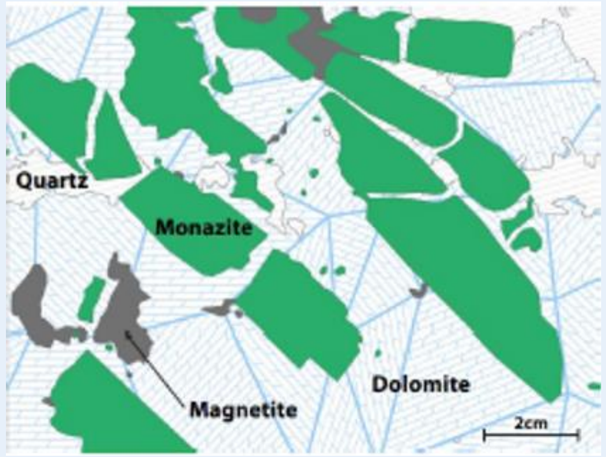
Advantageous ——— Disadvantageous

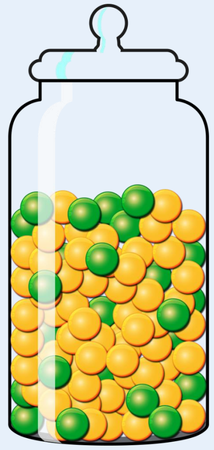
DEPOSIT	OPERATOR	PRODUCING YET?	DEPOSIT SIZE	PREDOMINANT MONO-MINERALIC REE ORE	GRAINSIZE OF TARGET ORE	EASE OF PROCESSING / RECOVERY	RADIO-ACTIVITY	ACCESS	COUNTRY RISK	COST OF PRODUCING
Mount Weld, Australia	Lynas			Monazite	Fine grain	Flotation				
Mountain Pass, USA	Shenghe Resources			Bastnasite monazite	Medium	Flotation				
Gakara, Burundi	Gakara, Burundi			Bastnasite monazite	Large	Physical only				
Eureka, Namibia	E-Tech Metals		Delineation required	Monazite	Large	Physical only				
Songwe, Malawi	Mkango Resources			Synchysite apatite	Fine grain	Flotation Un-optimised				
Steenkamps kraal, RSA	Steenkamps kraal			Monazite	Large	Flotation	~6 wt. % Th			
Ngualla, Tanzania	Peak Resources			Bastnasite monazite	Fine grain	Flotation				
Mineral Sand	Madagascar			Monazite	Fine grain, liberated	Physical only	~10 wt. % Th			

Information not complete for brevity

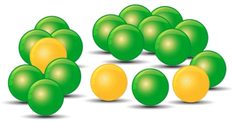
REE Project Beneficiation

Unweathered carbonatite (Eureka)





Coarse grained, simple assemblage

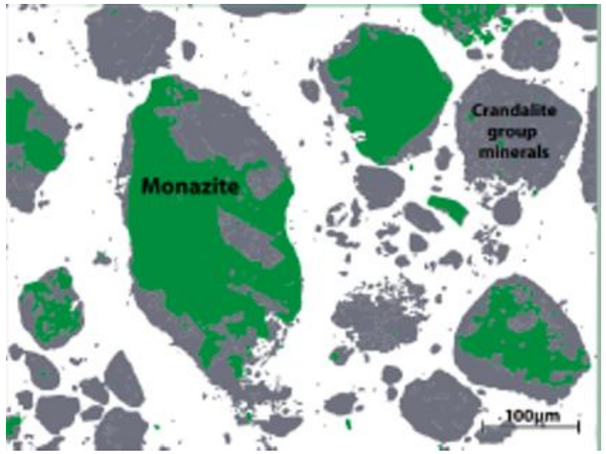


Eureka

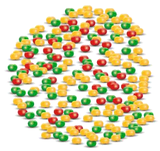
First Pass Recovery

Processing requirements are **simpler,** with **higher recovery** of green “sweeties”, with lower contamination (yellow sweeties).

Complex weathered carbonatite



Small grained, complex assemblage



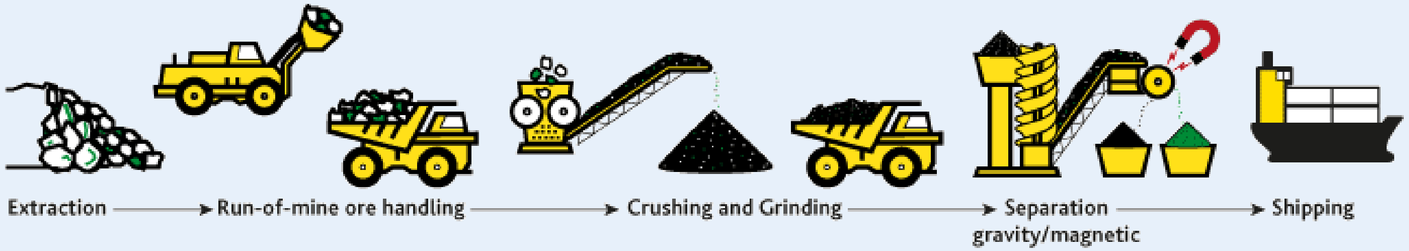
Complex Processing

Processing requirements are **more complex** due to smaller grain size. This results in lower recovery of green “sweeties” and a **less pure, more contaminated, REE mineral concentrate** product.

For illustration purposes only

REE Project Beneficiation

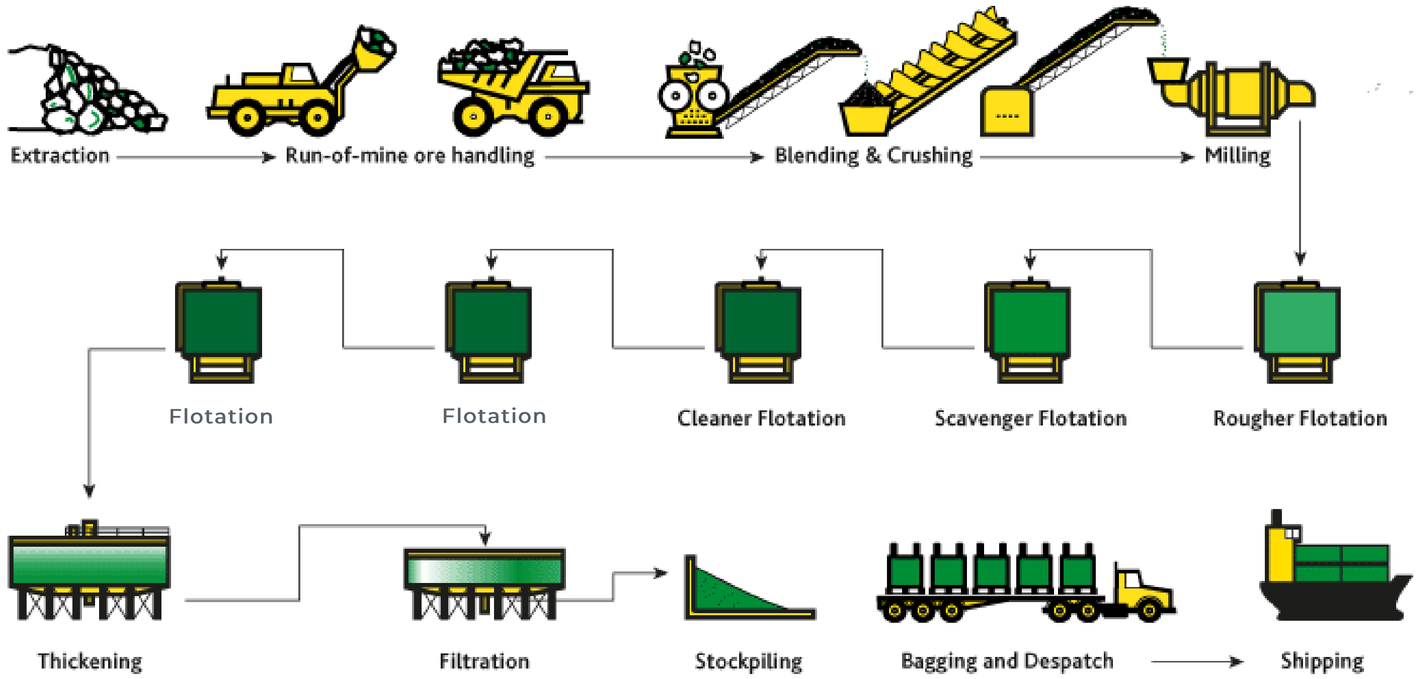
Low-cost $ Simple flow-sheet to mineral concentrate



Eureka High-grade

to mineral concentrate with
>65% TREO

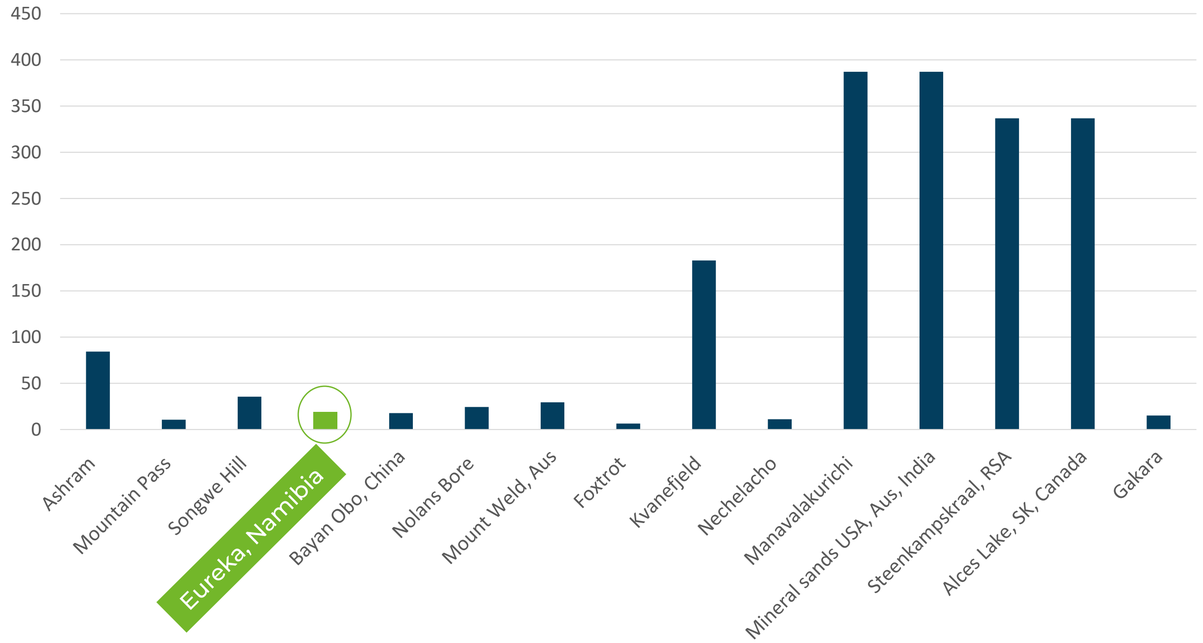
High-cost $$$ Complex flow-sheet to mineral concentrate



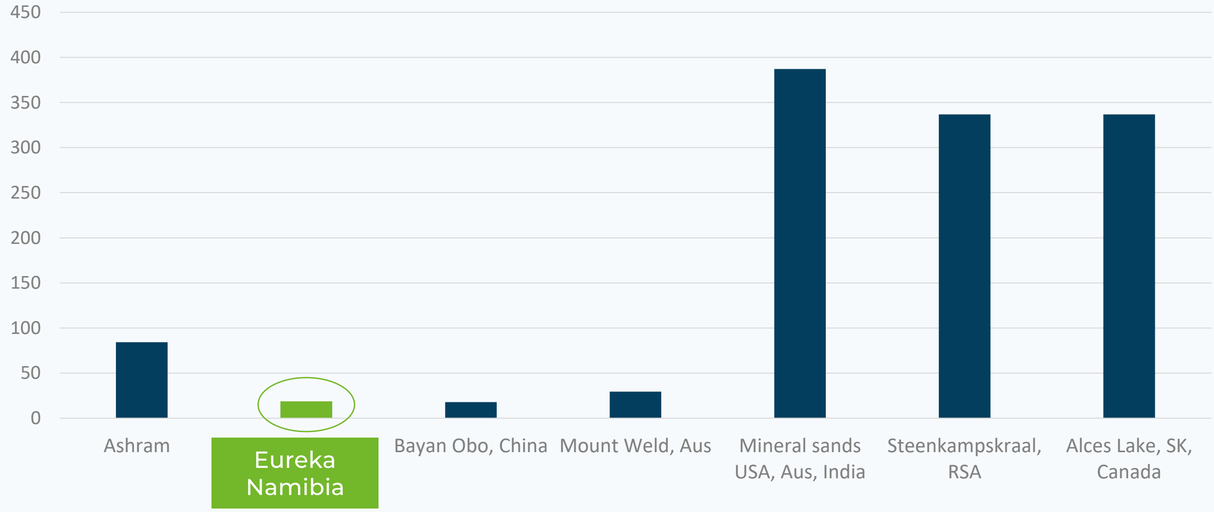
Other Projects Low-grade

to mineral concentrate with
~40% TREO

Radioactivity of REE ore mineral at deposit



Radioactivity of main REE ore at deposit
Each at empirical purity comparison



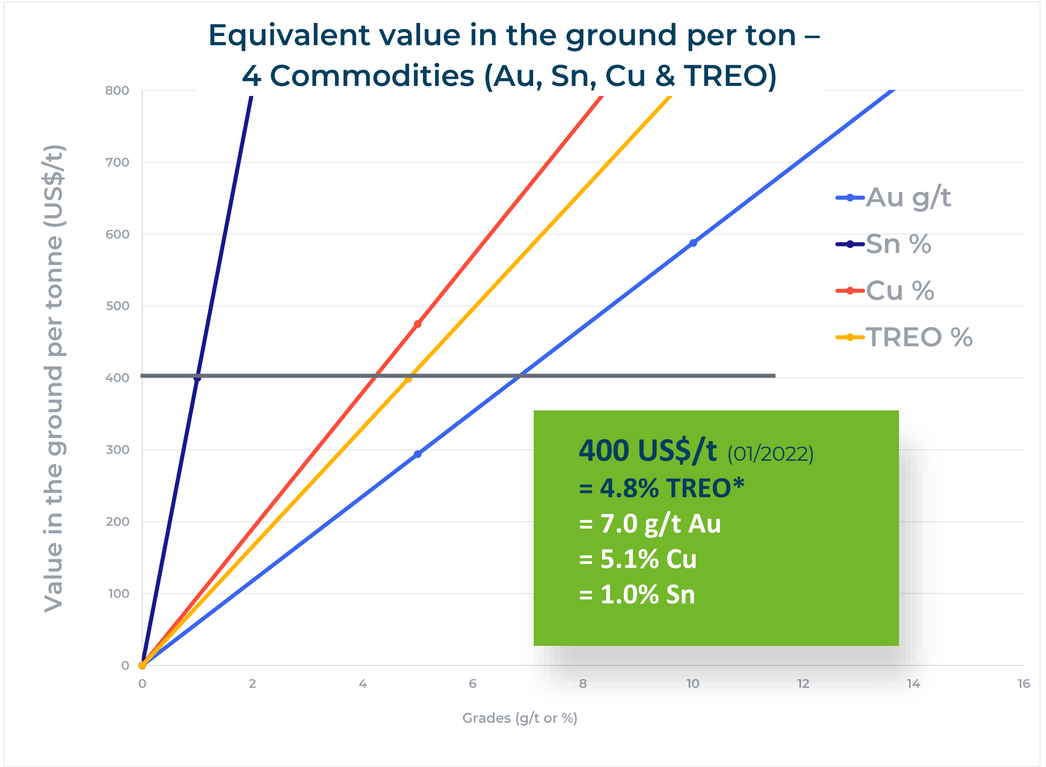
Radioactivity Specific Activity (Bq/g) monazites compared
Each at empirical purity comparison

Source: Published Technical Reports & Peer Revied Journals

In-Situ Basket Value

Eureka in-situ equivalent value

Sales Options	Description	Key Value Drivers	Potential	Risk	Customer	Plant required
Sell Mineral Concentrate (>65 TREO%)	All TREO incl. Th/U mixed in first marketable product	Fast Time-tp-Market, Low cost basis	Low-cost simple mechanical process, Th/U content remains in product	Small customer circle, high discount factor	Sell to Regional Competitors, toll-crack processors, traders or Chinese customers	Beneficiation plant



Value chain development can lead to Vertical M&A value add

*Based on an assumed monazite mineral price of 5,600US$/t @ 67% TREO Grade

* Respective commodities based on 14 Jan 2022 prices. Sources: Argus, LME

Value Sustainability

FACTORS FOR SUSTAINABLE PROJECT VALUE

FAVOURABLE
GEOGRAPHY, INFRASTRUCTURE & RESOURCE CHARACTERISTICS

EXCELLENT
TECHNICAL PROCESSING CONDITIONS & PRODUCTION STANDARDS

SUSTAINABLE
PROJECT CONDITIONS ARE ACTIVELY MANAGED

HIGHLY COMPETITIVE
MARKET POSITIONING & HIGH GROWTH MARKET DEVELOPMENT