Powering the transition to a cleaner future

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

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

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

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

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

INTRODUCTION

WHY NEODYMIUM?

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

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

**Nd & Pr Price Increase**

TSXV: REE | FSE: K2i | MAY 2022

Source: Argus Media
Other includes MRI, elevator motor, magnetic separator, robotics and industrial applications.

**2030 Market Needs.**

<table>
<thead>
<tr>
<th>Category</th>
<th>2030 Market Needs</th>
<th>NdFeB – High-strength Neodymium Magnets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer Electronics</td>
<td>120,000 T/Y</td>
<td>EV – Electric Vehicle</td>
</tr>
<tr>
<td>Wind Turbines</td>
<td>60,000 T/Y</td>
<td>NdPr – Neodymium Praseodymium</td>
</tr>
<tr>
<td>Air Conditioning</td>
<td>300,000 T/Y</td>
<td>TREO – Total Rare Earth Oxide</td>
</tr>
<tr>
<td>Other E Mobility</td>
<td></td>
<td>PMSG – Permanent Magnet Synchronous Generator</td>
</tr>
</tbody>
</table>

**Forecast NdFeB Magnet Consumption**

- Projected demand of NdFeB for EV & Wind Turbines alone: 120,000 T/Y
  - NdPr Oxide (@ 0.5kg NdPr Oxide / 1kg NdFeB metal): 60,000 T/Y
  - TREO (@ 20% NdPr Oxide): 300,000 T/Y
  - Cracking Plants Units (@ 3000 t/y TREO, as in development by SRC, Canada): 100x
  - PMSG Wind Turbine Units (@ 5t NdPr Oxide / 16 MW PMSG unit): 6,000
  - BEVs (@ 1kg NdPr Oxide / 131 kW BEV motor): 30m+

Source: 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)

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

Volume

<table>
<thead>
<tr>
<th>Element</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cerium</td>
<td>31%</td>
</tr>
<tr>
<td>Lanthanum</td>
<td>22%</td>
</tr>
<tr>
<td>Neodymium</td>
<td>26%</td>
</tr>
<tr>
<td>Praseodymium</td>
<td>9%</td>
</tr>
<tr>
<td>Terbium</td>
<td>2%</td>
</tr>
<tr>
<td>Dysprosium</td>
<td>0%</td>
</tr>
</tbody>
</table>

*Source: Argus Media*

Globally, 25% of Nd and Pr origin will stem from Nd and Pr compounds (due to the demand for NdFeB PM for electrification & de-carbonization).

A proportional demand, with expected supply deficit & geopolitical concerns = high price = high value of NdPr.

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

Source: Adamas Intelligence
Company Details

Board & Management Team

CEO
Elbert Lois
Germany
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
Rob Randall
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.

CEO
Dan Whittaker
MINING, CANADA

Ken Marshall
ENERGY, CANADA

Edward Loye
GEOLGY, UK

John Philpott
HUMAN RESOURCES, CANADA

Chris Drysdale
EXPLORATION, NAMIBIA

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

In Financial Partnership With

Numus Financial

TSXV: REE | FSE: K2i | May 2022
One of the simplest rare earth element (REE) projects globally

What are we currently targeting at Eureka?

**TREO**, including NdPr Oxide

(TREO = Total Rare Earths Oxide)

(Nd = Neodymium, Pr = Praseodymium)

- **Purified NdPr Oxide**
- **NdPr Metal**
- **NdFeB Permanent Magnets**

Collaborate on process development for Rare Earth Cracking and Separation

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
**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

**Exploration Highlights**

All assay results of 1st campaign received Feb 10, 2022 - Reports Diamond Drill Intercepts of REE Bearing Dykes Beyond the Current Resource at its Eureka Project in Namibia

MRE in preparation to be disclosed in Q2/2022
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)

COMPANY DETAILS
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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

MAY 2022 | TSXV : REE | FSE: K2i
How is the project funded?
By 100% Equity Capital

How many shares privately owned and publicly floated?
~ 75% (62mil) privately owned shares, 
~ 25% (20mil) are floated on the stock exchange

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

What is its current cash liquidity?
$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
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

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

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