

Powering the transition to a cleaner future

www.etech-resources.com



EUREKA REE Project, Namibia

CORPORATE PRESENTATION - SUMMARY

May 2022

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



TSXV: REE | FSE: K2i

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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:

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

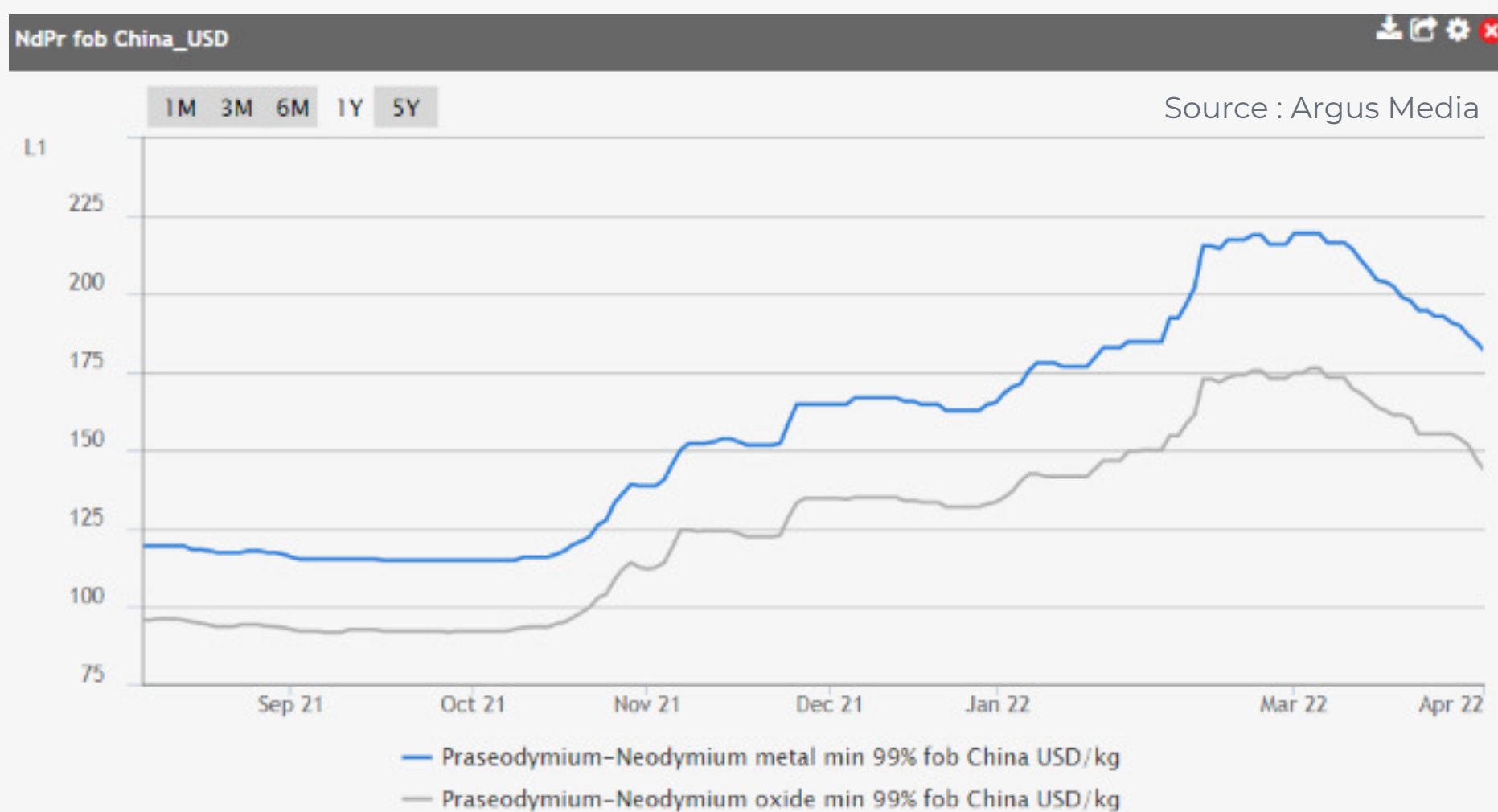


INTRODUCTION

WHY NEODYMIUM?



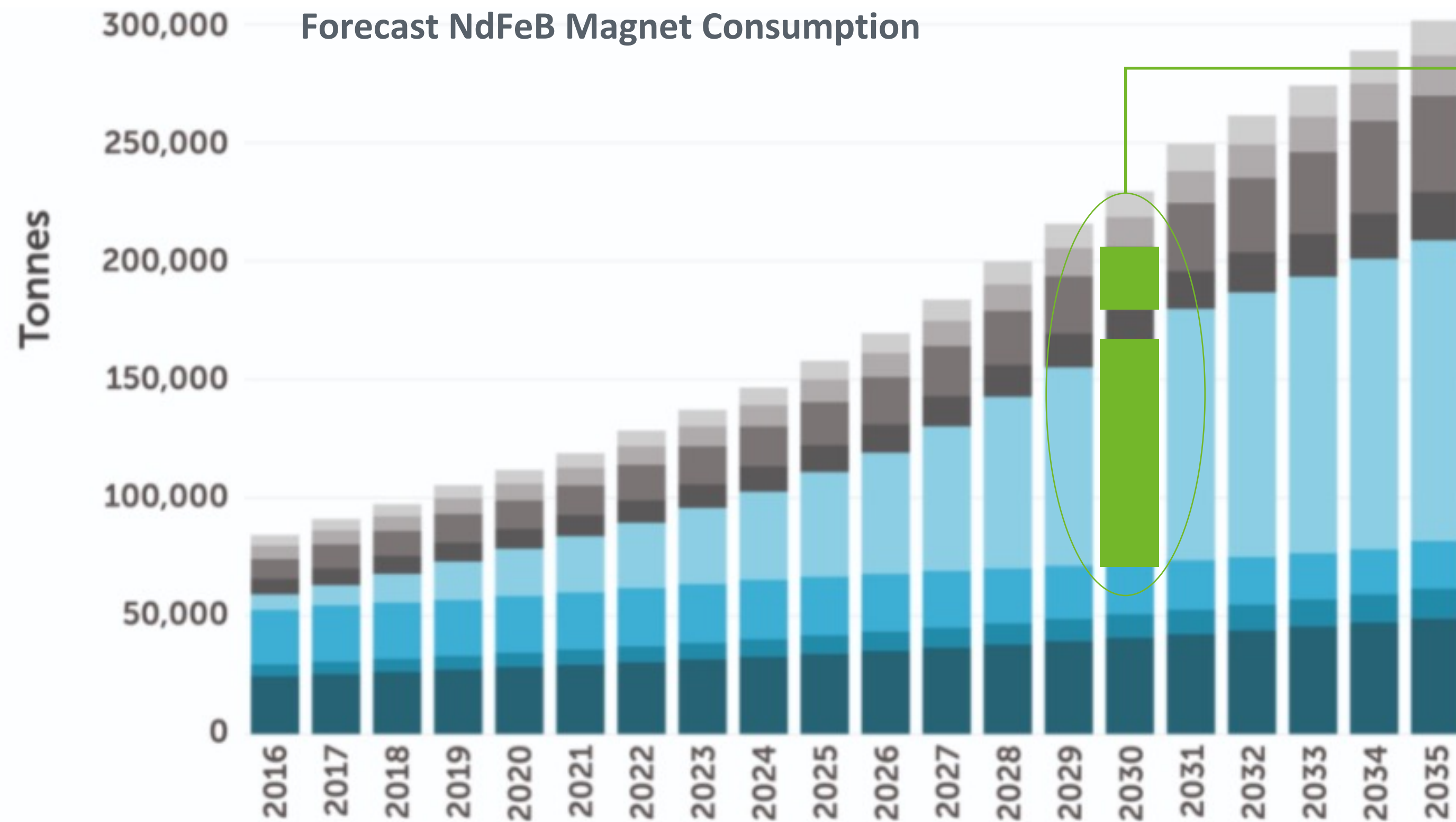
The REE magnet materials Nd and Pr have experienced more than **150% price increase** over the last 2 years.



Nd & Pr

Price Increase

- 1 Anticipated deficit of REE magnet supply
- 2 Fear for 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 easily disruptable supply chains
- 7 Underinvestment in ex-China value chains
- 8 Generally high ESG production footprint in China



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

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

NdPr OXIDE

2030 Market Imbalance.

GLOBAL DEFICIT

50,000 T

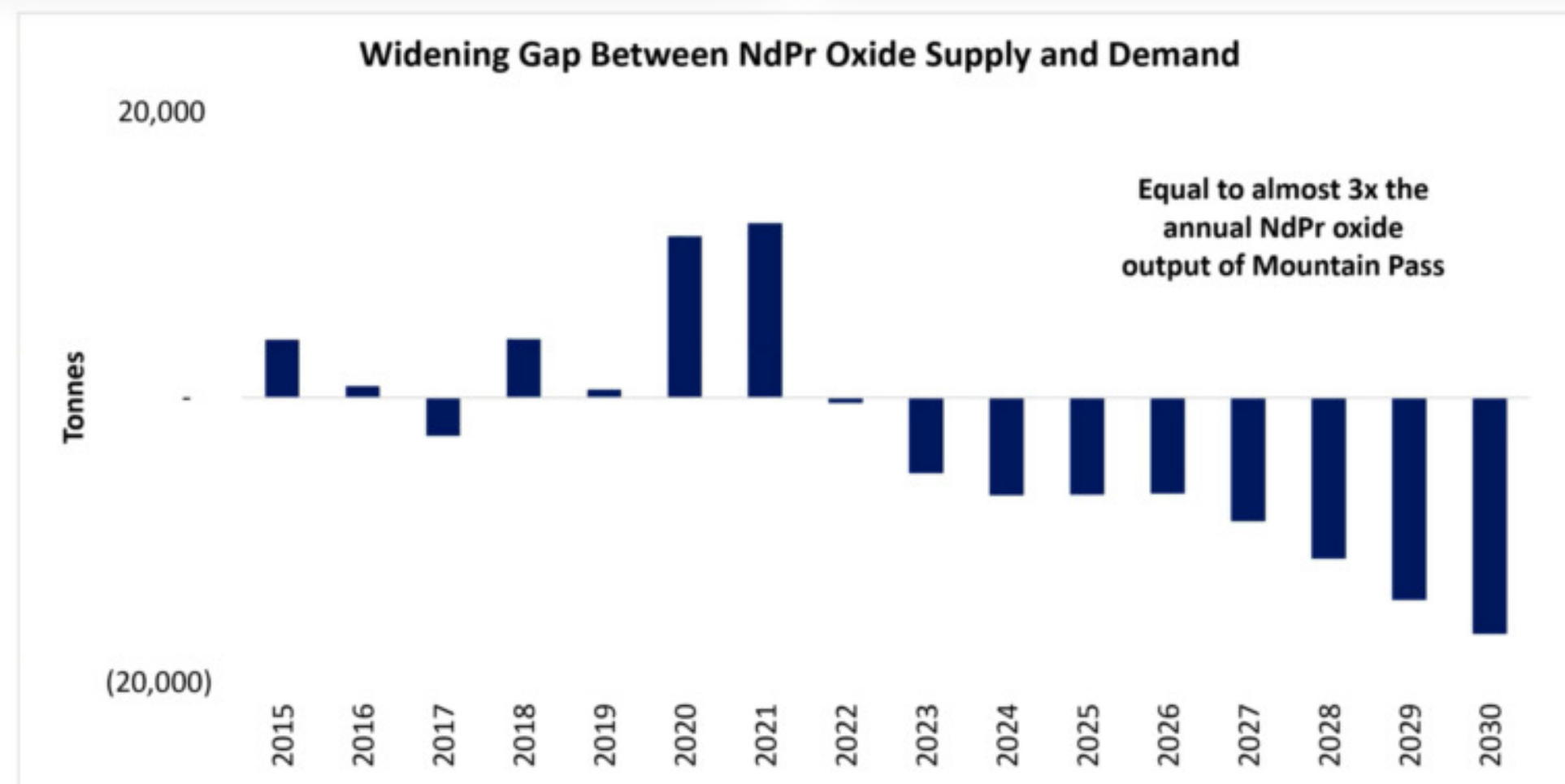
NdFeB PM
material by 2030



EQUALS

25,000 T

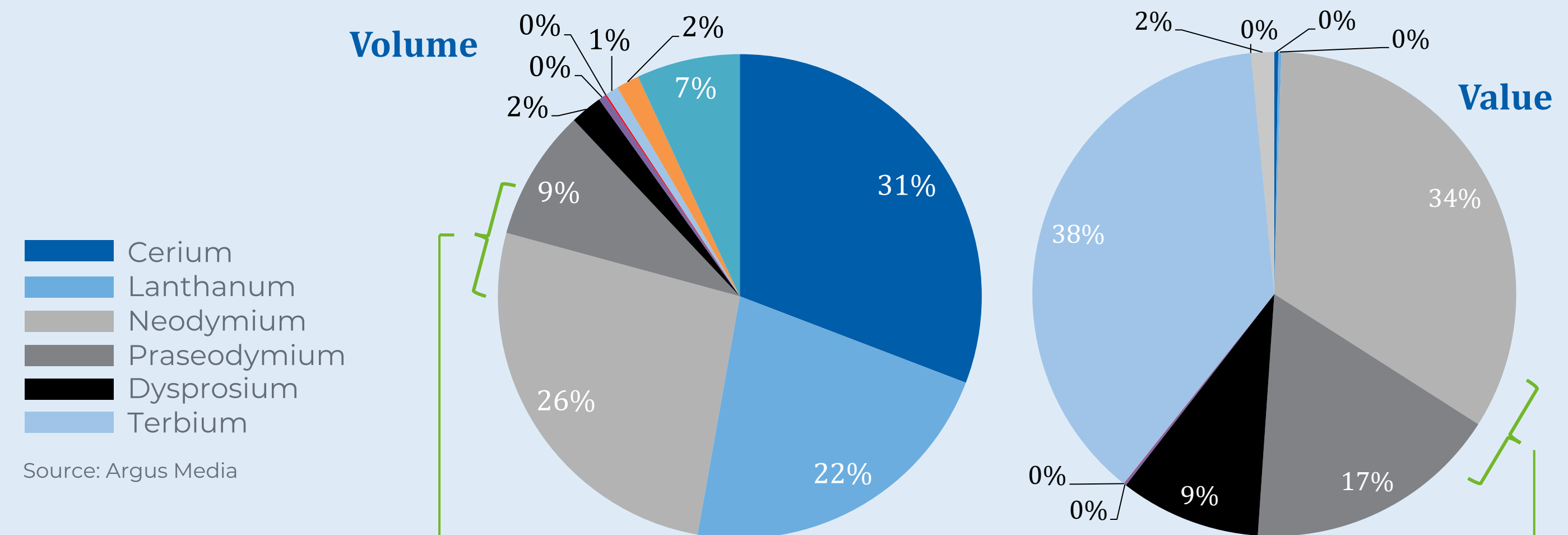
NdPr Oxide
(from new mining capacity)



* Supply = Production + Inventories

Source: Adamas Intelligence

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



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)

Aproportional demand, with expected supply deficit &
geopolitical concerns = high price = high value of NdPr

Board & Management Team



CEO GERMANY
ELBERT LOOIS

20+ years of management & consulting experience in developing sustainable supply and off-taking strategies. He has extensive experience in securing supply strategies for firms such as BMW, Volkswagen, Bosch, BASF and others.



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.



DAN WHITTAKER
MINING, CANADA



KEN MARSHALL
ENERGY, CANADA



EDWARD LOYE
GEOLOGY, UK



JOHN PHILPOTT
HUMAN RESOURCES, CANADA



CHRIS DRYSDALE
EXPLORATION, NAMIBIA

IN FINANCIAL PARTNERSHIP WITH



NUMUS
FINANCIAL

The management team has a proven track record in:
Exploration & Process Development, Downstream
Applications & Financing



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graph LR; Exploration[Exploration] --> Mining[Mining]; Mining --> Processing[Processing]; Processing --> Separation[Separation & Purification]; Separation --> Metals[Metals Processing / Making]; Metals --> Alloying[Alloying]; Alloying --> Manufacturing[Manufacturing]; Processing --> TREO[TREO, including NdPr Oxide]; Separation --> Purified[Purified NdPr Oxide]; Metals --> NdPrMetal[NdPr Metal]; Alloying --> NdFeB[NdFeB Permanent Magnets]; Manufacturing --> NdFeB
```

Exploration Mining Processing Separation & Purification Metals Processing / Making Alloying Manufacturing

TREO, including NdPr Oxide
(TREO= Total Rare Earths Oxide)
(Nd=Neodymium, Pr=Praseodymium)

Purified NdPr Oxide NdPr Metal NdFeB Permanent Magnets



[Read more](#)

Easy Physical Processability



Simple Mineralogy

- High grade TREO, close-to-surface mineralization
- Hosted in numerous broad carbonatite dyke swarms containing coarse grained monazite mineralization
- In-situ average grade range 4.8% TREO, as stated in maiden Inferred resource (NI43-101, Aug 2021)
- Additional exploration potential of up to 1.5 Mt for 1st combined drilling campaign, ended in Sep 2021 (source: SRK – CPR)

Simple Operations

- Targeted mechanized mining of dykes from open pits
- Pure monazite beneficiation by low-cost physical methods
- No hazardous chemicals or complicated beneficiation plant
- Off-the-shelf beneficiation equipment only
- Known technology for further processing of monazite concentrate

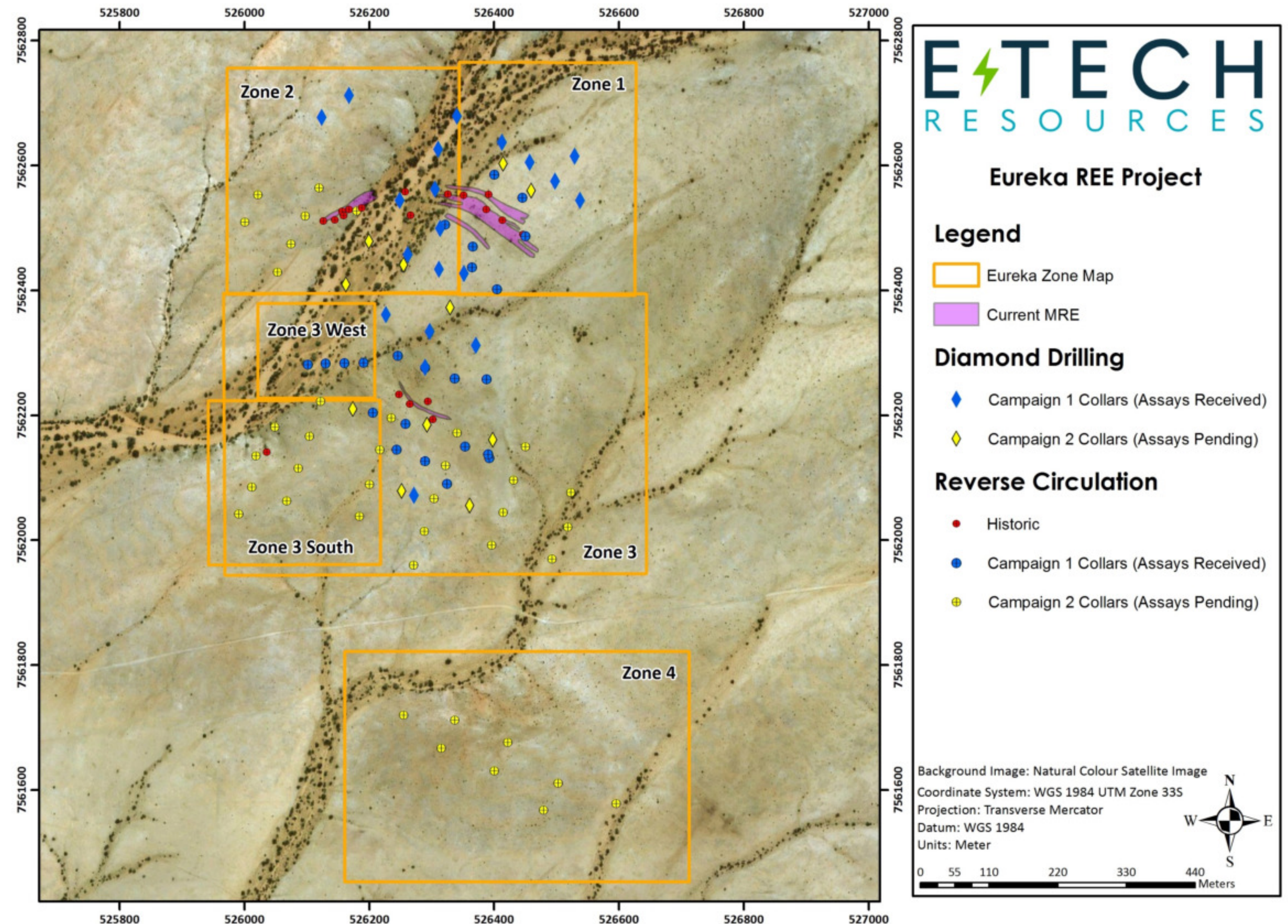
Easy Logistical Management

- Located in flat topography adjacent to the major highway
- Direct road and rail connections to Namibia's largest commercial port
- Meets international shipping requirements due to low radioactive content
- Access to power and water
- Experienced Board and Management, in-country and with access to offtake partners



PR HIGHLIGHTS

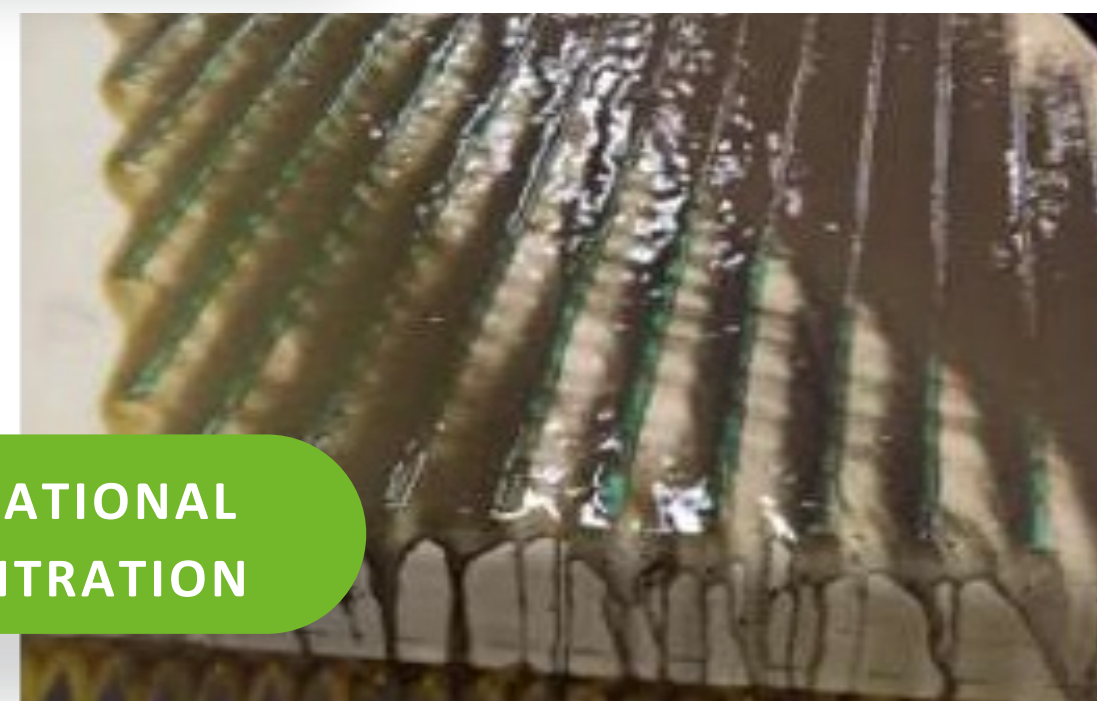
- [Nov 10, 2021](#) - Reporting High-Grade Diamond Drill Intercepts Up To 100 Meters Below Current Resource, Including 6.5% TREO Over 4 Meters
- [Dec 1, 2021](#) - Received Further High-Grade Assays And Expands The Mineralized Footprint
- [Feb 10, 2022](#) - Reports Diamond Drill Intercepts of REE Bearing Dykes Beyond the Current Resource at Its Eureka Project in Namibia
- [Mar 17, 2022](#) - Announces Final Assay Results of Phase 1 Diamond Drilling Programme and start of MRE Update



MONAZITE IN HOST
ROCK



GRAVITATIONAL
CONCENTRATION



MAGNETIC
SEPARATION



MONAZITE
CONCENTRATE



Results & MRE

Based on preliminary testing (SGS, 2016)

- ✓ Easy & close-to-surface geology
(monazite in carbonatite dykes)
- ✓ High-grade TREO
(average 5% in current MRE by SRK, Aug21)
- ✓ Easily processable



>65%

RECOVERY

>60%

TREO GRADE

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

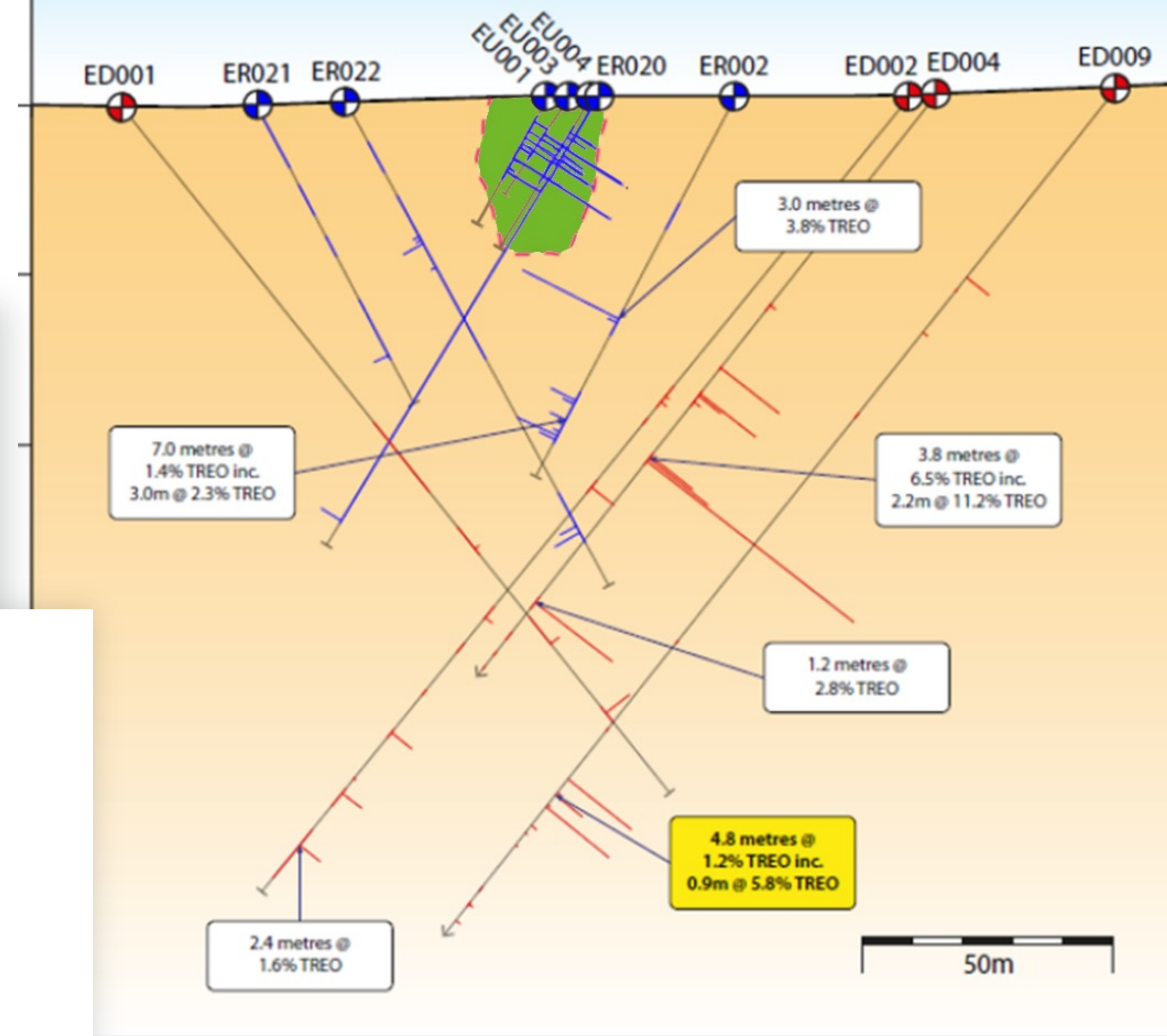
E+TECH
RESOURCES

TSXV: REE | FSE: K2i | APRIL 2022

B

MRE in preparation
to be disclosed in Q2/2022

Exploration Highlights
All assay results of 1st campaign received



Extent of current mineral resource estimate by SRK 2021.
Assay grade TREO from diamond core drilling Q2-Q3 2021.
Assay grade TREO from RC drilling in 2017 and 2021.

Feb 10, 2022 - Reports Diamond Drill Intercepts of REE Bearing Dykes Beyond the Current Resource at Its Eureka Project in Namibia

Milestone Planning



E-Tech Resources planned activities

2021

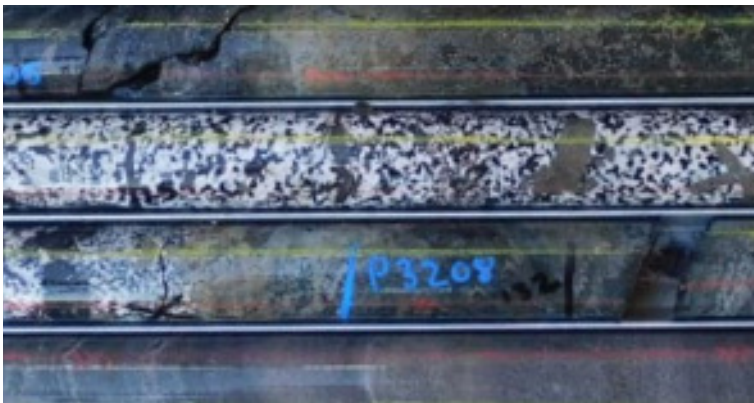


Q3 2021
Drilling Program
Campaign 1

2022



Q4 2021 - Q1 2022
Drilling Program
Campaign 2



Q2 2022
Mineralogical
Test work &
MRE Update

Onwards
PEA (preliminary economic assessment)

ESG Protocol

COMMITTED TO HIGHEST STANDARDS OF ENVIRONMENTAL, SOCIAL & CORPORATE GOVERNANCE



- EIA conducted by ASEC Namibia and a state approved
- Follow installed 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?

How many shares privately owned and publicly floated?

Where are you listed?

What is its current cash liquidity?

COMPANY DETAILS

Financials

By 100% Equity Capital

~ 75% (62mil) privately owned shares,
~ 25% (20mil) are floated on the stock exchange

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

\$5mil of liquidity at listing (21 October 2021),
of which still \$2m available as current cash,
at the end of the completed 2nd drilling
campaign

FACTORS FOR SUSTAINABLE PROJECT VALUE

Value Sustainability

FAVOURABLE GEOGRAPHY, INFRASTRUCTURE AND RESOURCE CHARACTERISTICS

- Close to road, railroad and coast; solar power potential
- Attractive low depth potential with enriched TREO grades
- 1st marketable product >60% TREO in mineral conc.
- Pure monazite concentrate with 17% NdPr content

EXCELLENT TECHNICAL PROCESSING CONDITIONS AND PRODUCTION STANDARDS

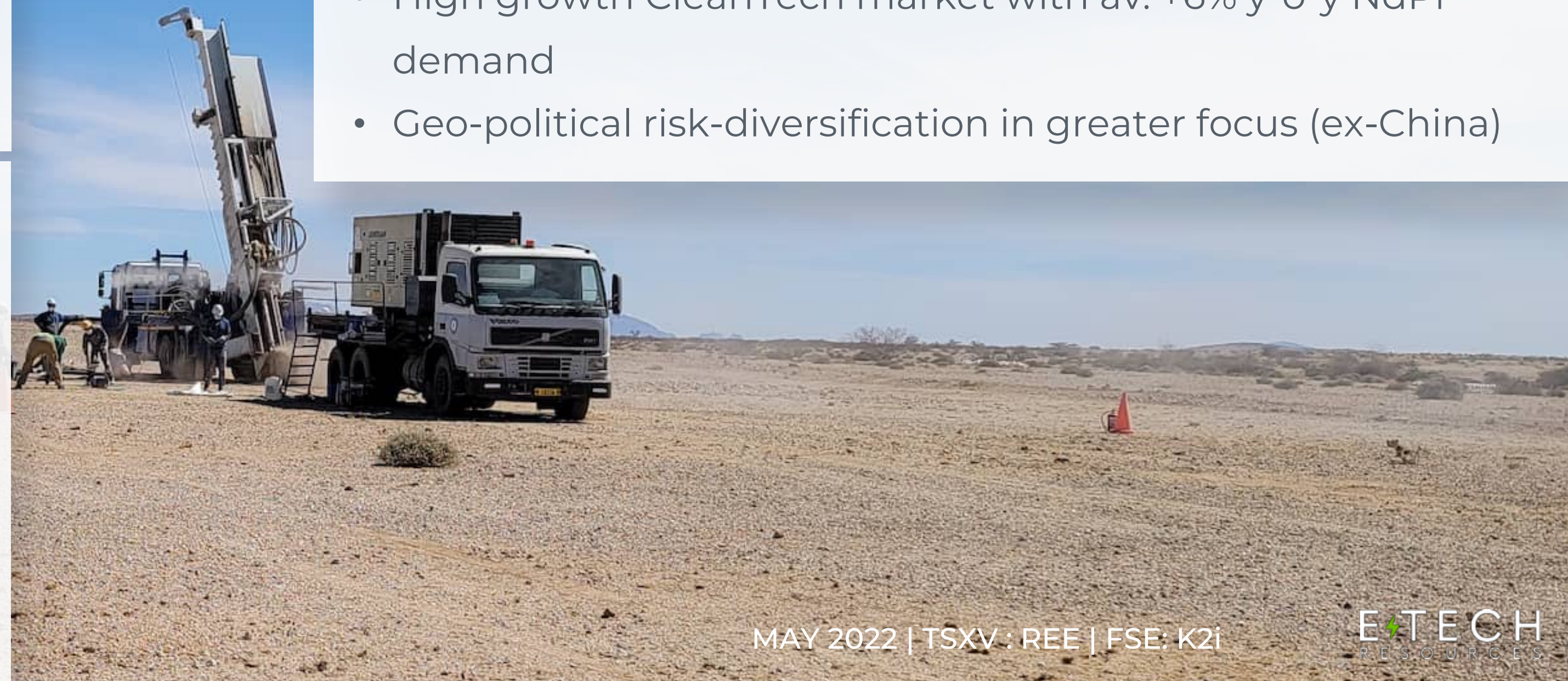
- Simple beneficiation and proven track record for refining
- Active research into >65% recovery and process efficiency
- High HSSE standards and lower range thorium content
- Favourable ore distribution and mineralogical composition

SUSTAINABLE PROJECT CONDITIONS ARE ACTIVELY MANAGED

- Namibia has mining favourable jurisdiction
- Striving for social inclusion in Erongo mining region
- No major negative socio-environmental impact expected
- Following responsible sourcing initiatives

HIGHLY COMPETITIVE MARKET POSITIONING & HIGH GROWTH MARKET DEVELOPMENT

- Cost competitiveness with high >60% TREO concentrate
- Attractively priced TREO contained mineral concentrate
- High growth CleanTech market with av. +6% y-o-y NdPr demand
- Geo-political risk-diversification in greater focus (ex-China)



THANK YOU

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contact@etech-resources.com

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