

Developing Critical Resources for the Green Economy

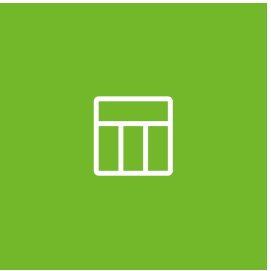
www.etech-resources.com



RARE EARTH ELEMENTS IN NAMIBIA

Company Presentation

NOVEMBER 2023 | DETAILED



TSXV: REE | FSE: K2i

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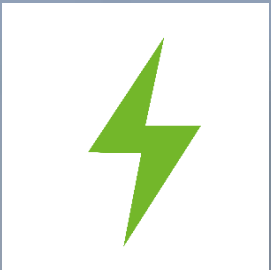
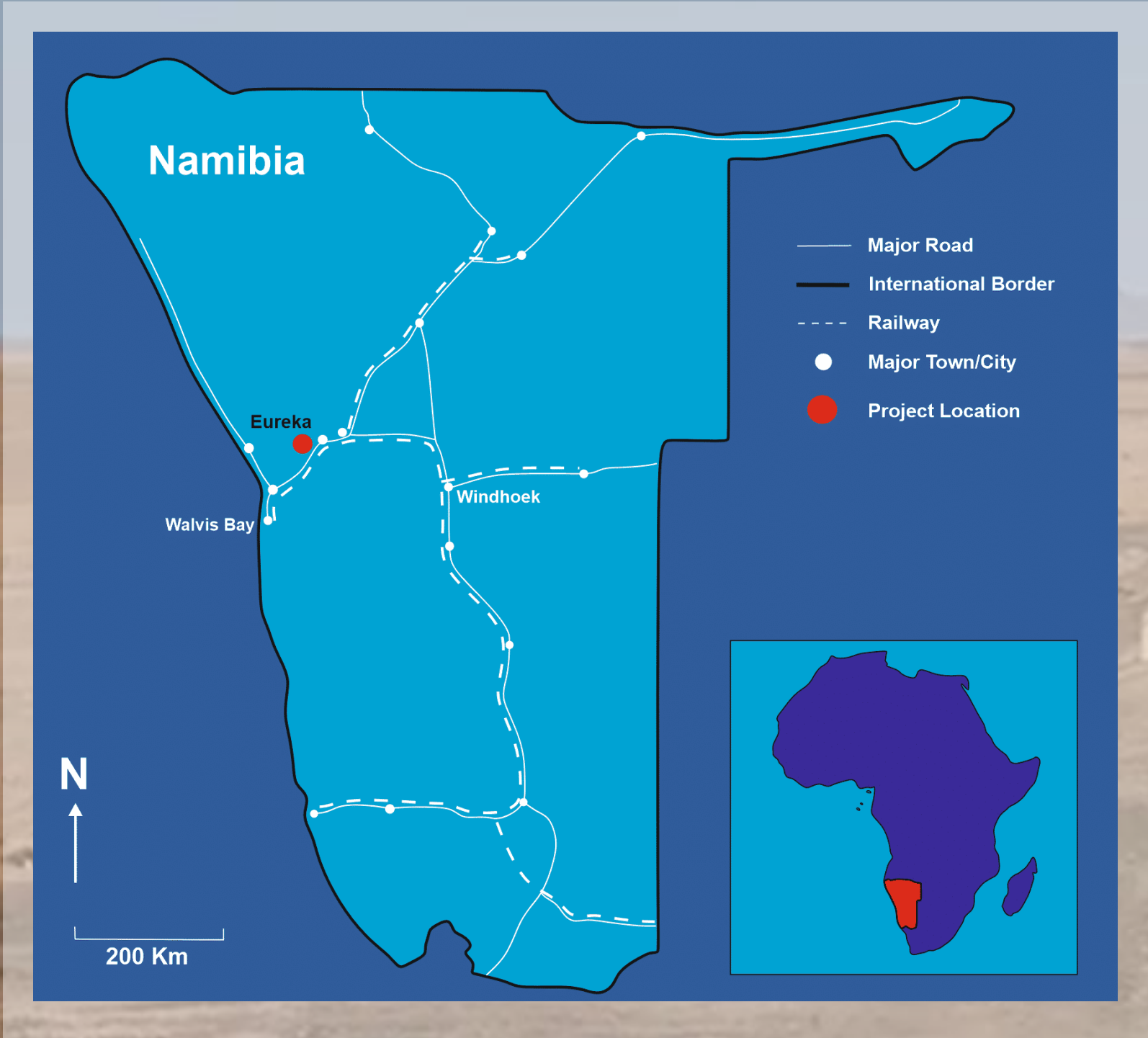
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Technical Disclaimer

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.

Eureka Rare Earth Element Project

- 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



140KM

TO WALVIS BAY CONTAINER PORT

Namibia's largest commercial port



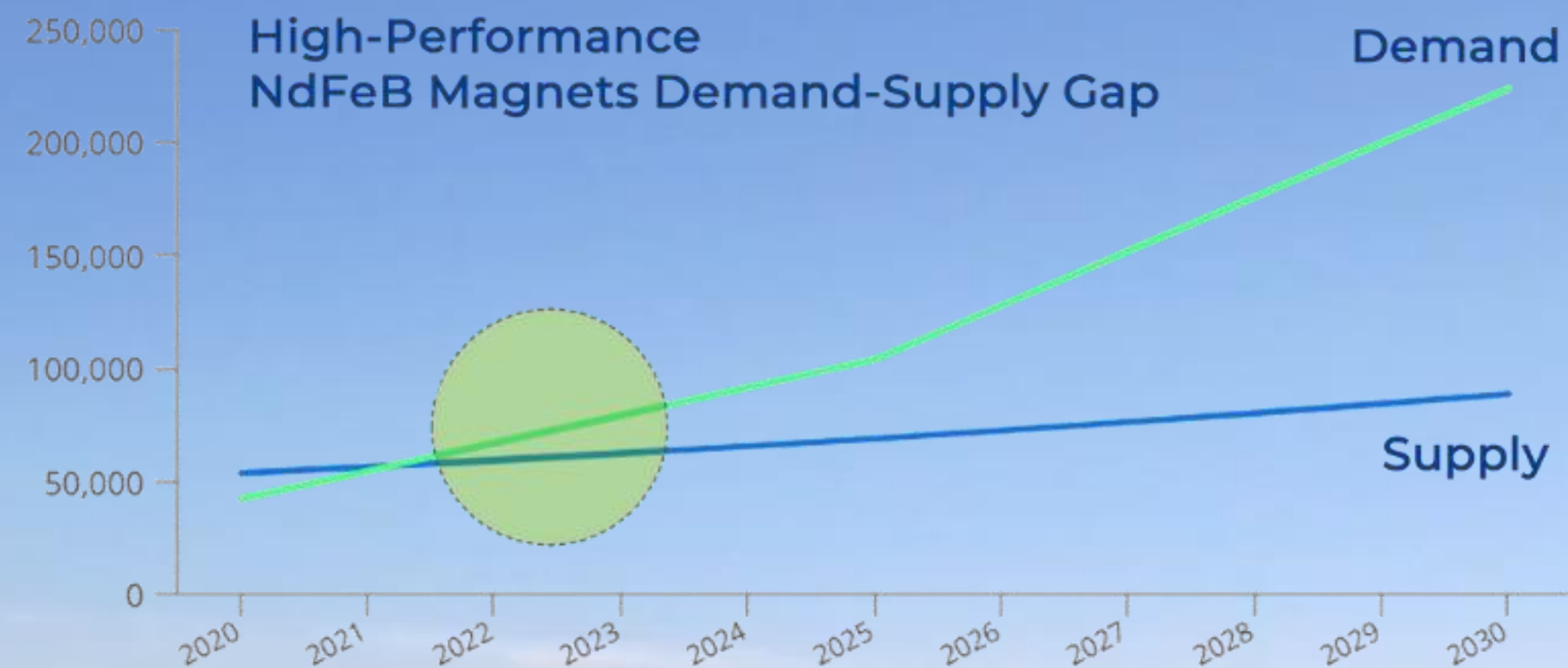
POWER

ACCESS TO ELECTRICITY



WATER

ACCESS TO WATER



Source: Argus Media 2022

Focus on
Critical Rare Earth Elements

Nd & Pr
Neodymium Praseodymium

Board & Management Team



TODD BURLINGAME
CEO | CANADA

Todd is a mining executive with 30+ years of resource development experienced including Canadian rare earth element projects. He has been successful in advancing large scale projects by innovation and ESG best practices.



ROB RANDALL
CFO | CANADA

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.



JIM MEGANN
CHAIR | CANADA

Jim is Managing Director of Numus Financial a Director of Torrent Capital, a publicly traded investment issuer; Director of OARO; and a Director of Sona Nanotech and brings extensive capital markets experience



KEN MARSHALL
DIRECTOR | CANADA

Extensive experience in the Information Technology and Telecommunications Sectors, having served in various positions at Rogers Communications throughout his career.



JOHN PHILPOTT
DIRECTOR | CANADA

Founder and CEO of CanAm Physician Recruiting Inc. CanAm has been the leading physician recruitment and placement company in the Canadian and international markets for more than two decades.



CHRIS DRYSDALE
DIRECTOR | NAMIBIA

Experienced professional with international experience in the mineral and exploration industry. Currently serves as CEO for Antler Gold Inc.



PROF FRANCES WALL
DIRECTOR | 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.

Experienced Leadership and Management

Exploration Team

- In-country team
- Local employees
- Environmental and HSE compliance



DENNIS BILLE
SENIOR GEOLOGIST



SENSIKUS ANGULA
GEOLOGIST



ERASTUS IIYAMBO
GEOLOGIST



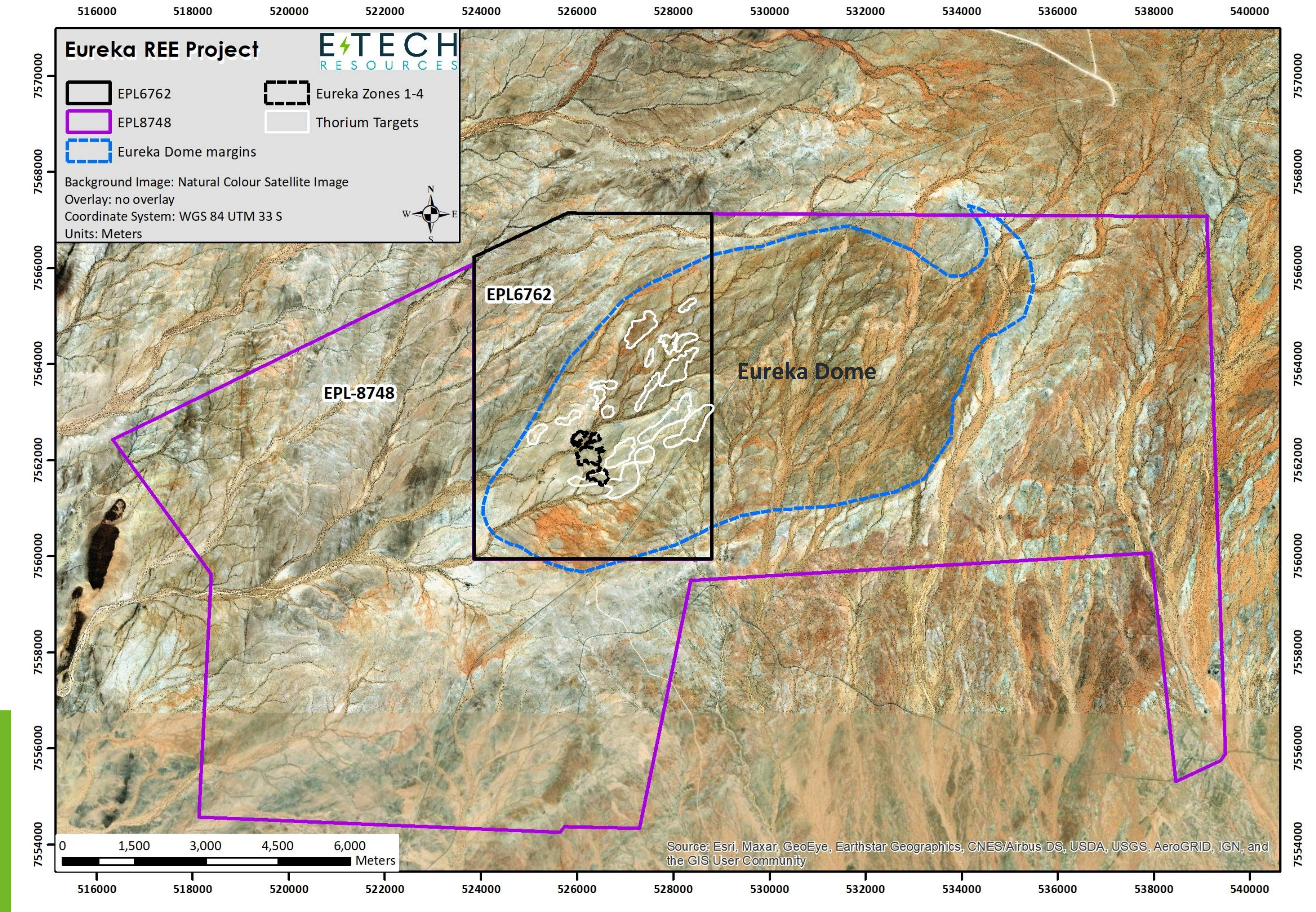
TUWILIKA NGHIPALENDJILA
JUNIOR GEOLOGIST



EPL 6762 & EPL 8748 New acquisition

- Increased land position by **>200%**
- Along strike of EPL 6762 mineralization
- Multiple strong geophysical signatures similar to EPL6762 discovery zones

Total area of "Eureka Dome" = **7,850** FIFA Football Fields
~56km²



EPL 6762

Original

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

Mar , 2023

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

EPL 8748

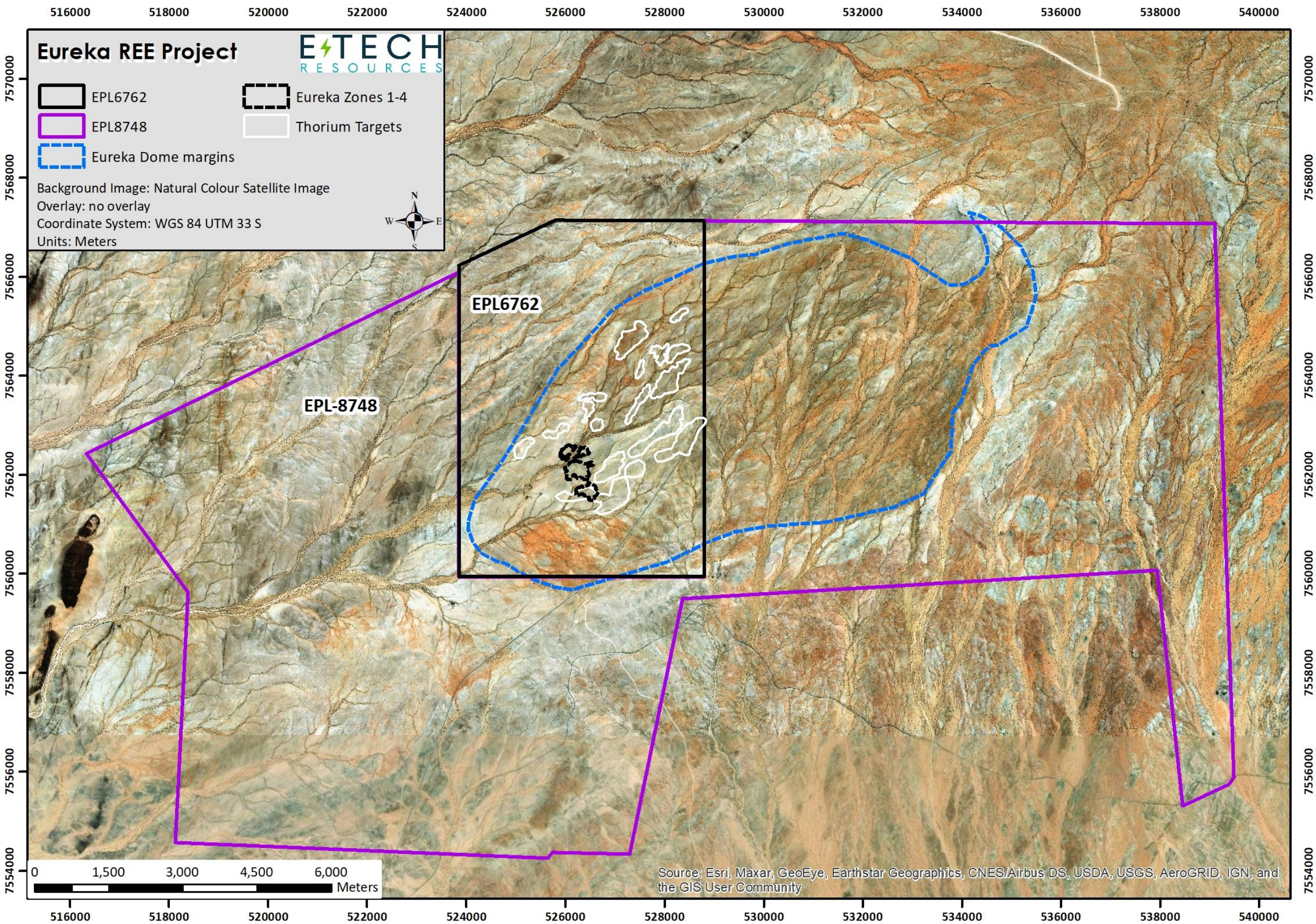
Newly
Acquired

Total Area of EPL 8748	Dome Area (~2/3)
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

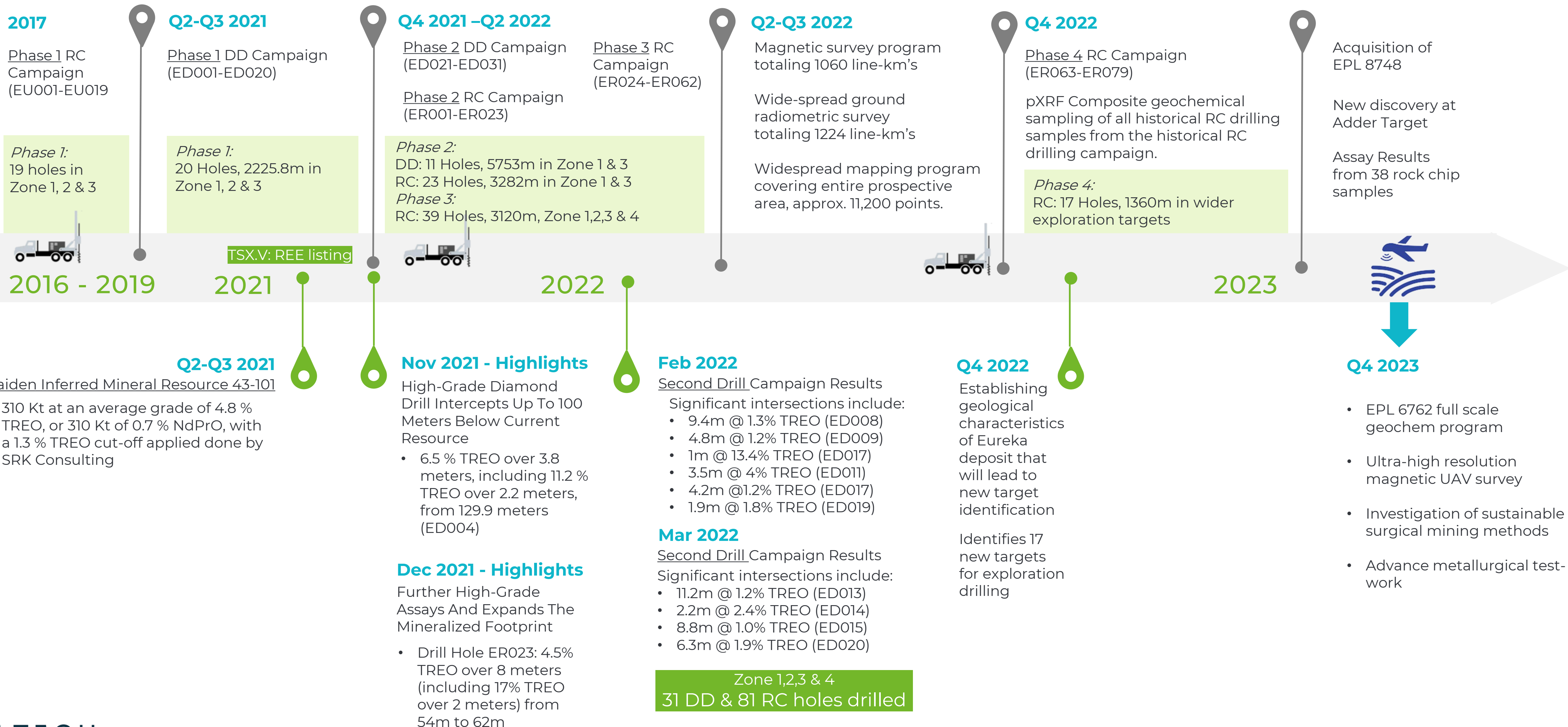
* Rounded to nearest 1 | ** Rounded to nearest 100



Exploration Activities

Legend:

DD – Diamond Drilling
RC – Reverse Circulation



The shift towards a **clean energy future** and the increasing demand for **critical minerals** require **innovative technologies** to find and extract these minerals **efficiently and responsibly**

FOUR PILLARS

- Pursuing four key areas
- Building on past success
- Underpinned by innovation, sustainability and value creation
- Bigger picture approach

01
EXPLORATION

02
RESOURCE

03
METALLURGY

04
SUSTAINABILITY



01 Exploration

NR: E-Tech Resources
Inc. Ramps up
Exploration Activities
and Engages Gecko
Namibia and Flightec
Namibia

16 October 2023

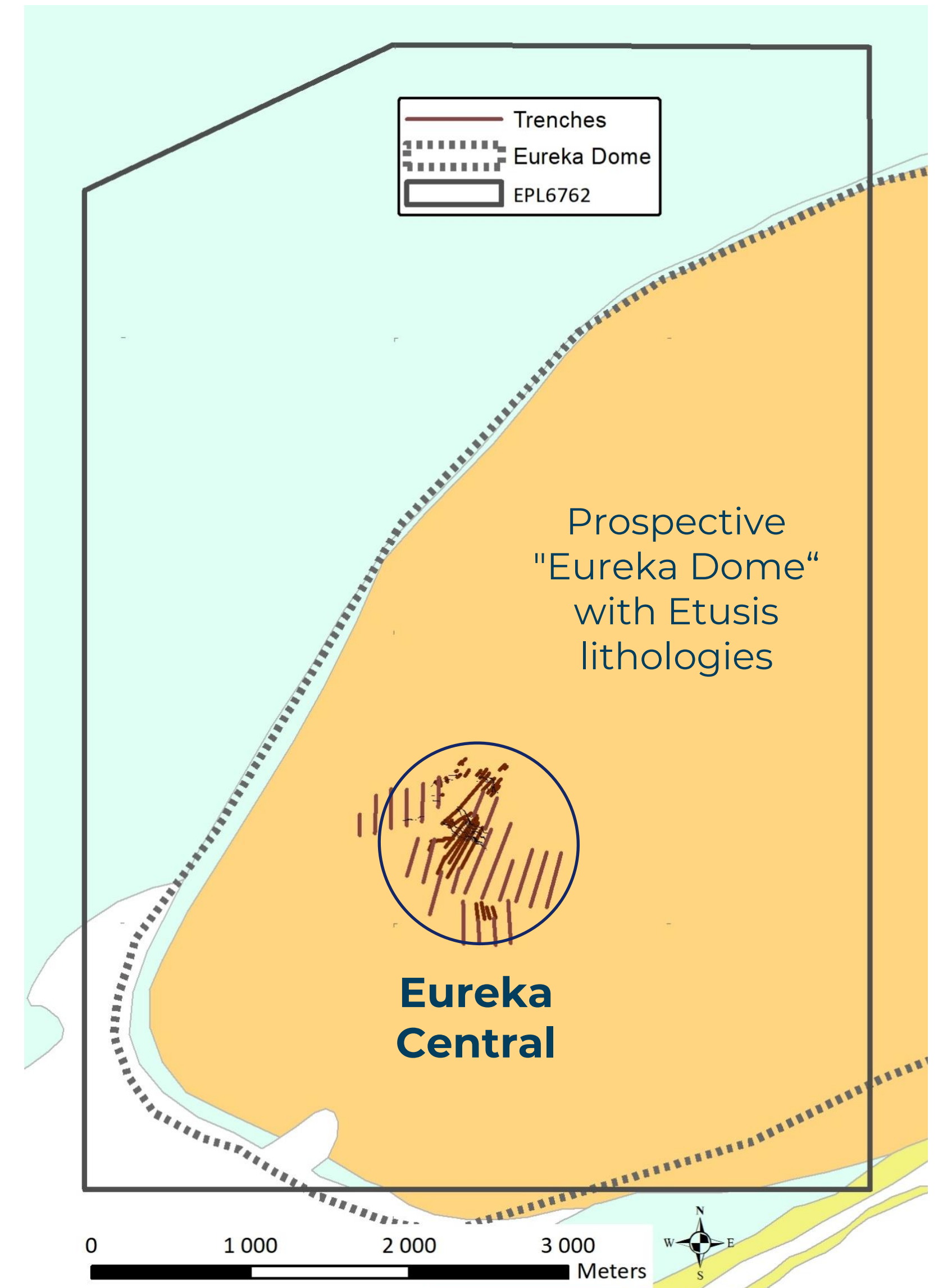
- Validation of concepts and exploration approach
- Engagement of Gecko Exploration: Highly experienced, efficient, proven track record in rare earth exploration
- Focus on economic mineralization and the bigger picture
- Outcome driven, operational safety and efficiency-lead
- Systematic soil survey programs
- State of the art technology: High-resolution UAV mag survey



01 Exploration

EUREKA DOME

- Exploration with trenching and drilling focused on Eureka Central surrounding the historic discovery outcrops
- Eureka Central hosts the 2021 Mineral Resource Estimate
- Mapping, geophysical and soil geochemical surveys revealed rare earth mineralization throughout the Eureka Dome (orange area) on EPL 6762

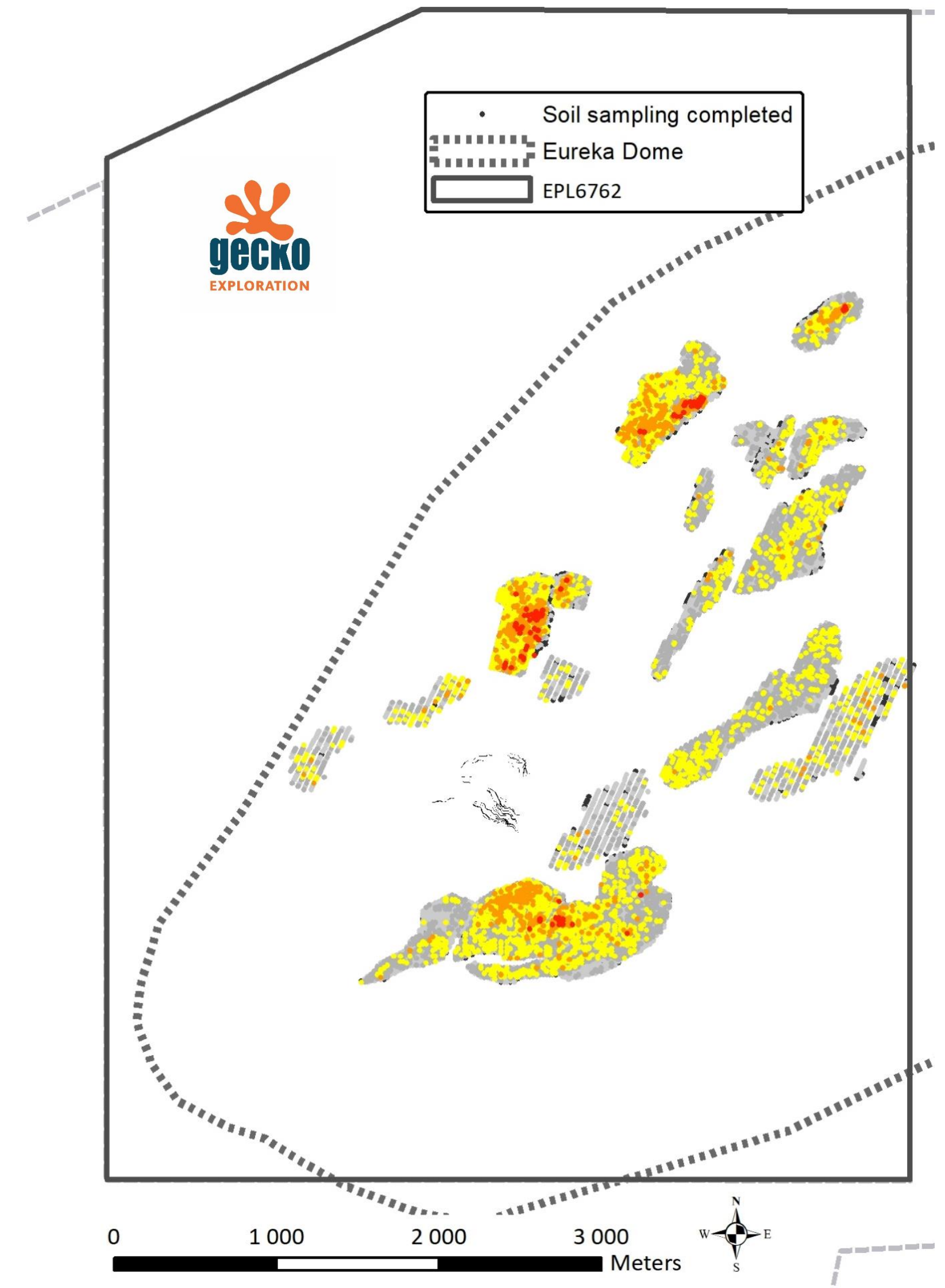


Simplified geological map with Eureka deposit on EPL 6762

01 Exploration

GEOCHEMICAL SOIL SURVEYS

- Initial targeting of similar scale occurrences
- High density soil sample surveys
- Focused on monazite "proxy mineral" anomalies (thorium and lanthanum)
- Several new targets have been identified



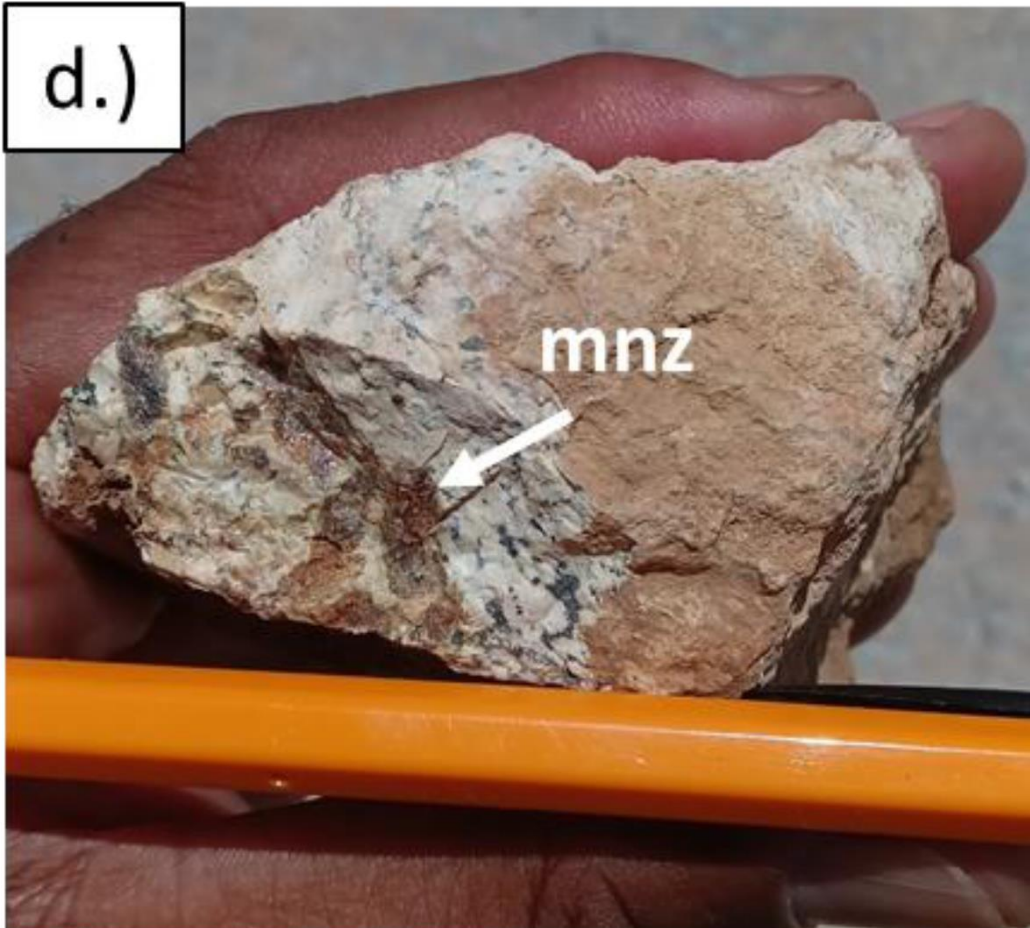
Lanthanum anomalies in soil

01 Exploration

SAMPLING WITH PXRF

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

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.



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.

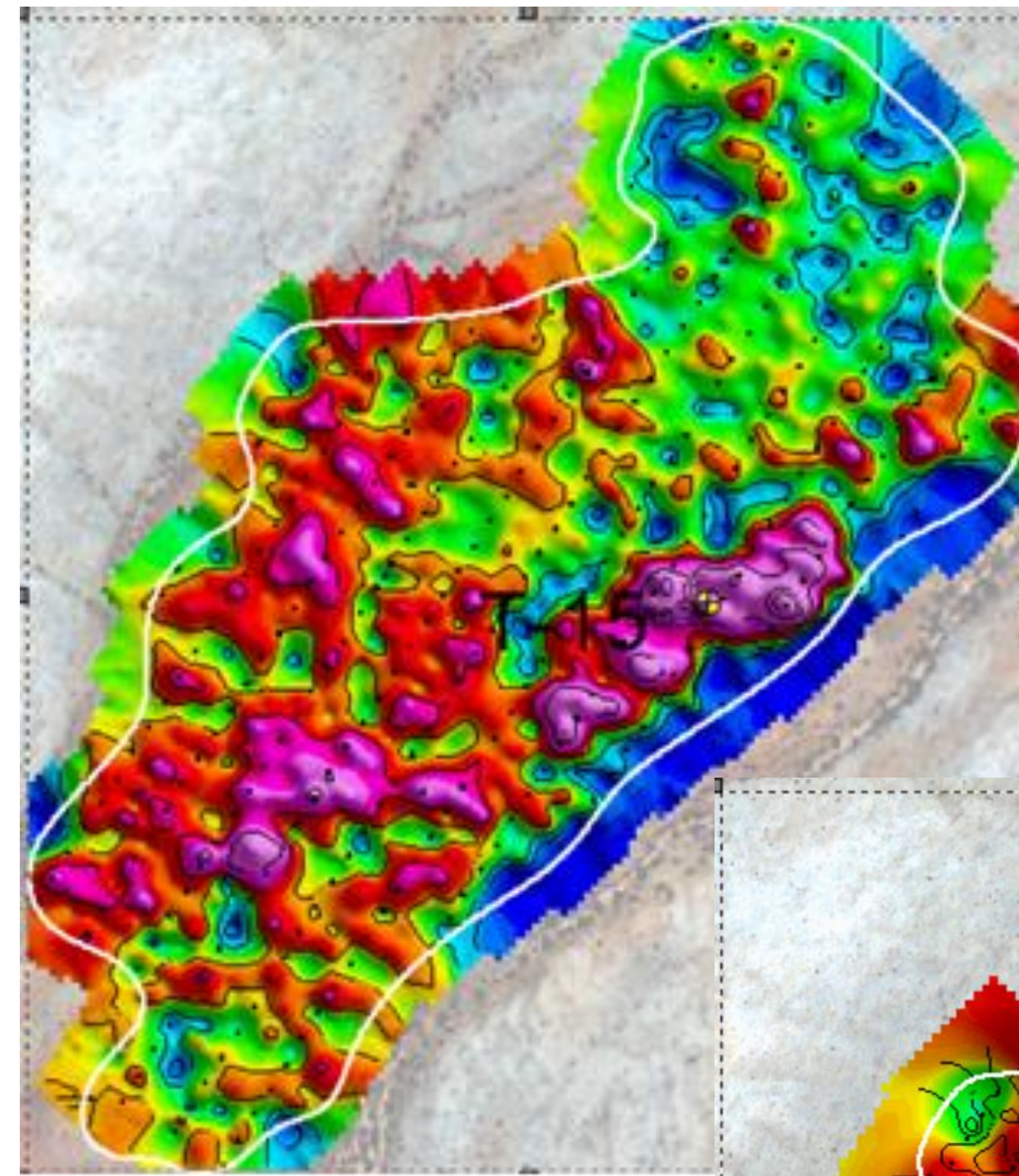


May 29, 2023
**NR: E-Tech Resources Inc.
Announces New Discovery at
Adder Target**

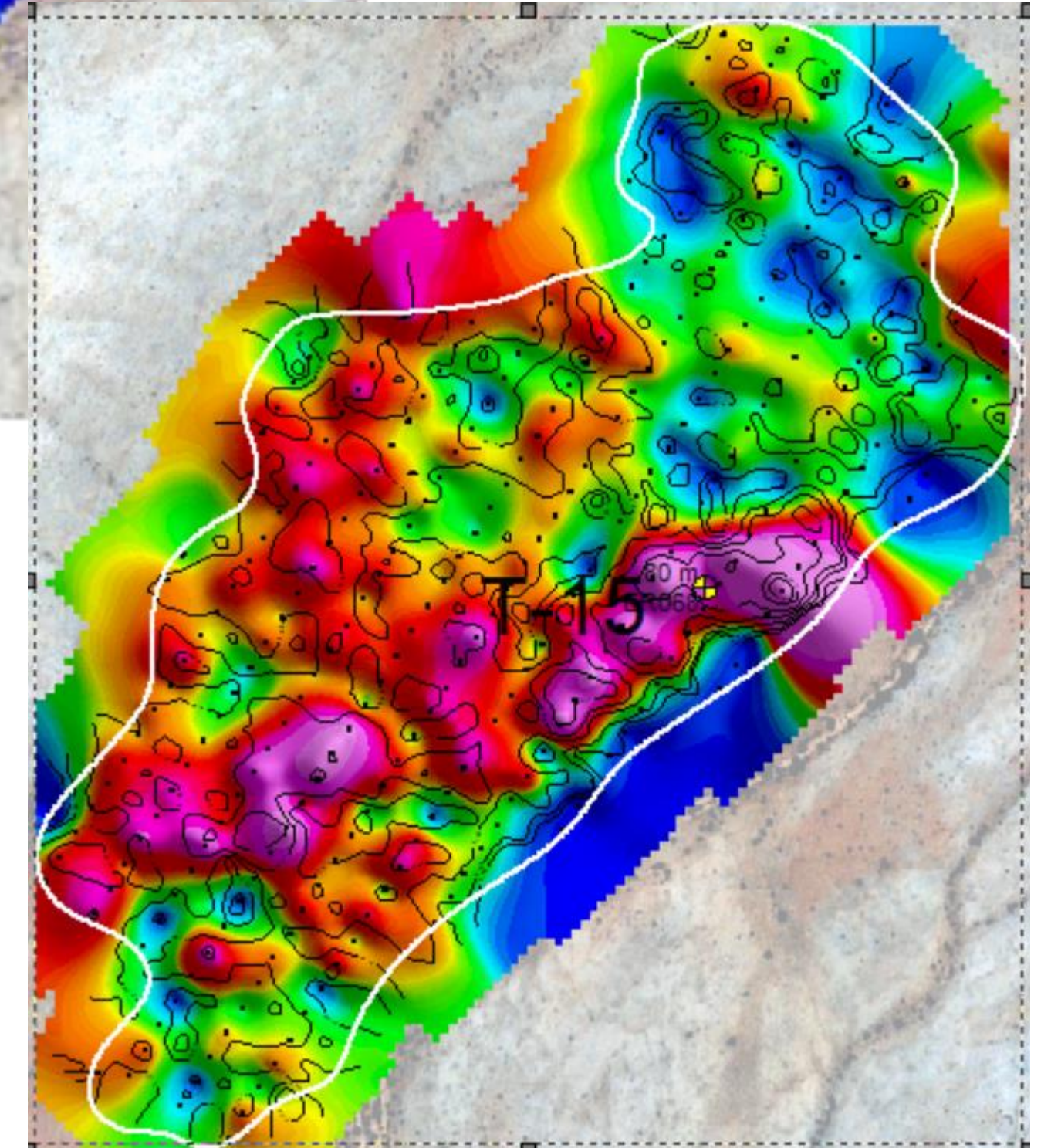
01 Exploration

PROGRAM OPTIMIZATION

- August review of soil sample grid spacing
- Findings: *"we can still pickup an anomaly with a wider grid. Once the anomaly has been identified, narrower infill analysis can be done..."*
- Increased grid spacing from 10X20 meters to 20X40 meters
- Broader scale Geochem survey programs are now achievable



10X20 Meter grid spacing



20X40 Meter grid spacing

01 Exploration

Q4 2023 GEOCHEMICAL SOIL SURVEYS

- New approach, bigger picture, increased technical expertise with Gecko
- Systematic soil survey covering EPL 6762 portion of the Eureka Dome (about 21,000 additional soil samples)
- Optimized sampling logistics quadrupling the capacity of the field team
- Very limited budget implications
- Completion of survey targeted before Christmas 2023
- Interpretation of regional scale data will increase potential for further discoveries

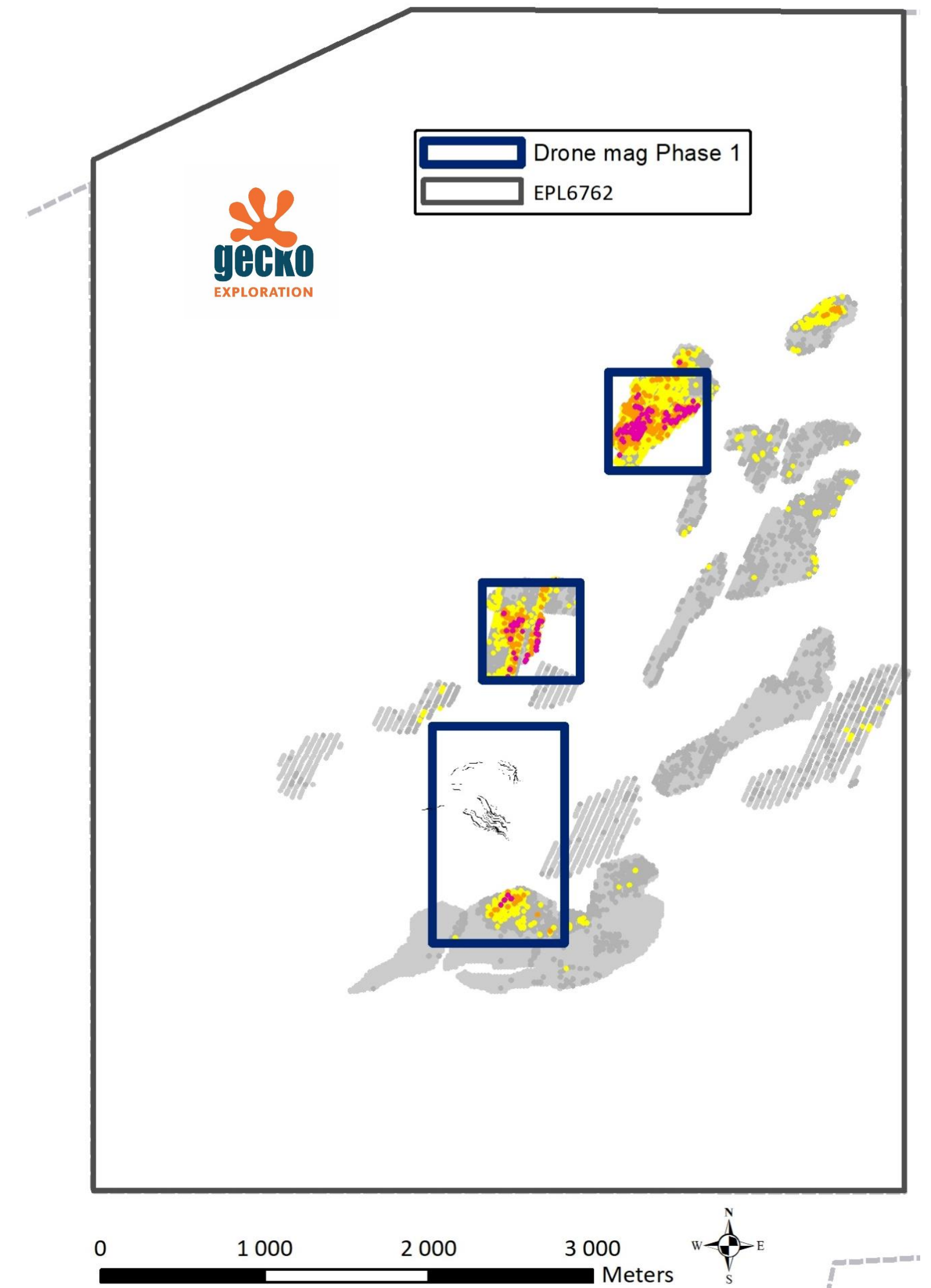


Planned soil survey (green) and existing sample points (black)

01 Exploration

HIGH-RESOLUTION UAV MAGNETIC SURVEY

- E-Tech is finalizing an agreement with Flightec Systems to conduct high-resolution, UAV-based magnetic surveys
- Flightec is a Namibian company specialised in UAV surveys
- State-of-the-art equipment, strong international technological development and data processing team
- Phase 1 magnetic surveys over Eureka Central and the new prospects T9 and T15 to test targeting methods
- Phase 1 surveys are expected to be completed by October 2023
- Data interpretation ready for drill planning by end of 2023

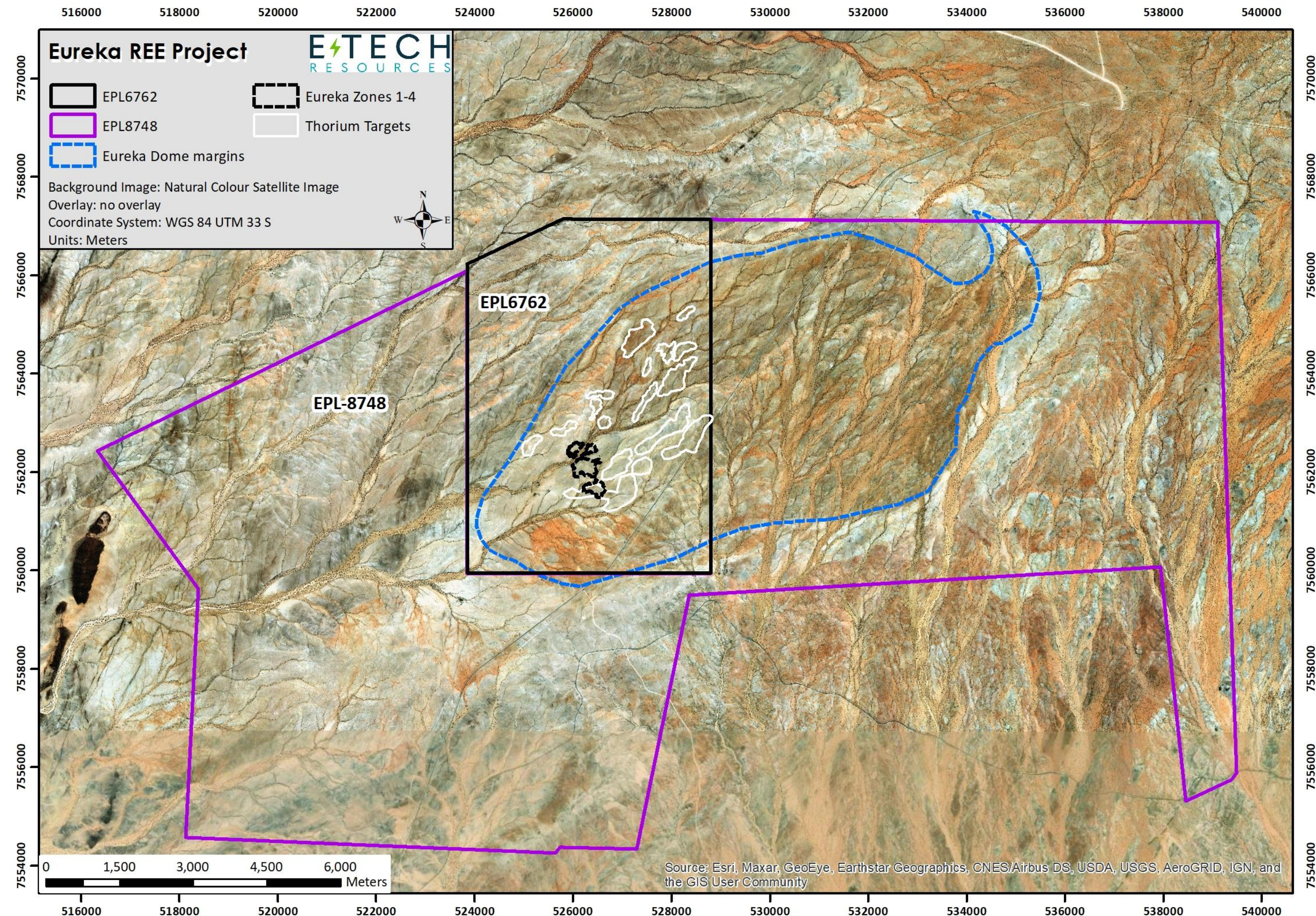


Planned Phase 1 UAV mag surveys

01 Exploration

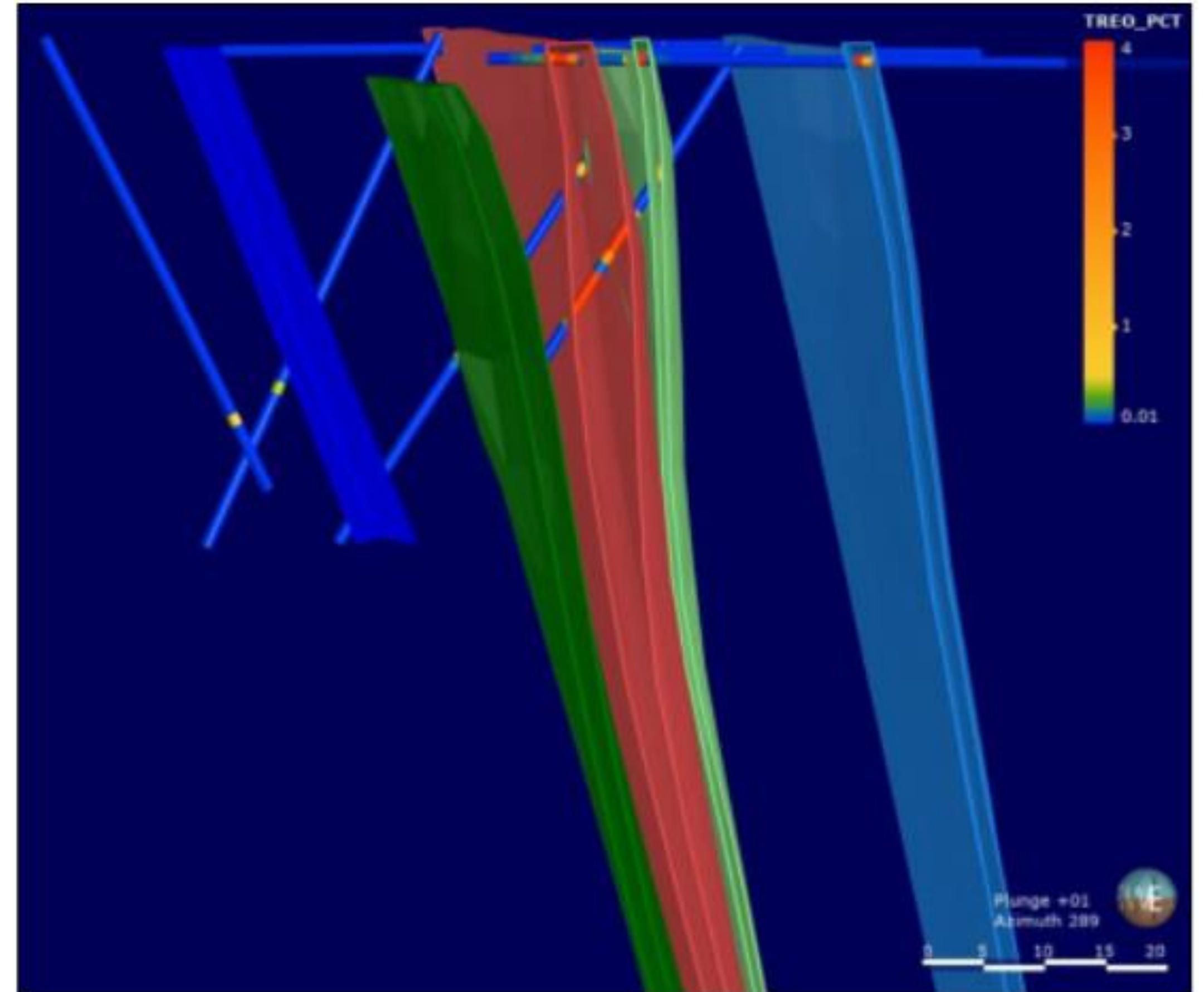
2024: UNLOCKING POTENTIAL

- Setting up for success on new EPL 8748
- Accelerated exploration with highly experienced partners
- Focus on commercially significant REE mineralization
- Data interpretation of soil geochem and drone mag by end of the 2023
- Development of a drill program by January 2024
- EPL 8748 geochem program planned for early 2024



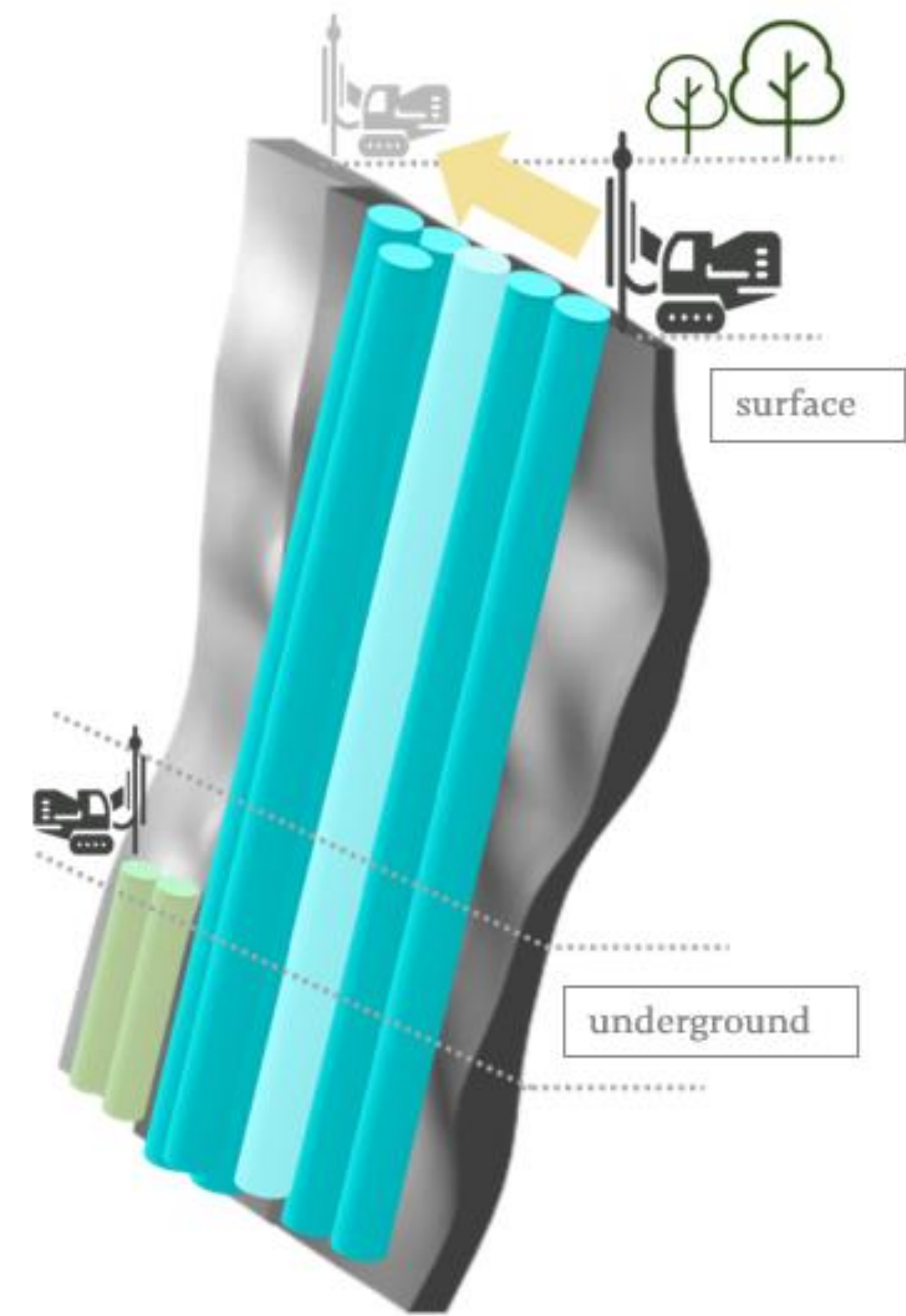
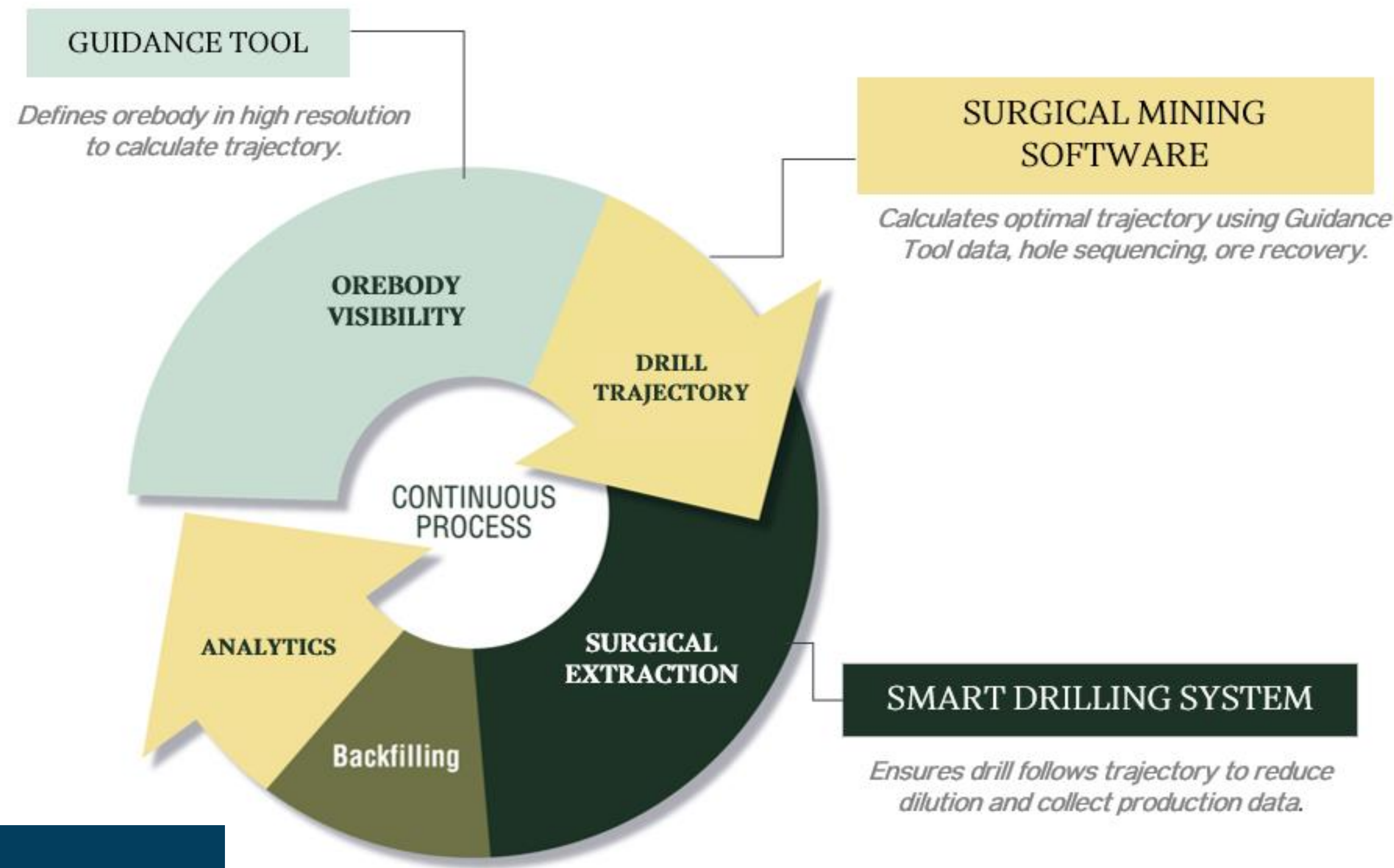
01 Resource

- Independent Technical Report, Eureka Rare Earth Project, Namibia (SRK, August 2021)
- Additional diamond drill, RC drill, and assay results have been collected in 2022-23
- Mineral Resource Estimate Update
- Investigating alternative mining methods to increase resource and reduce impacts



Cross section through mineralization wireframes

02 Resource



NOVAMERA

Sept 27, 2023

NR: E-Tech Resources
Enters Into MOU to
Evaluate Deployment of
Novamera's Surgical
Mining Technologies at
Eureka Project

02 Resource

Novamera’s unique technology integrates into conventional drilling equipment, making them able to pinpoint, map, navigate and extract high-value narrow vein deposits without the need for costly infrastructure.



Economic Benefits

- Easily scalable, mobile equipment.
- Lower project risk & lower CAPEX.
- Reduces tailings costs & environmental liabilities.
- Faster ore-production & permitting.
- Increases production flexibility.
- Integrates quickly & easily into existing operations.

Environmental Impact

- Minimal footprint & disruption.
- Waste/tailings returned to ground (reduces risk of tailings disasters).

Safety & Social License

- Zero Entry Mine, operators remain above ground.
- No blasting, dust or noise pollution.

Sept 27, 2023

NR: E-Tech Resources
Enters Into MOU to
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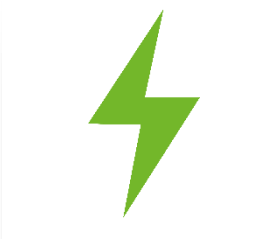


*Figures by Novamera

03 Metallurgy

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

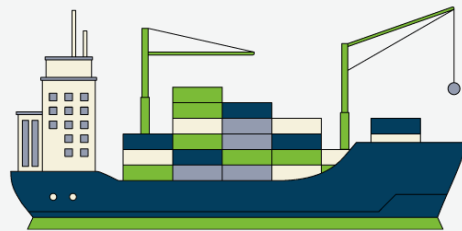
>65%

RECOVERY

>60%

TREO GRADE

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



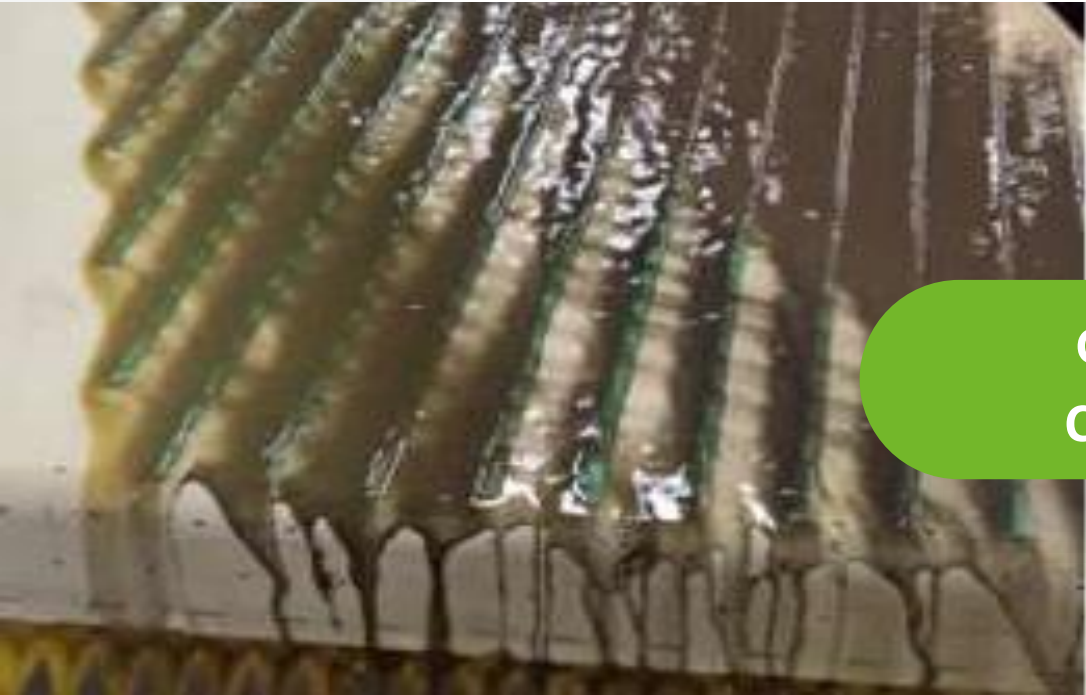
AMENABLE
SHIPPING OF
PRODUCT
Due to low
radioactive levels



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



MONAZITE IN HOST
ROCK



GRAVITATIONAL
CONCENTRATION



MAGNETIC
SEPARATION



MONAZITE
CONCENTRATE

03 Metallurgy

17 May 2023

E-Tech Resources Signs MOU to Advance Feasibility Study for Rare Earth Metal Separation Facility in Namibia

- Advance test work to refine monazite concentrate and produce mixed rare earth concentrate
- Pursue opportunities for further refining into individual oxides
- E-Tech, along with its partners in the Rare Earth Alliance Namibia recognize the need for a de-risked and secure supply chain for Rare Earth Elements refinement and processing to support a sustainable economy.

RARE EARTH ALLIANCE NAMIBIA (REAN)



NAMIBIA
CRITICAL METALS INC.
(Formerly Namibia Rare Earths Inc.)

E-TECH
RESOURCES

**Ondoto Rare Earth
(Pty) Ltd.**

04 Sustainability

COMMITTED TO RESPONSIBLE ENVIRONMENTAL, SOCIAL & CORPORATE GOVERNANCE

<div>3 GOOD HEALTH AND WELL-BEING</div>  <div>Health & Safety</div>	<div>4 QUALITY EDUCATION</div>  <div>Jobs & Education</div>	<div>8 DECENT WORK AND ECONOMIC GROWTH</div>  <div>Best Practice & Transparency</div>	<div>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</div>  <div>Value Chain Management</div>
<div>10 REDUCED INEQUALITIES</div>  <div>Inclusiveness & Fairness</div>	<div>11 SUSTAINABLE CITIES AND COMMUNITIES</div>  <div>Community Support</div>	<div>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</div>  <div>Efficient Consumption</div>	<div>15 LIFE ON LAND</div>  <div>Environmental Care</div>



PROF FRANCES WALL
DIRECTOR | UK

Dr. Wall has led large consortium research projects such as HiTech AlkCarb and SoS RARE and is currently Principal Investigator for the UK Research and Innovation Interdisciplinary **Circular Economy** Centre for Technology Metals (Met4Tech).

Dr. Wall is the Chair of the British Geological Survey Science Advisory Committee. Member of the UK Critical Minerals Expert Committee.



04 Sustainability

REVERSE OSMOSIS COMMUNITY PROJECT

In **July 2023**, the community at Eureka celebrated the installation of a Reverse Osmosis (RO) plant, which has brought clean drinking water to the area for the first time. This project was made possible through the sponsorship of E-Tech Resources and the implementation efforts of HEPWater.

The RO plant has been a game-changer for the community and their livestock, as it uses advanced technology to remove 99.9% of viruses, bacteria, pyrogens, and other contaminants from the water. This has ensured that the residents and their livestock now have access to safe and clean drinking water, improving their overall health and well-being.



2024 Path Forward

2024 is shaping up to be a pivotal year for Etech. Early indication of positive results along with strategic financing will position us to reach the next level in the exploration and development of the Eureka project. Our goals for 2024 include:

- Commence early 2024 drill program EPL 6762
- Reconnaissance exploration and test targets EPL 8748
- Update mineral resource estimate
- Test program of Novamera mining technology
- Advance metallurgical test-work



How is the project funded?

Where are you listed?

Capital Structure

Market Capitalization

COMPANY DETAILS

Financials

By 100% Equity Capital

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

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

Share Price		C\$ 0.065
Market Cap		C\$ 5,393,149
Cash		~C\$ 106,000

As at 30 June 2023

THANK YOU

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

Follow our Social Channels:



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

www.etech-resources.com



Appendix



TSXV: REE | FSE: K2i



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.

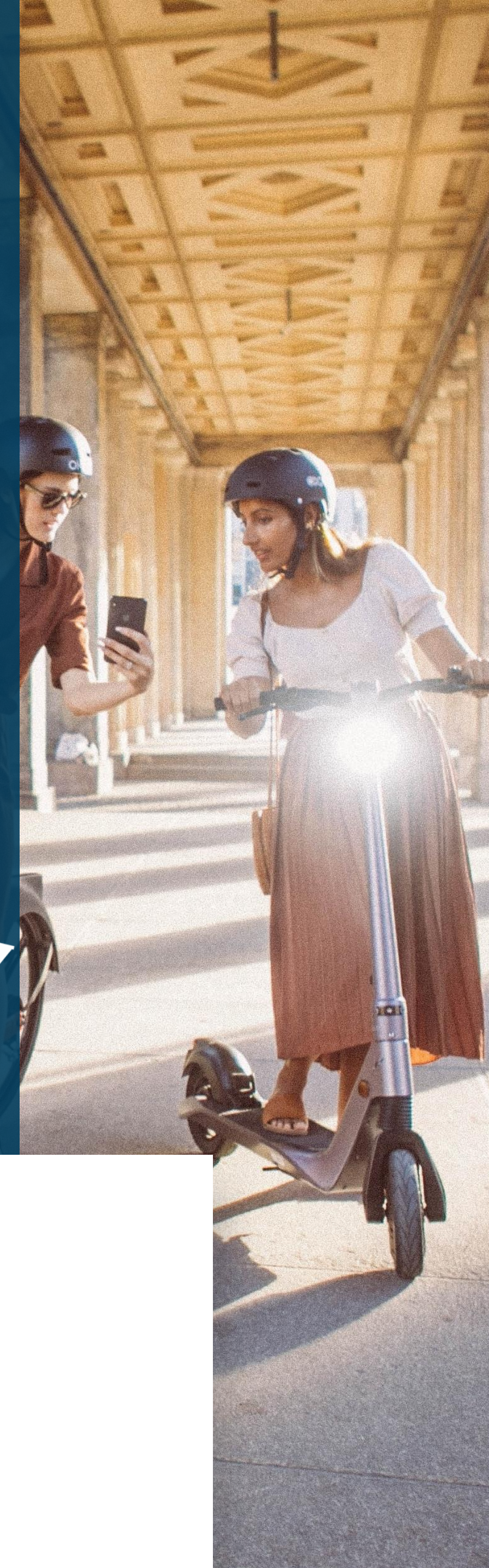
High-Strength Neodymium Magnets (NdFeB) are used in:

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

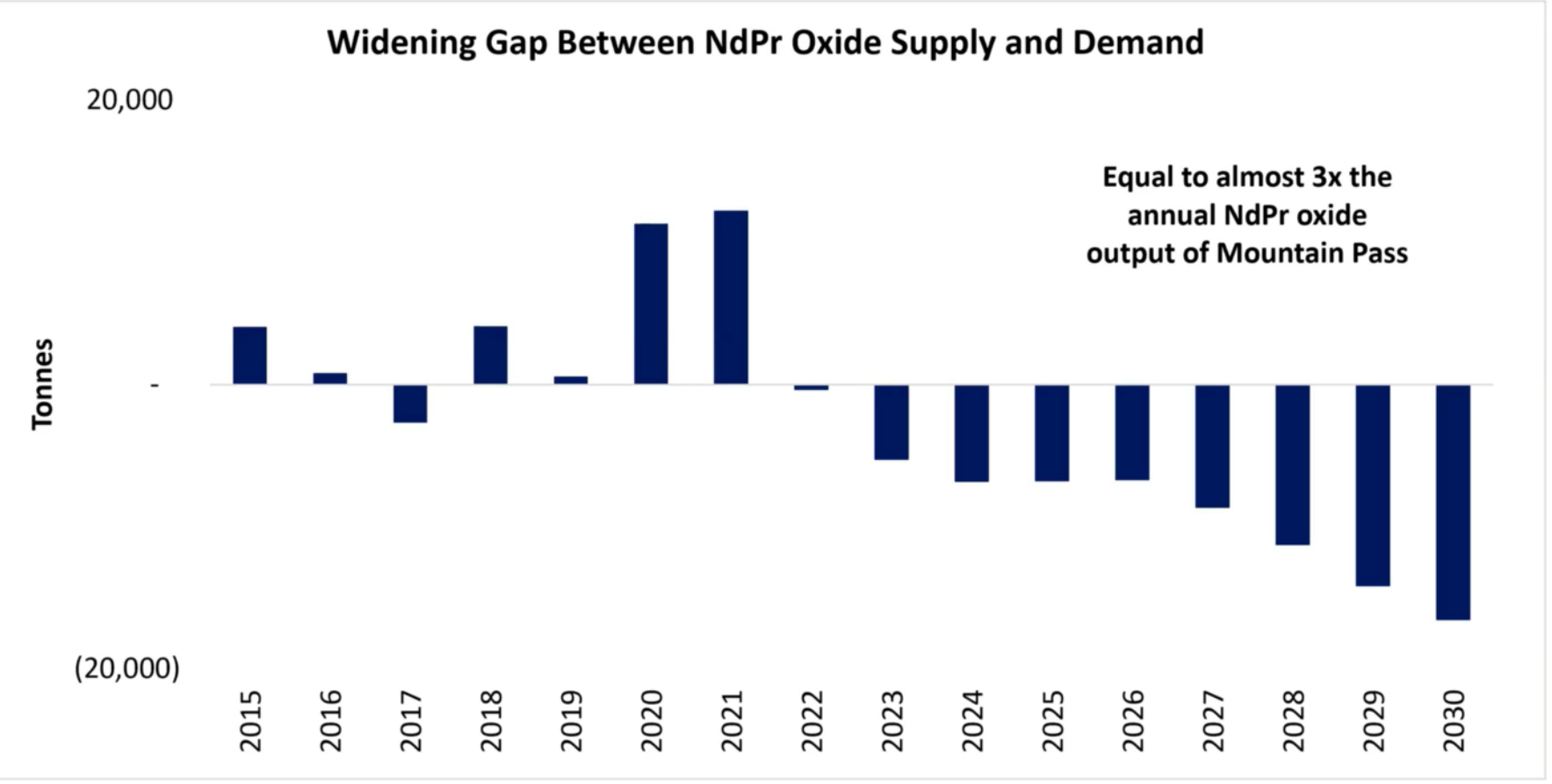
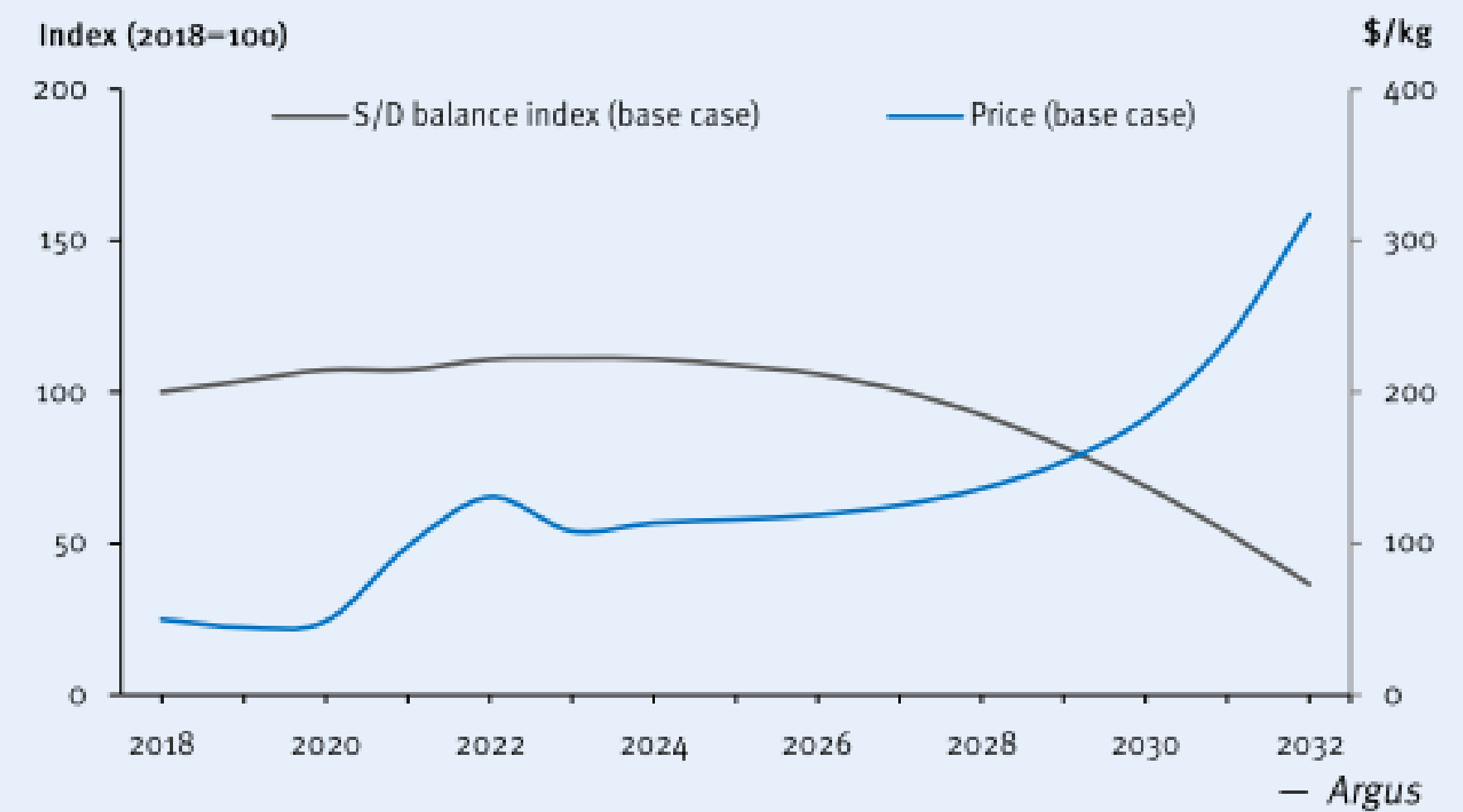


INTRODUCTION

WHY NEODYMIUM?



Price forecast, fob China



* Supply = Production + Inventories

Nd & Pr

Price & Demand Forecast

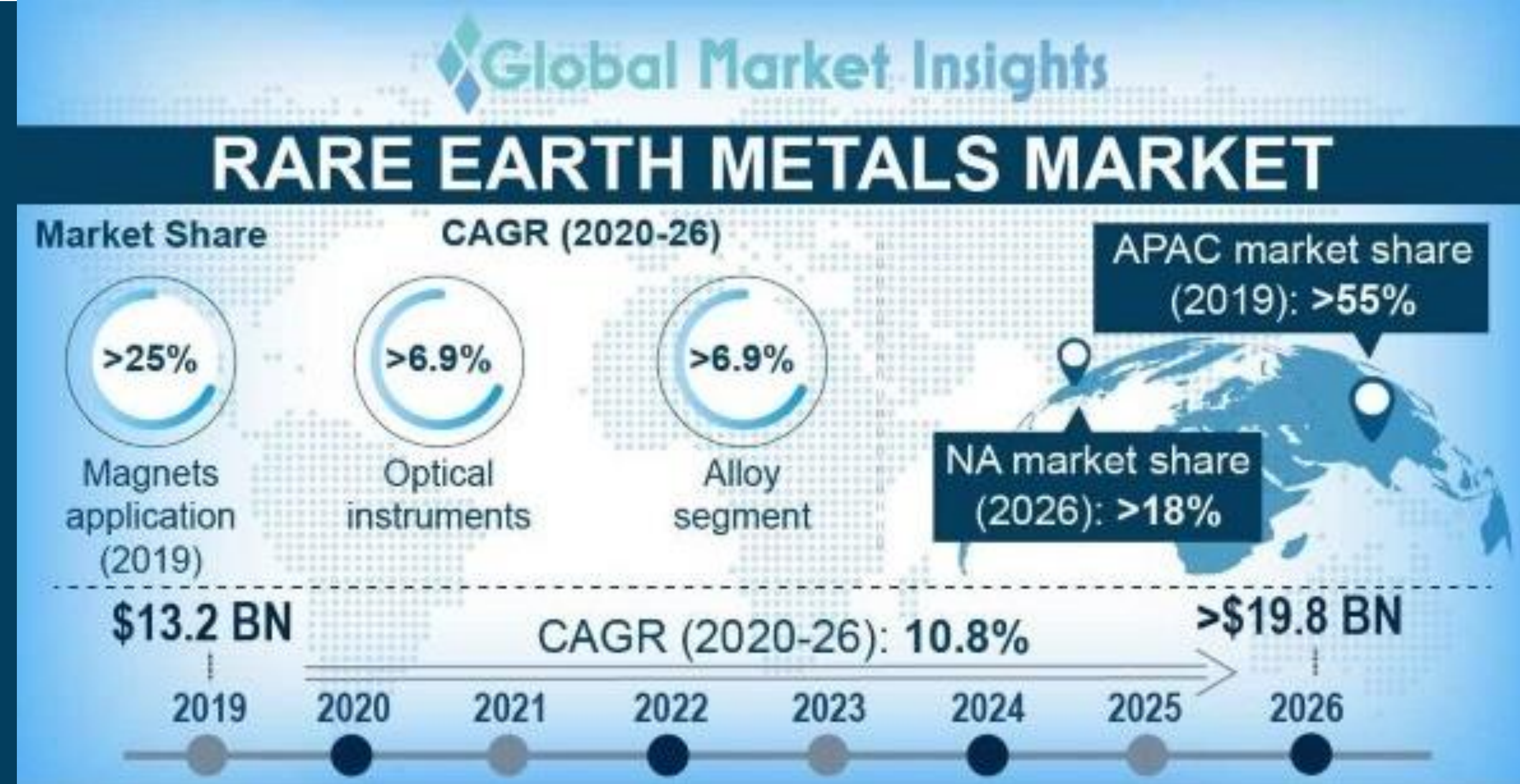
TSXV: REE | FSE: K2i



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%

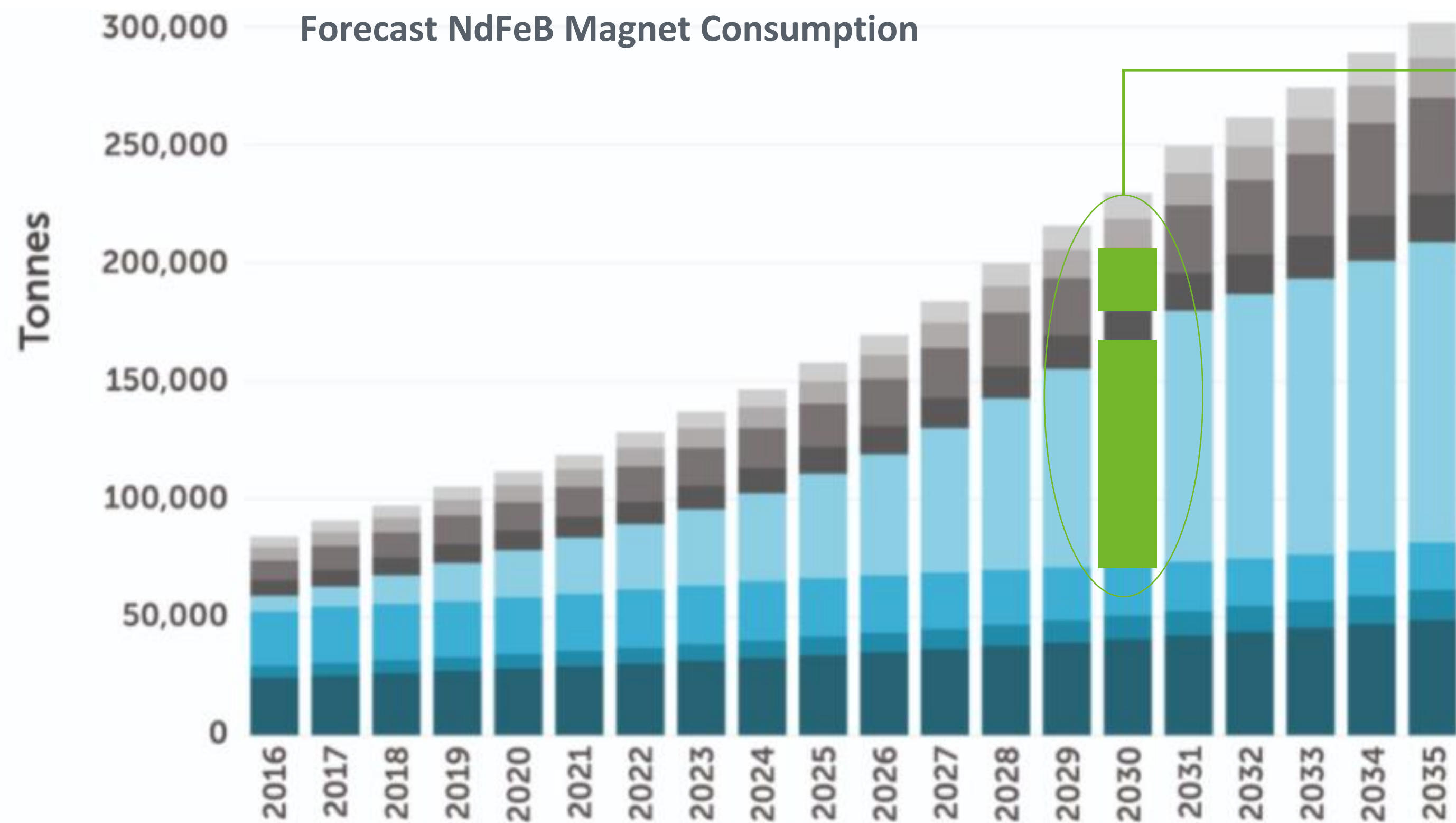
Will remain to originate from China

E-TECH RESOURCES

04 Sustainability

Contributing to the community while developing the resources of Namibia





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)

NdPr MAGNETS & APPLICATIONS

2030 Market Needs.

- 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

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

NdPr OXIDE

2030 Market Imbalance.

GLOBAL DEFICIT

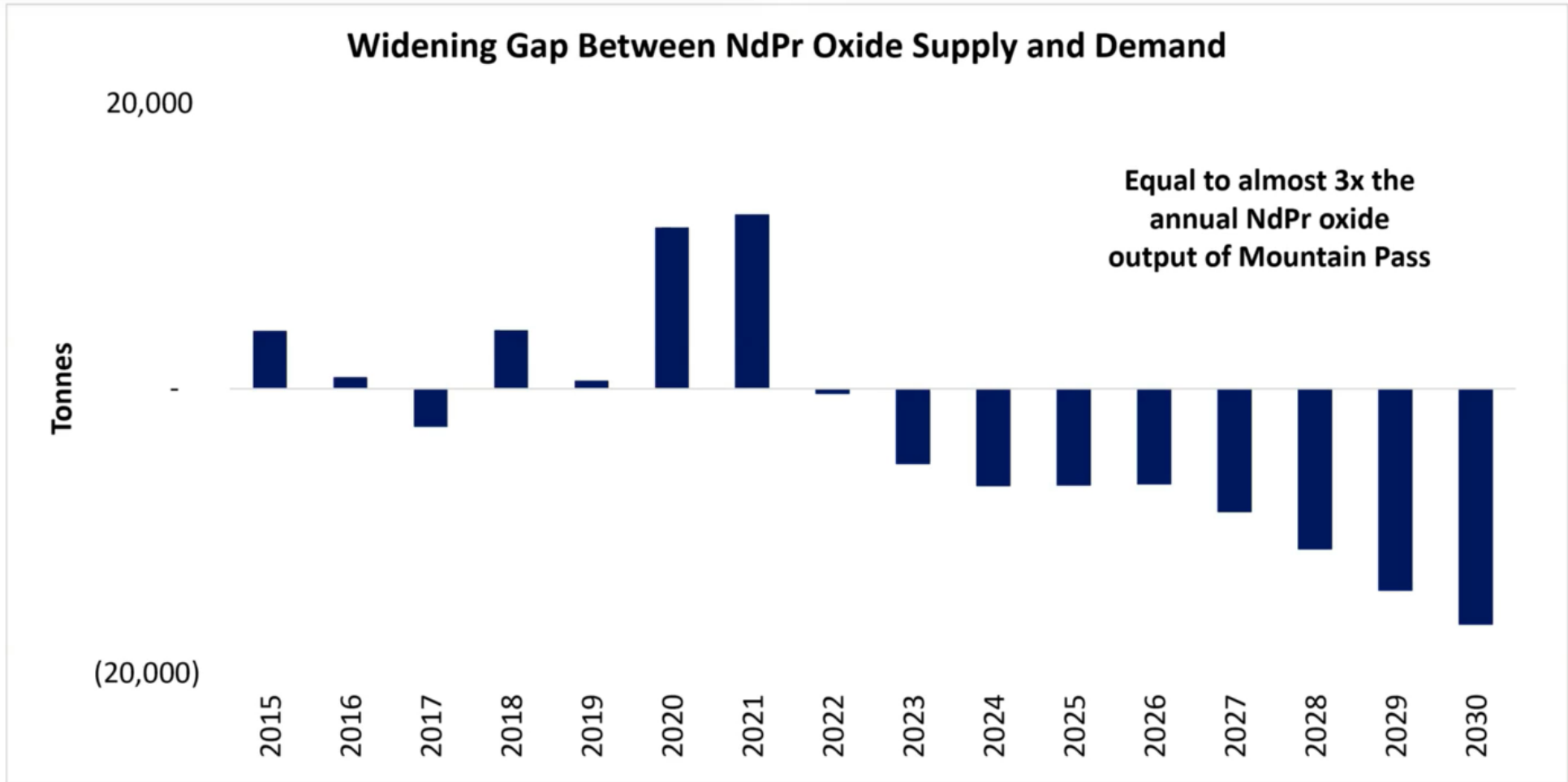
50,000 T

NdFeB PM material by 2030

EQUALS

25,000 T

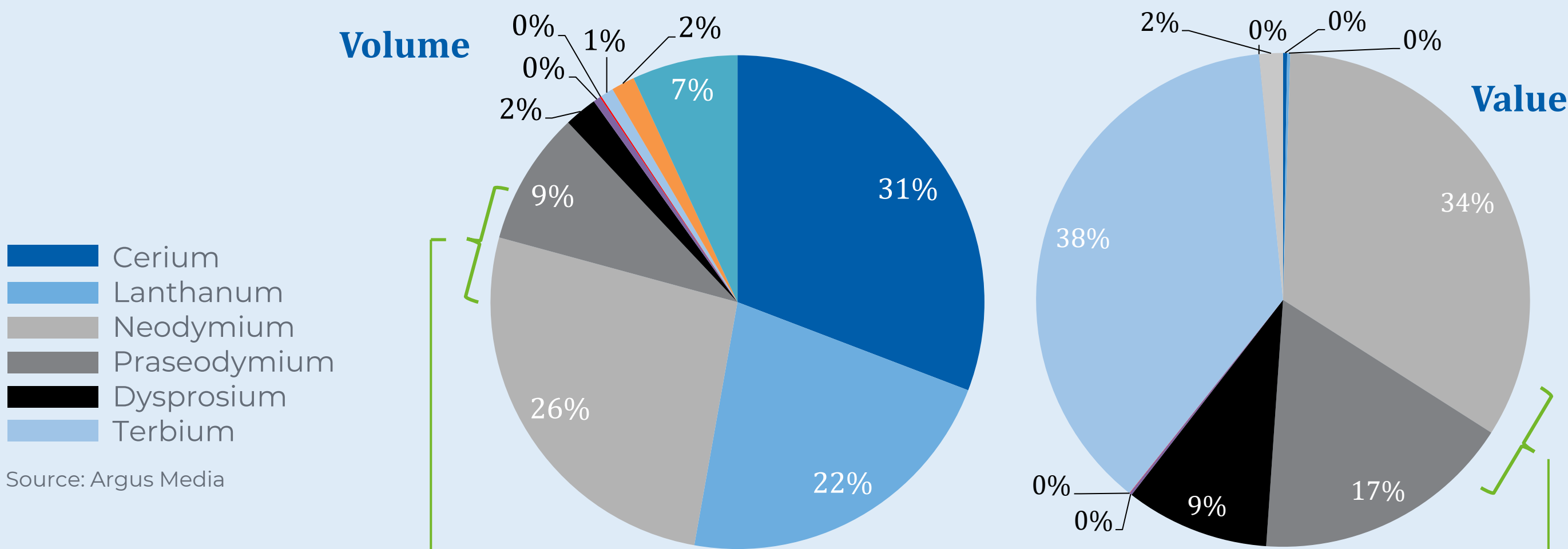
NdPr Oxide (from new mining capacity)



* Supply = Production + Inventories

Source: Adamas Intelligence

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



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

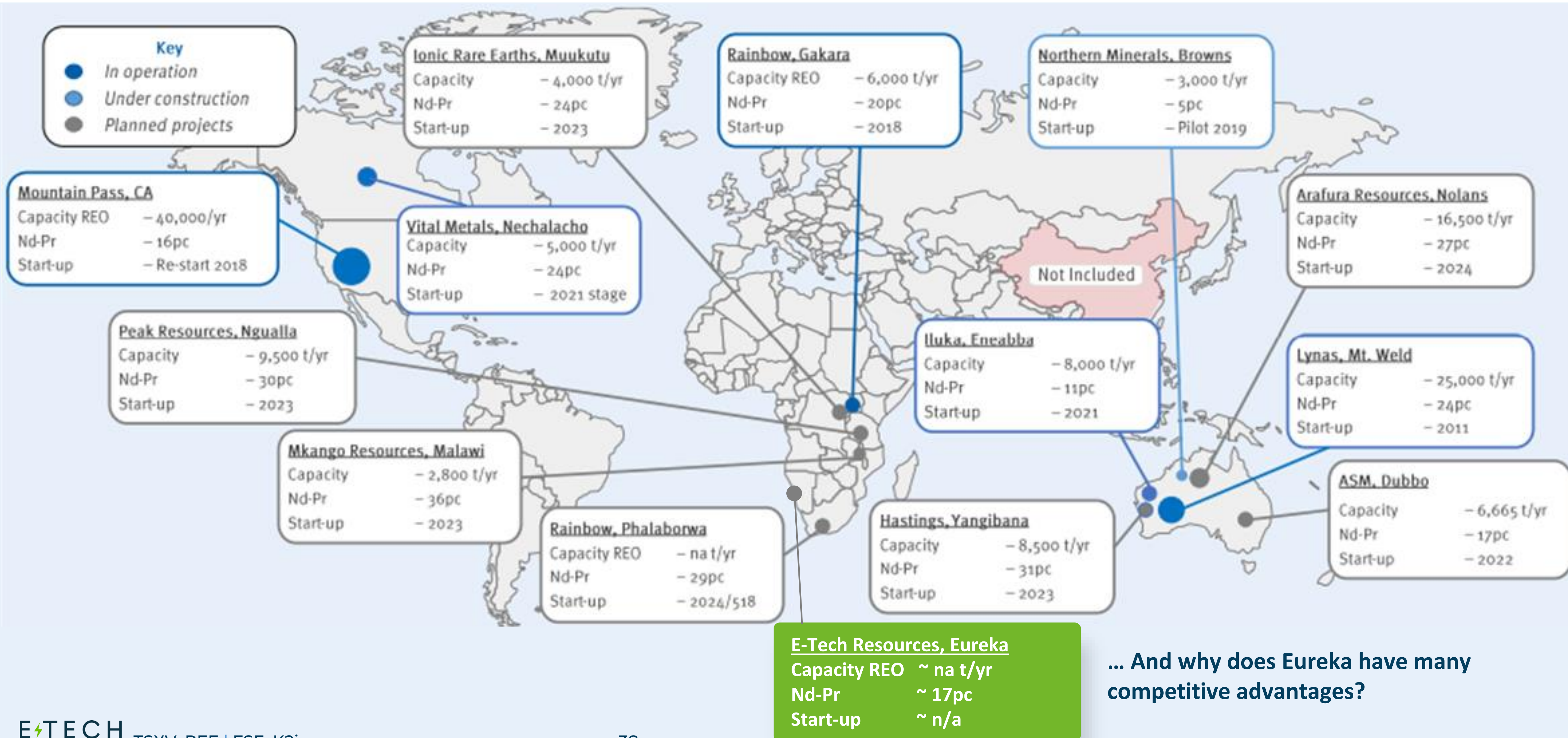
>50%

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?



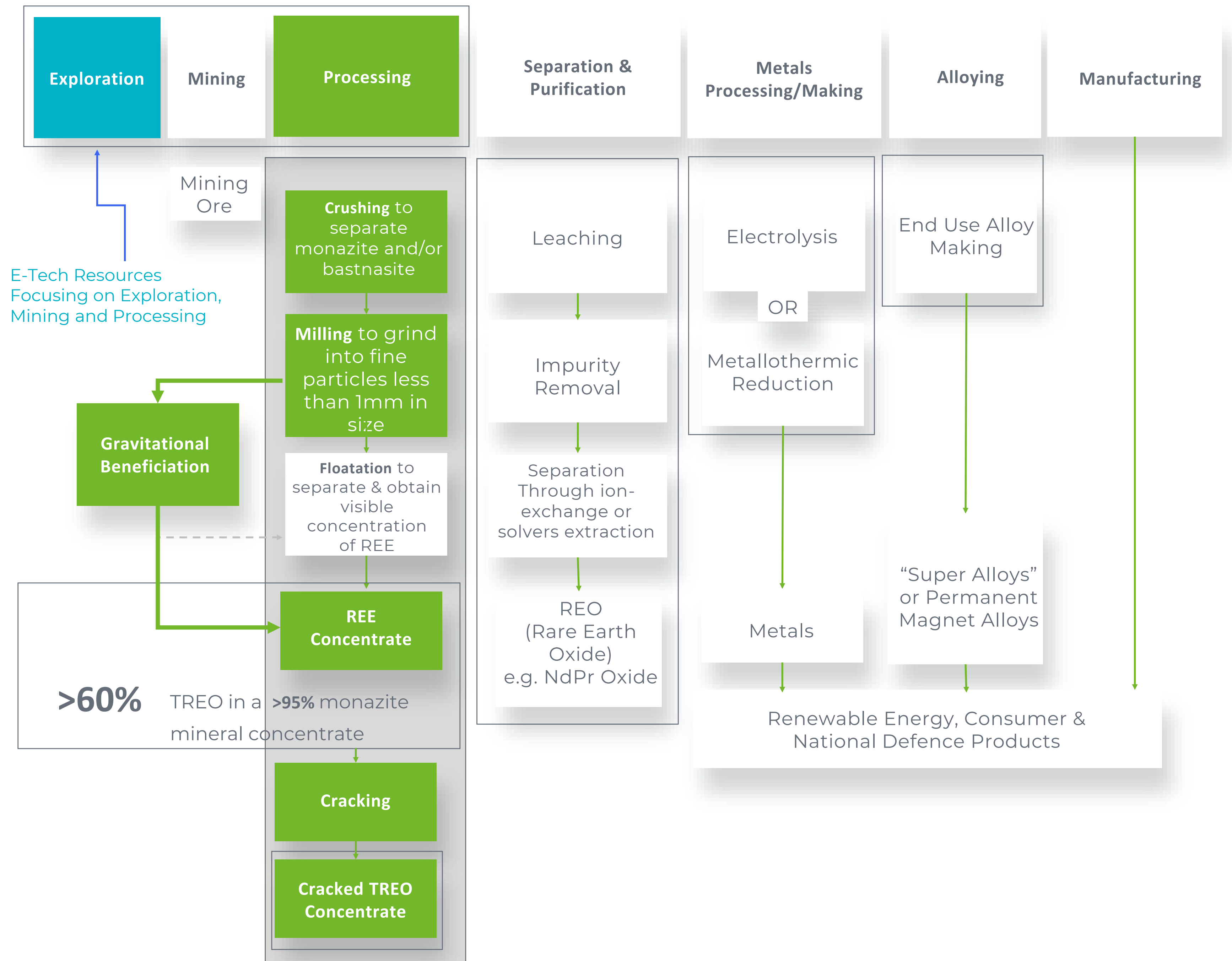
Coarse caramel monazite = host mineral for REEs



THE EUREKA

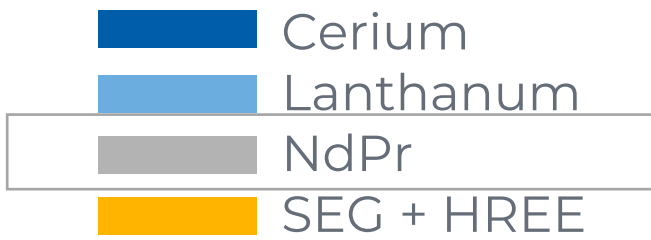
Value Chain

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

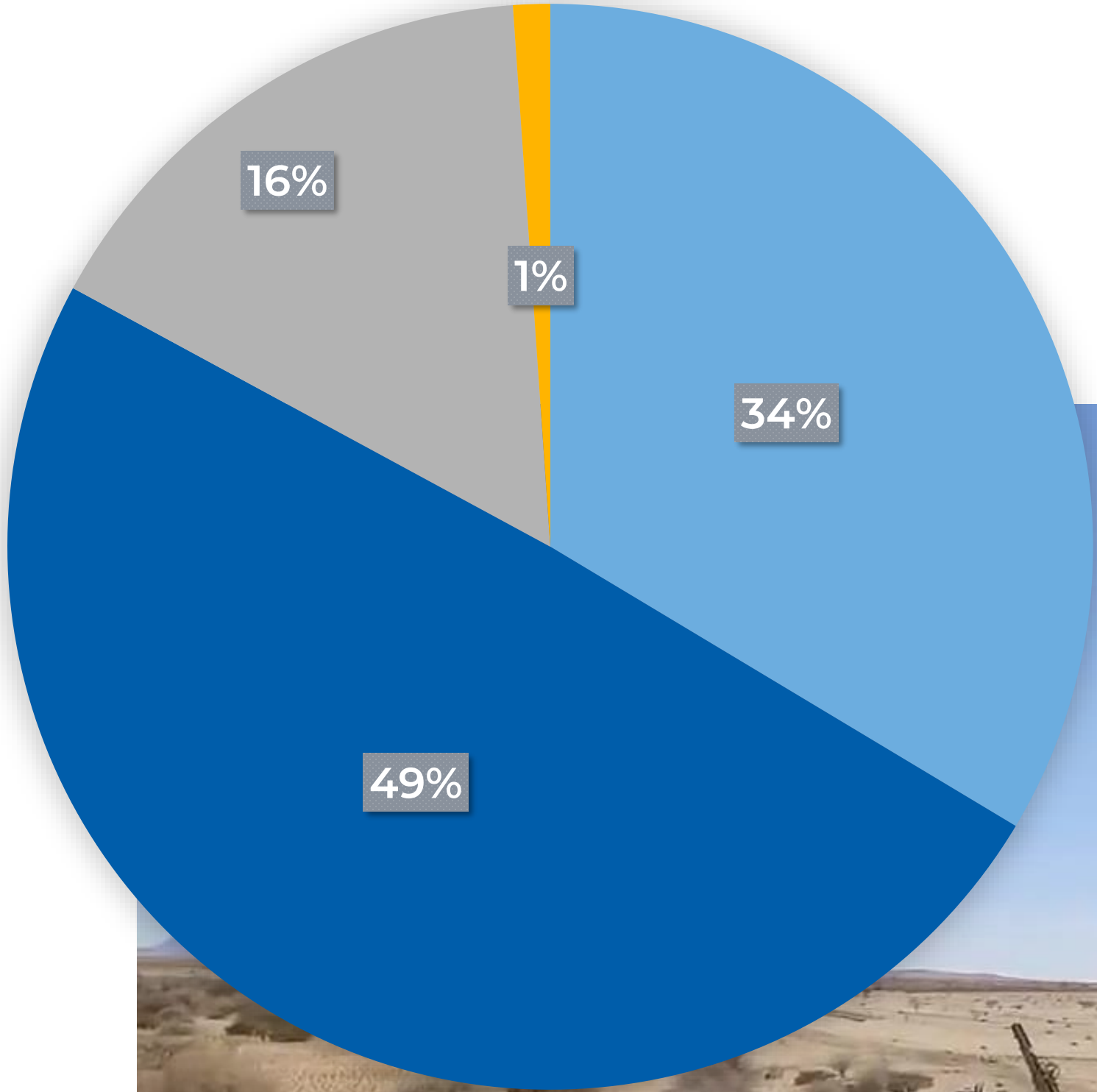


EUREKA'S AVERAGE

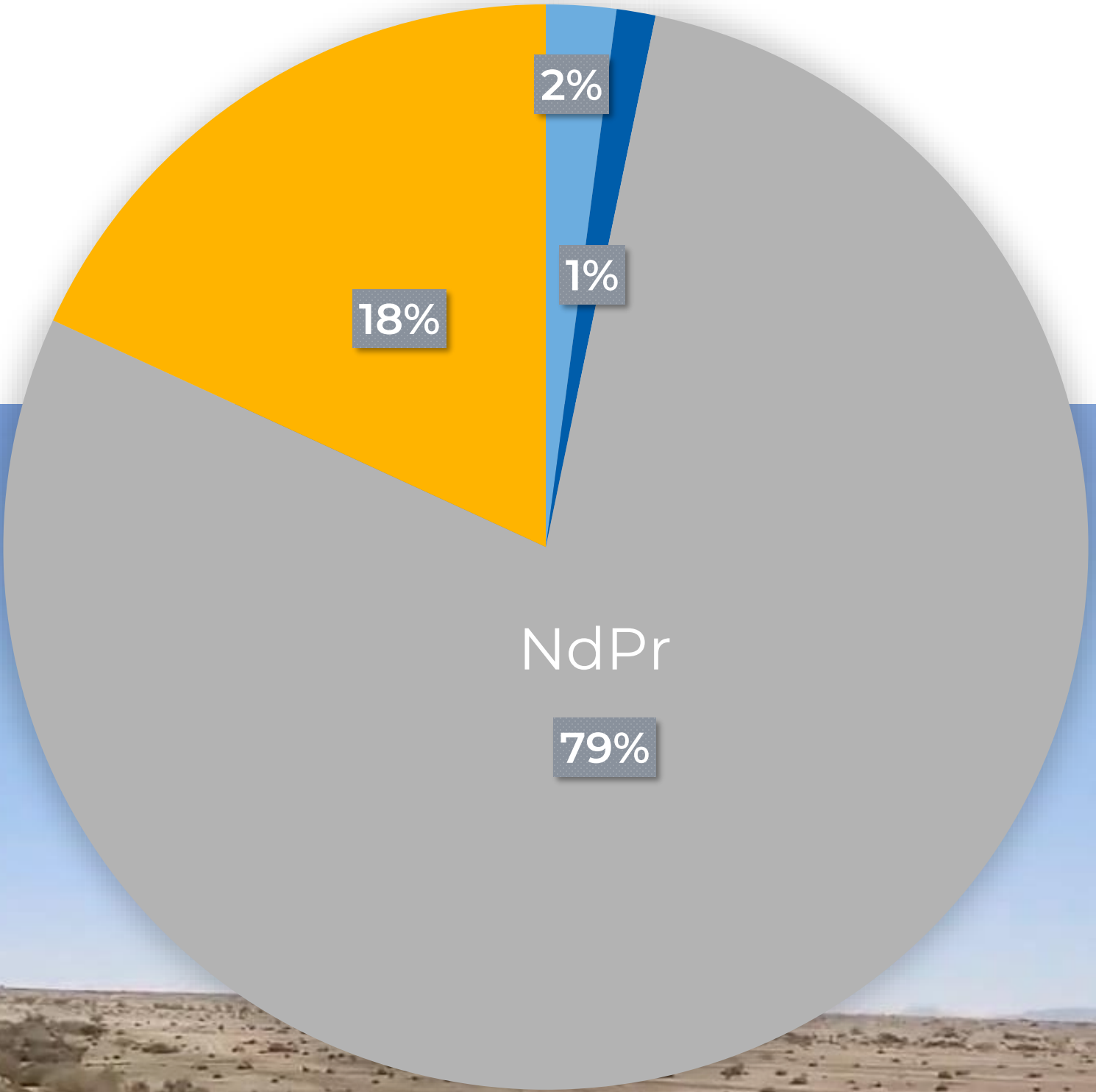
BASKET DISTRIBUTION & BASKET BY VALUE



Eureka Basket Distribution



Eureka Basket by Value



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

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



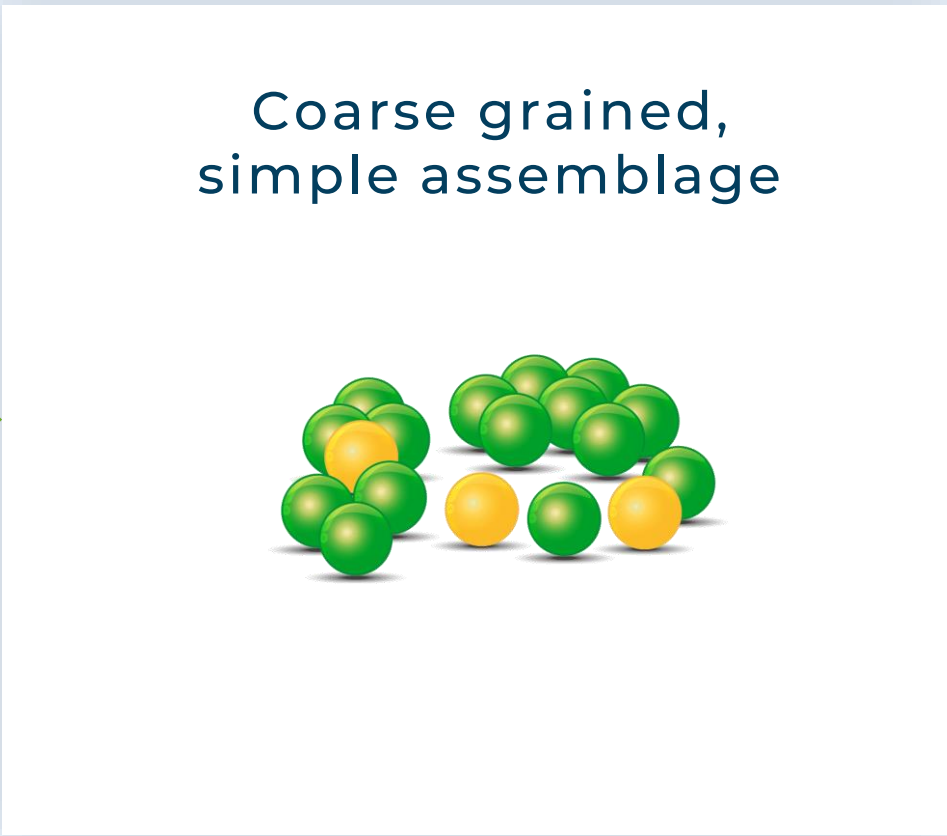
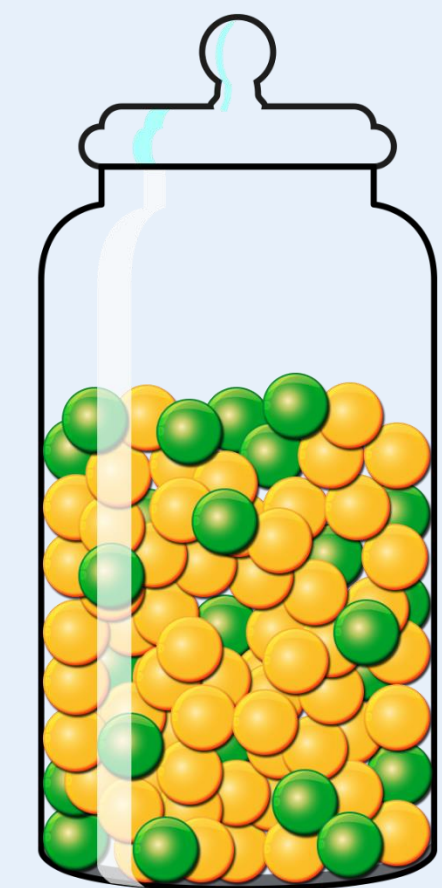
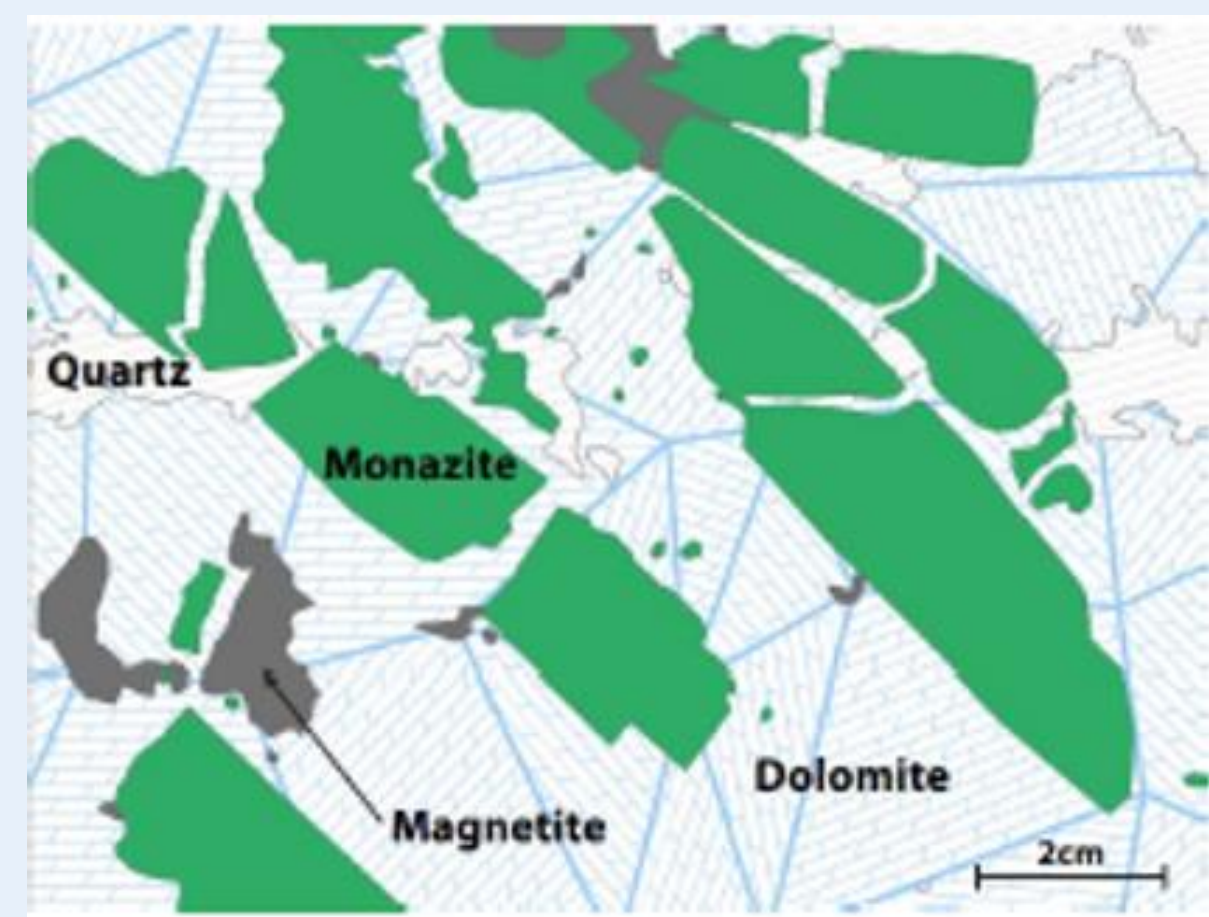
DEPOSIT	OPERATOR	PRODUCING YET?	DEPOSIT SIZE	PREDOMINANT MONO-MINERALIC REE ORE	GRAINSIZE OF TARGET ORE	EASE OF PROCESSING / RECOVERY	RADIO-ACTIVITY	ACCESS	COUNTRY RISK	COST OF PRODUCING
Mount Weld, Australia	Lynas			Monazite	Fine grain	Flotation				
Mountain Pass, USA	Shenghe Resources			Bastnasite 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)

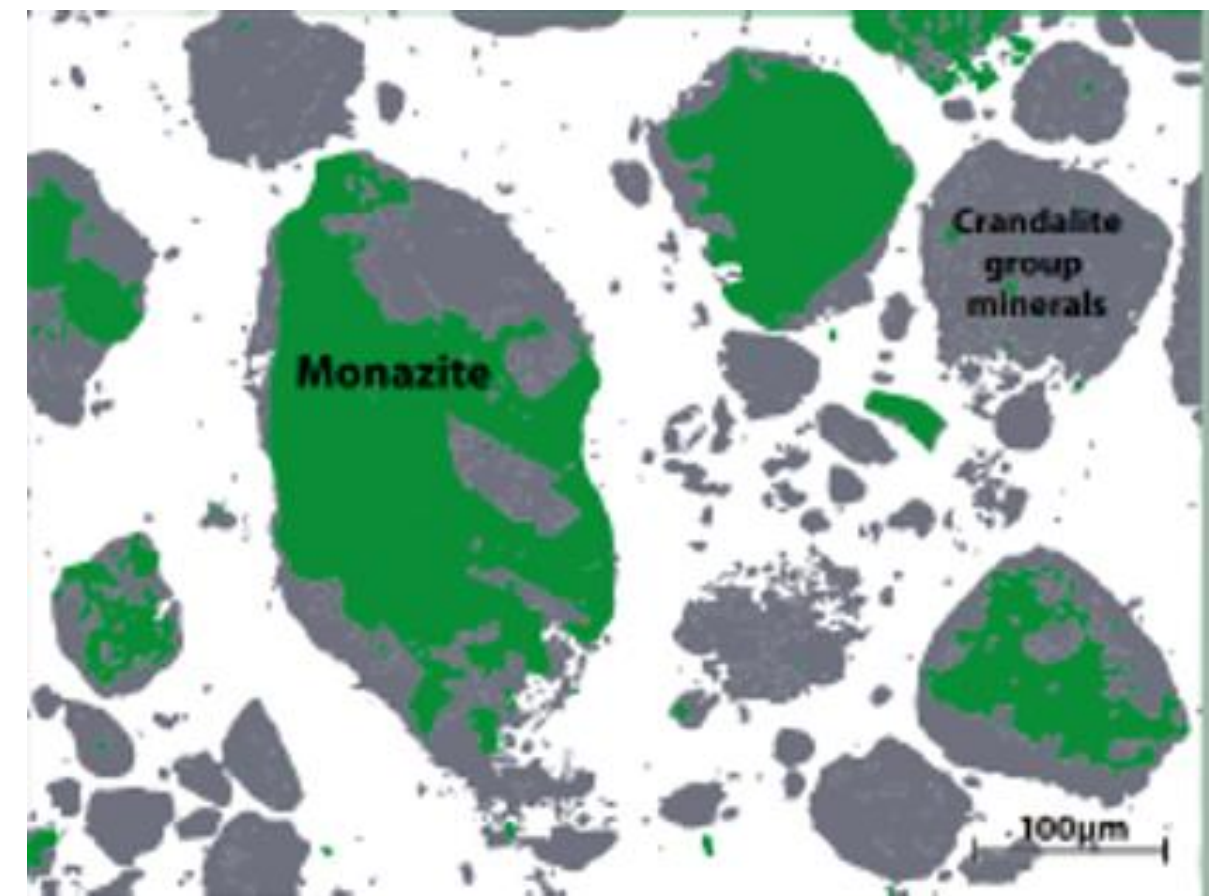


Eureka

First Pass Recovery

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

Complex weathered carbonatite



Complex Processing

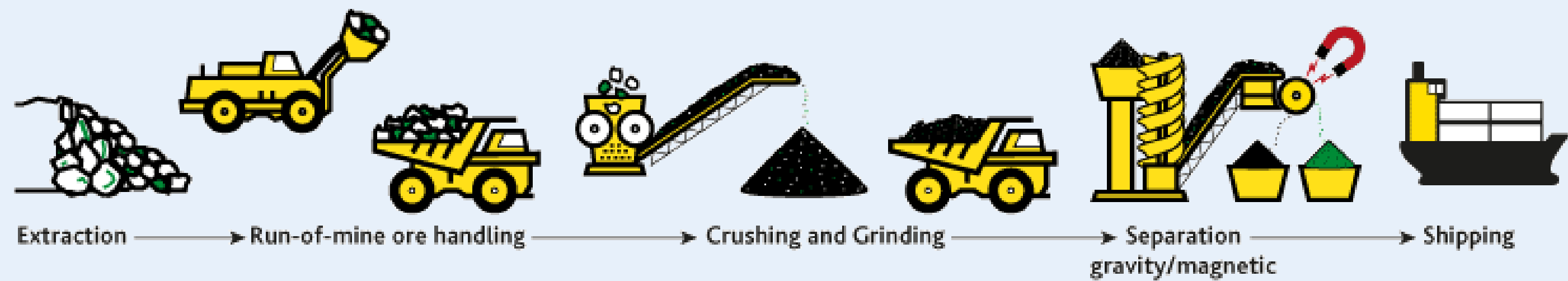
Processing requirements are more complex due to smaller grain size. This results in lower recovery of green “sweeties” and a less pure, more contaminated, REE mineral concentrate product.

For illustration purposes only

REE Project Beneficiation

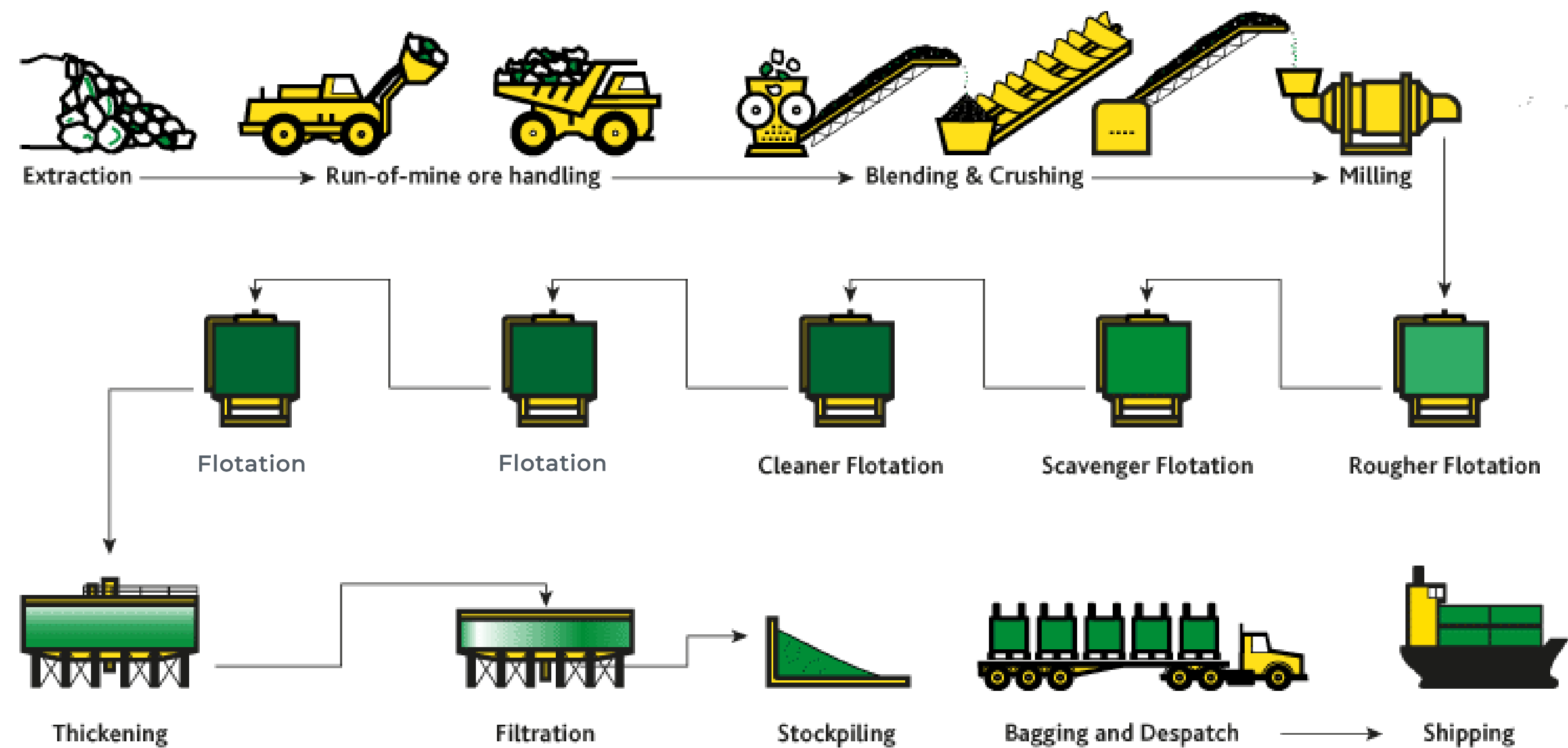


Low-cost \$ Simple flow-sheet to mineral concentrate



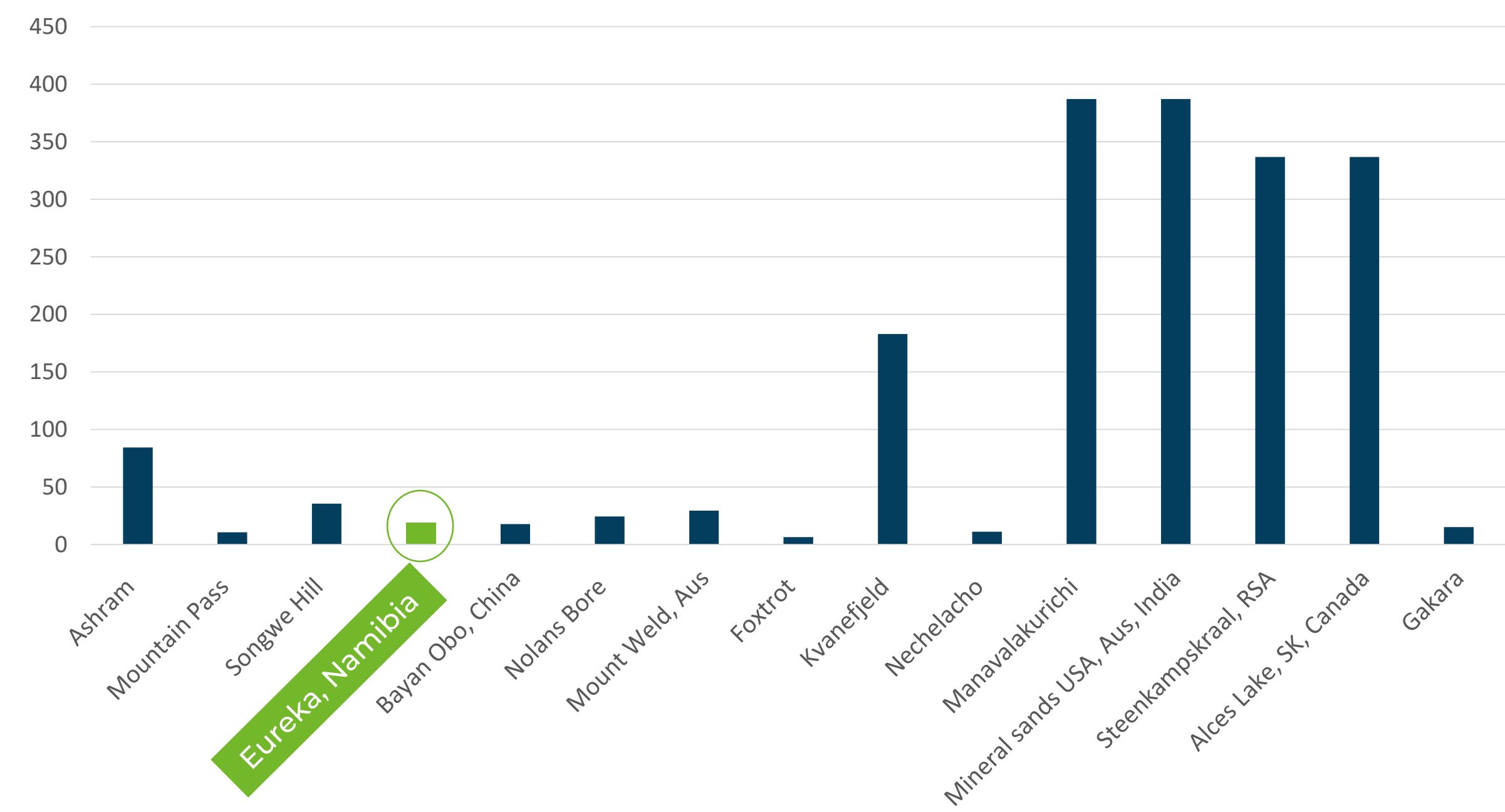
Eureka High-grade
to mineral concentrate with
>65% TREO

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

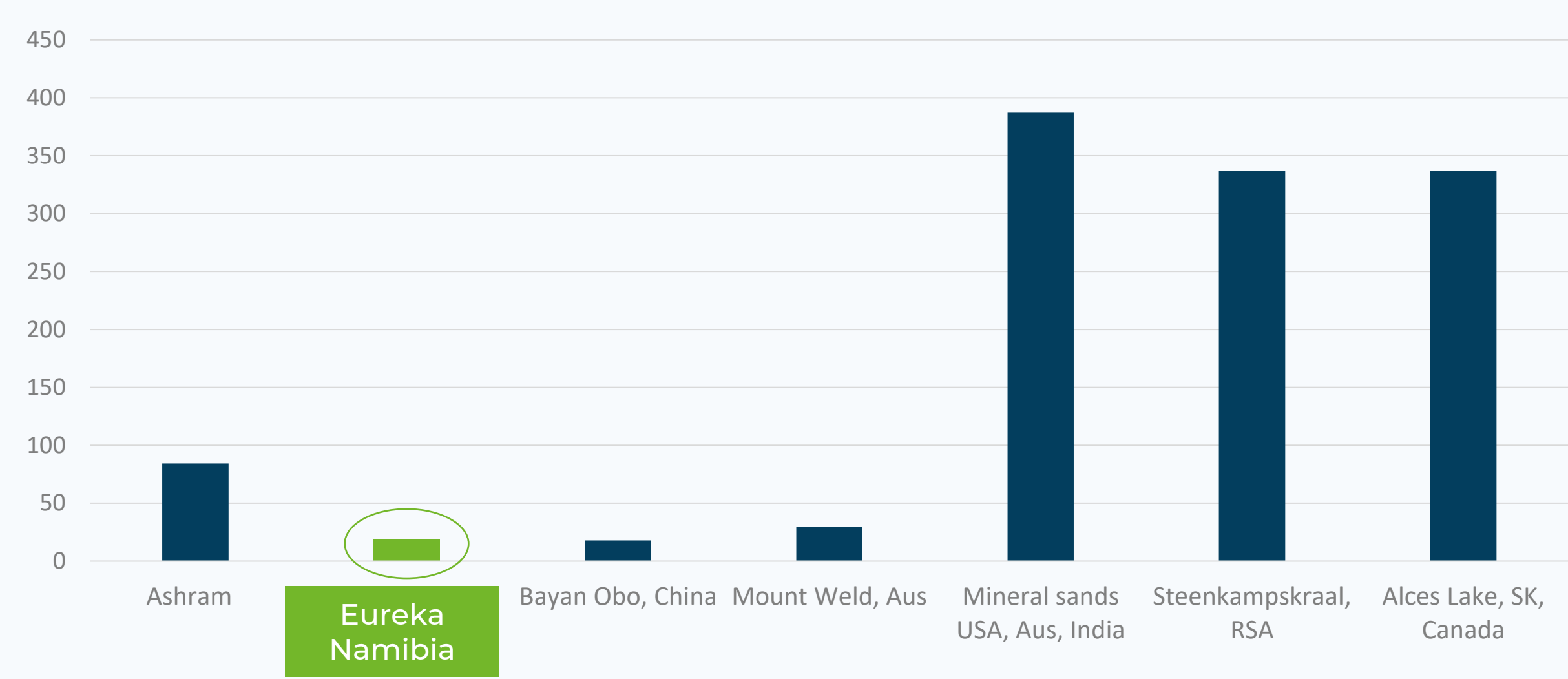


Other Projects Low-grade
to mineral concentrate with
~40% TREO

Radioactivity of REE ore mineral at deposit



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

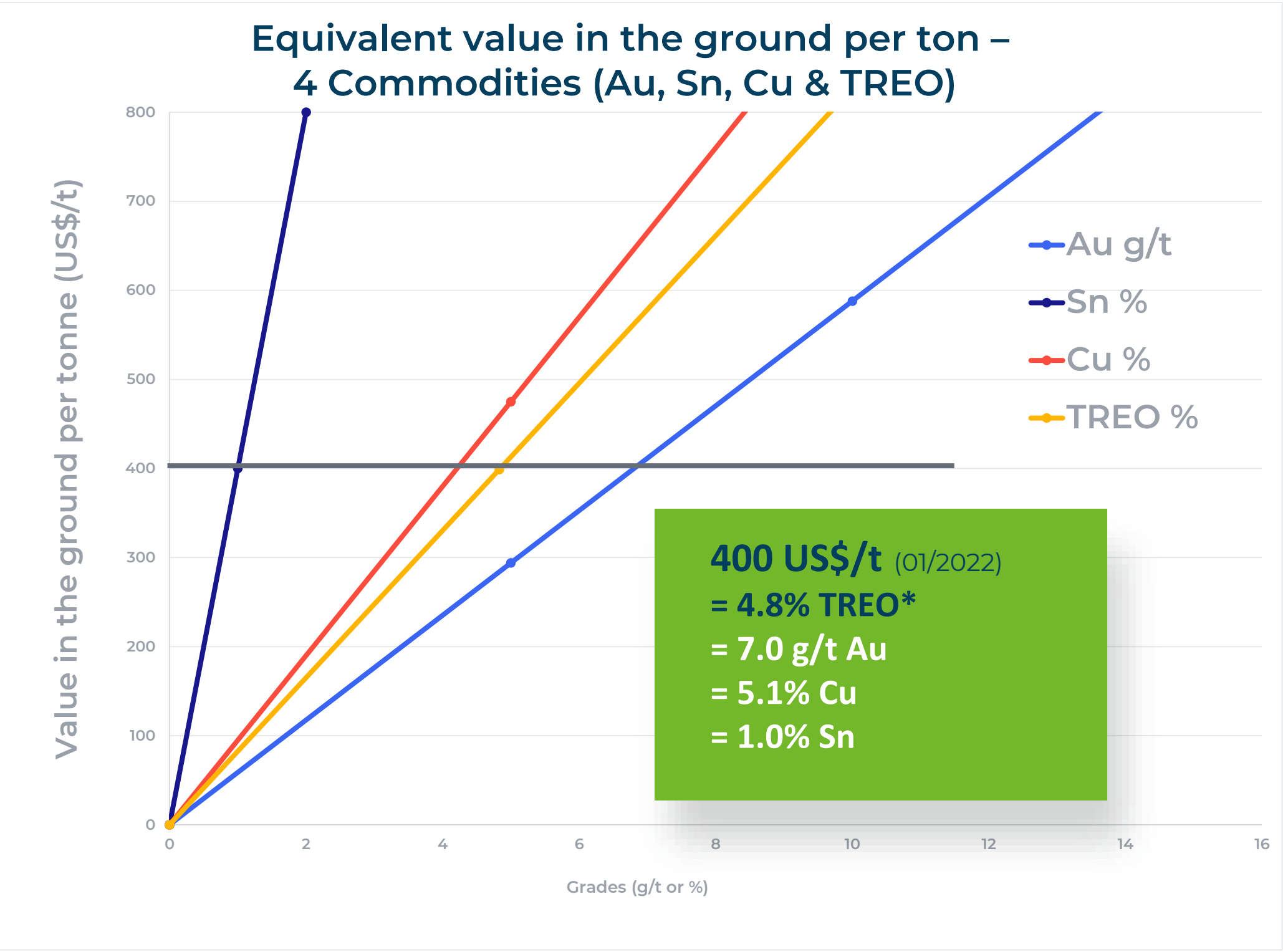


Radioactivity Specific Activity (Bq/g) monazites compared
Each at empirical purity comparison

In-Situ Basket Value

Eureka in-situ equivalent value

Sales Options	Description	Key Value Drivers	Potential	Risk	Customer	Plant required
Sell Mineral Concentrate	All TREO incl. Th/U mixed in first marketable product	Fast Time-to-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
>65 TREO%						



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

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