

An Emerging Supplier of Heavy Rare Earths Critical Minerals for the Future



IPO Presentation

Proposed ASX:DY6



April 2023

Lead Manager

Highlights

- Option to acquire <u>100%</u> of 3 highly prospective Heavy Rare Earths & Critical Metals Projects in Southern Malawi, a proven region for hosting economic REE deposits:
 - Machinga HREEs and Nb-Ta-Zr
 - Salambidwe HREEs and Nb-Ta
 - Ngala Hill Pd-rich PGEs, Cu & Ni
- Includes near surface high-grade historical drilling and workings
- Significantly underexplored **potential to define new mineralised zones**
- Initial exploration to focus on significant historical REE drill results
- Walk-up Drill ready targets ~5,000m of initial drilling (DD & RC) planned to follow listing at Machinga Main Zone
- No royalties payable for the acquisition
- IPO Cornerstones total of \$2.5m committed
- Experienced management and in-country team
- Planned listing on the ASX targeting End Q2 2023
- Attractive & Stable Mining Jurisdiction hosting major REE/critical metal deposits, incl.:

Lindian Resources (ASX:LIN)	"Kangankunde" is a rare earths project of potential global significance with the carbonatite host having outstanding grades of up to 237,000 ppm (23.7%) TREO. 14 x share price increase in 12-months
Globe Metals (ASX:GBE)	"Kanyika" JORC 2012 Combined Mineral Resource of 68.3Mt Nb2O5 (ppm) positioned to be the first niobium mine in Africa
Mkango Resources (TSX/AIM: MKA)	"Songwe Hill " carbonatite-hosted total Measured and Indicated JORC 2012 Resource of 21Mt at 1.41% TREO
	"Kasiya" is the world's largest natural rutile deposit IORC 2012

Sovereign Metals (ASX:SVM)

"Kasiya" is the world's largest natural rutile deposit JORC 2012 Mineral Resource of 1.8Bt at 1.01% rutile (resulting in over 18Mt tonnes of contained natural rutile) with graphite by-product JORC 2012 Mineral Resource of 1.8Bt at 1.32% graphite (containing over 23Mt of graphite)



Board of Directors





Mr Dan Smith Non-Executive Chairman

Mr Smith holds a Bachelor of Arts, is a Fellow of the Governance Institute of Australia, and has over 15 years' primary and secondary capital markets expertise.

He is a director and co-founder of Minerva Corporate, a boutique corporate services and advisory firm. He has advised on and been involved in over a dozen IPOs/RTOs on the ASX, AIM and NSX.

Mr Smith is currently non-executive director for several companies on AIM/ASX operating in the resources sector, with a focus on critical minerals, and has been heavily involved in project origination and evaluation.

Mr Myles Campion Non-Executive Director

Mr Campion has over 30 years' experience in the natural resources sector, including exploration geology, resource analysis, fund management, equities research and project and debt financing.

He started his career as an exploration and mining geologist in Australia covering base metals and gold, that included being the Project Geologist at LionOre responsible for the exploration, discovery and BFS completion of the Emily Ann Nickel Sulphide Mine.

Mr Campion's financial experience ranges from Australian and UK equities research through to project and debt financing in London and Fund Manager for the OEIC Australian Natural Resources Fund for 5 years in Perth.

He has been the Executive Director of Europa Metals Ltd since August 2020 and is a Non-Executive Director at Katoro Gold PLC.

Mr Campion has an M.Sc. in Minerals Exploration from the Royal School of Mines in London and B.Sc. Honors in Geology from University of Wales College Cardiff.

Mr John Kay Non-Executive Director

Mr Kay is an experienced corporate lawyer and corporate adviser. He has over 15 years' experience in equity capital markets, M&A and resources gained through both private practice and inhouse roles in Australia and the UK.

He currently operates a corporate advisory practice, Arcadia Corporate, which provides corporate advisory and capital raising services to listed and unlisted companies in the small cap mining sector.

He has previously held a number of nonexecutive and company secretarial roles for ASX listed mining and energy companies and has advised on over a dozen IPOs/RTOs on the ASX.

Mr Kay holds a Bachelor of Laws from the University of Western Australia and is admitted to practice as a lawyer in Western Australia and England & Wales.

Dr Nannan He Non-Executive Director

Dr He has over 10 years' experience in geosciences, chemical material trading, exploration and resources investment. Via her investment vehicle, Woodsouth Asset Management, she has been actively examining exploration and resource projects worldwide and has built strong networks, particularly in the Southeast Asian market.

Dr He holds a PhD in Geochemistry from Curtin University, a MS in Geochemistry from Hokkaido University, and a BS in Mineral Resource Exploration from Jilin University.

Technical Team





Dr Eric Lilford Technical Consultant

A mining engineer and a minerals and energy economist, with over 30 years' experience in various senior and executive roles in mining, investment banking, consulting and academic roles. He has multi-commodity expertise and has had operations and government experience across most African mining countries.

Dr Lilford is a member of the international Rare Earths Standards Committee, ISO Australia, and is on the Experts Panel for the IMF.

Mr Allan Younger Technical Consultant

Geologist with 40+ years' experience in all facets of the resources industry and most commodities. Specialist explorer highly experienced in target generation and project generation.

Advanced expertise in multi-element geochemistry application and Interpretation. Has worked for a number of large international and junior mining and exploration companies, within Australia and internationally, both as employee, contractor or consultant.

Currently exploration manager for White Cliff Minerals (ASX:WCN), a mineral explorer focussing on rare earths and lithium exploration in Western Australia.



Mr Hilton Banda Malawian Technical Consultant

Mr Banda runs an experienced Malawian geological, geotechnical, mining and environmental consultancy, Akatswiri Mineral Resources, which will assist the Company's executive management team in Malawi.

Akatswiri are based in Zomba, southern Malawi, only ~50kms from the Company's Machinga project.



Cornerstones: total of <u>\$2.5m</u> committed

- Zhenshi Group (HK) (\$1.5m) a Hong Kong based investment group engaged in glass fibre manufacturing, wind power base material, special steel and composite new materials
- Zhung Nam New Material Company (\$1m) a Hong Kong based investment group that focusses on the mining, beneficiation, processing and sale of heavy mineral sands and rare earths

	Min \$5m Shares	Max \$7m Shares	Options	Perf. Rights
Current	12,500,000	12,500,000	6,000,000	1,500,000
Vendors	8,000,000	8,000,000		3,000,000
Lead Manager			3,000,000	
Public Offer @ \$0.20	25,000,000	35,000,000		
TOTAL	45,500,000	55,500,000	9,000,000	4,500,000
Market Cap	\$9,100,000	\$11,100,000		
Enterprise Value	\$3,400,000	\$3,500,000		
	Min \$5m	Max \$7m		
Board	16%	13%		
Other Shareholders	29%	24%		
IPO Shareholders	55%	63%		
TOTAL	100%	100%		

*Options to pre-IPO investors, founders and Directors are exercisable at 25c each and expire within 4 years of issue **Options to the Lead Manager are exercisable at 30c each and expire within 3 years of issue ***Performance Rights milestones:

Milestone 1: tenement application APL0251 being granted as a new exploration licence within two (2) years from the date of Settlement;

Milestone 2: completion of at least 2,000m of drilling on the Tenements within two (2) years from the date of Settlement; and

Milestone 3: DY6 delineating a JORC or NI 43-101 compliant Mineral Resource on the Tenements of a minimum of 5Mt and having a minimum grade of 0.75% TREO + Nb2O5 within four (4) years from the date of Settlement.

Distribution

Current Shareholders - 27%

Vendors - 18%

IPO Public Offer - 55% (Cornerstones ~27%)

Transaction Terms

Option to acquire <u>100%</u> of the Projects for:

\$17.5K deposit

- \$87.5K inground expenditure pre-IPO
- \$155K cash on Listing (includes buyout of existing royalties)
- \$1.6m in IPO Shares on Listing
- \$600K in Performance Rights (3 tranches)

No royalties payable

Indicative Timetable

Lodgement of ProspectusEarly April 23Opening Date of OfferEarly April 23

Closing Date of Offer

Issue of Securities under Offer

Expected Date for Listing on ASX

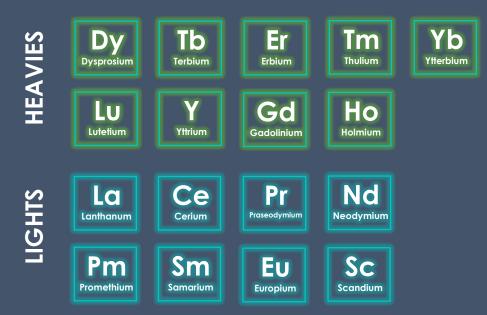
End May 23

Early June 23

Early May 23

*Based on the minimum subscription and on an undiluted basis **Consideration above is given in AUD (note, subject to changes in exchange rate with USD)

There are two types of REEs



REEs are also in demand for high-end military defence applications



Visors & Protection



Anti-Missile Defence

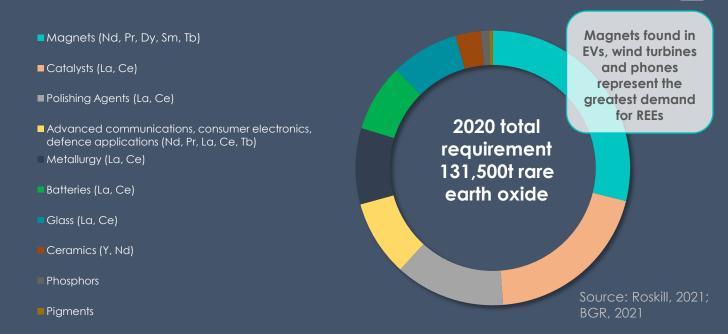




Missile guidance →x systems



REEs are in demand for a variety of uses



Permanent Magnets – Wind Energy and EV Motors

Permanent magnets are critical for the 'Energy Transformation'

- Used in generators for wind turbines enable wind turbines to reduce overall weight, cost of other components, maintenance costs and improves reliability and efficiency.
- Used in traction motors for electric vehicles outstanding properties give greater efficiency and range.
- Increase motor strength and reduce energy consumption of home appliances and air conditioning units.

Rare Earth magnets are forecast to account for ~40% of total REE demand by 2030, up from 29% in 2020 – Roskill, 2021

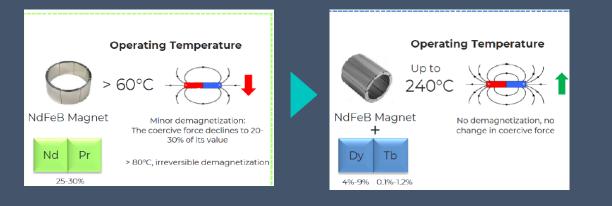
REE's Critical for Permanent Magnets

4 REE have permanent magnet power



The importance of heavy rare earths (HREE)

- HREE are needed in order to complement LREE in a highperformance magnet
- Dy & Tb are used to improve a magnet's resistance to demagnetization, allowing for higher working temp
- EV motor operating temperature varies between 180°C to 240°C



Heavy REEs are rarer and more valuable

US\$/Kg - 8 March 2023



What is the market opportunity?

The move towards electrification and decarbonisation is undoubted – PERMANENT MAGNETS play a critical role which creates strong long-term demand for key magnet minerals



Dy and Tb are critical minerals in the supply chain for high end magnet uses



Batteries are critical as they store energy, but **permanent magnets transform that energy into kinetic energy**

- Permanent magnets and catalysts responsible for ~65% of global RE demand by volume, and permanent magnets only, ~95% by value (in 2021)¹
- Value of magnet RE market is expected to triple by 2035¹

Dy and **Tb** are key components in the manufacture of performance technology solutions for clean energy

• High-end uses such as wind turbines and EV motors are expected to have higher demand growth

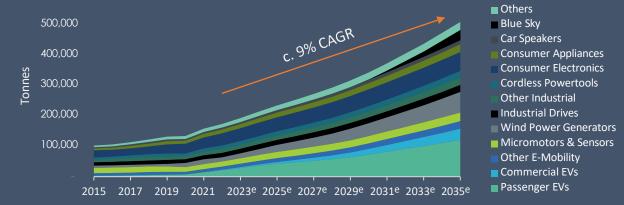
Not enough Dy and Tb to source projected demand forecasts

 By 2035, expectation of a shortage equal to 2-3x 2021 global output¹

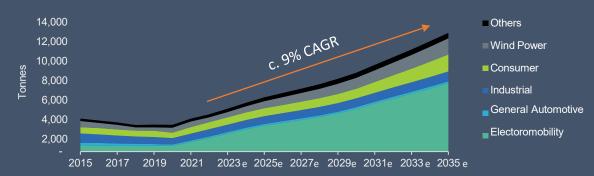
Current geographical concentration supports creating an ex-China supply chain for these high-end magnetic uses

 China and Myanmar currently responsible for >90% of global Dy/Tb mine production and >99% is refined in China¹

World NdFeB Magnet Demand by End-Use



Dy and Tb Oxide Demand



Huge emerging demand for Nb in Li-ion batteries Why is Niobium important for Li-ion battery development?

Niobium addresses almost all of the major barriers to EV adoption

Barriers to EV adoption

Niobium's Role

Consumers worry that an EV will not travel as far as an ICE vehicle and that performance will vary	RANGE ANXIETY	Niobium helps increase the energy density of batteries, giving more power and increased range, and improves performance at low temperatures.
Charging times can vary significantly depending upon the car and charging station but can take several hours	CHARGING TIME	Niobium materials can increase the rate with which batteries charge and discharge.
Batteries have a relatively short operating life as materials degrade during charge/recharge cycle	PERFORMANCE/LONGEVITY	Niobium increases the stability of the battery so it can withstand more charging cycles.
Even with subsidies, BEVs are more expensive than equivalent ICE vehicles	COST (\$)	Niobium is readily available and cost effective compared to other battery materials
There are few BEVs on the market	CHOICE	This is changing rapidly

Niobium production has risen ~25% over the past 7 years, with major producer (CBMM) recently announcing a 4.5X increase in niobium oxide production capacity to cater for increasing demand from the electric vehicle battery sector.

Heavy Rare Earth Players - Peer Comparison

	NORTHERN MINERALS	Australian Strategic Materials		TEXAS MINERAL RESOURCES CORP.	R W NAMIBIA CRITICAL METALS	LEADING EDGE MATERIALS	E DY6 METALS
Company	Northern Minerals ASX:NTU	Australian Strategic Materials ASX:ASM	American Rare Earths ASX:ARR	Texas Mineral Resources OTCQB:TMRC	Namibia Critical Metals TSXV:NMI	Leading Edge Materials TSXV:LEM	DY6 Metals ASX Proposed:DY6
Location	Western Australia	New South Wales	Arizona, USA	Texas, USA	Namibia	Sweden	Malawi
Project name	Browns Range	Dubbo	La Paz	Round Top	Lofdal	Norra Karr	Machinga
Status	Producer	Developer	Developer	Developer	Developer	Developer	Explorer
Hard Rock / Clay	Hard Rock	Hard Rock	Hard Rock	Hard Rock	Hard Rock	Hard Rock	Hard Rock
Resource Mt	9.2	75.2	170	1,050	42.6	31.6	N/A
Contained REO kt	62	662	80	525	72	190	N/A
TREO Grade %	0.7%	0.74%	0.04%	0.055%	0.17%	0.6%	~0.7-1%*
HREE: TREO% Ratio	87%	<50%	79 %	72%	53%	52%	39%
Dy Tb Grade % / ppm	~650ppm	<50ppm	~100ppm	~35ppm	~100ppm	~500ppm	4-500ppm
Market Cap. ^{1,2}	A\$218m	A\$323m	A\$125m	USD\$95m	CAD\$27m	CAD\$33m	A\$10.9m

¹Based on share price as at 21 February 2022.

²Note, these entities may have additional projects and/or are listed on different stock exchanges and therefore the Market Capitalisation and Enterprise Value may not necessarily be an accurate representation or comparison to that of DY6 and should not be relied upon for investment purposes.

³ Note, this is an estimate and for information purposes only. The estimate is based on publicly available historical drill hole and trench sampling data previously undertaken by Globe Metals & Mining Ltd (A\$X:GBE).

Malawi – Stable, Transparent Jurisdiction

Member country of the Commonwealth



Attracting significant mining investments



Demonstrable aspiration for mining (new mining Code 2019)



Significant mineral endowment, notably: rare earths, mineral sands, uranium, niobium, tantalum and graphite in a country **substantially underexplored**



Excellent existing operating infrastructure



TANZANIA Mala Northern ZAMBIA MOZAMBIQUE Malawi Central Lilongwe Southern

Developed Regional Infrastructure



The Projects may benefit in the future from access to rail, port and supporting infrastructure with a pit-toport solution for exporting products to global markets



The railway line from Liwonde has been recently upgraded and is operating at 30% capacity, meaning there is plenty of scope for new supply to come on



The port of Nacala is Mozambique's most northerly port in a large and sheltered bay 60m deep and 800m wide at the entrance



Lindian Resources – 14 x increase in 12 months!

Kangankunde "The King" - Malawi

- Lindian's "Kangankunde Project" in Malawi is arguably the world's best undeveloped REO project. Previously owned by Lynas Rare Earths (ASX:LYC)
- A major resource in potential, size, grade and quality
- Considered one of the world's largest rare earth operations outside of China
- A carbonatite with Rare Earth Oxide (REO) up to 23.7%¹
- Well understood asset & significant historical work
- Close to established infrastructure = road, power, water and rail
- Recent drilling demonstrated²:
 - outstanding high grades of up to 11.8% TREO showing continuous rare earths mineralisation over the entire length of holes from surface
 - Critical battery metal elements of neodymiumpraseodymium (NdPr) ratio of 21% of TREO content
 - mineralisation very low in uranium and thorium

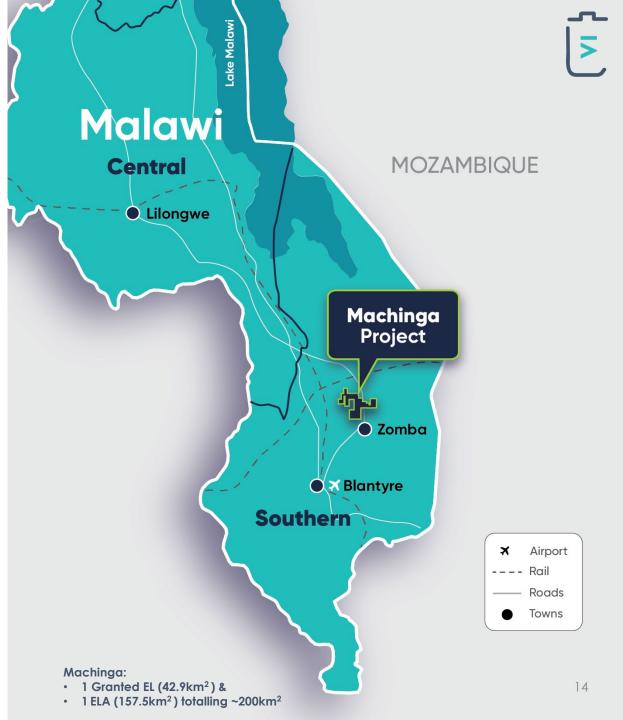


*Past 12 months ASX:LIN share price (current to 13 January 2023)

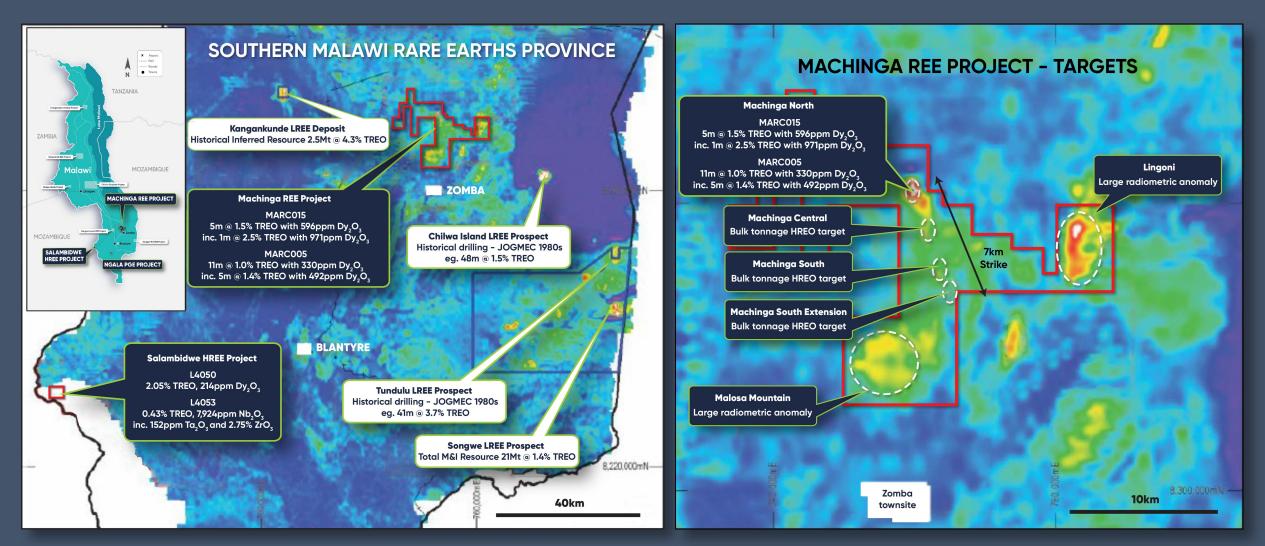
¹Refer to ASX announcement dated 3 November 2022 ²Refer to ASX announcement dated 5 January 2023 ³As of 10 January 2023

Machinga – HREE, Nb, Ta, Zr

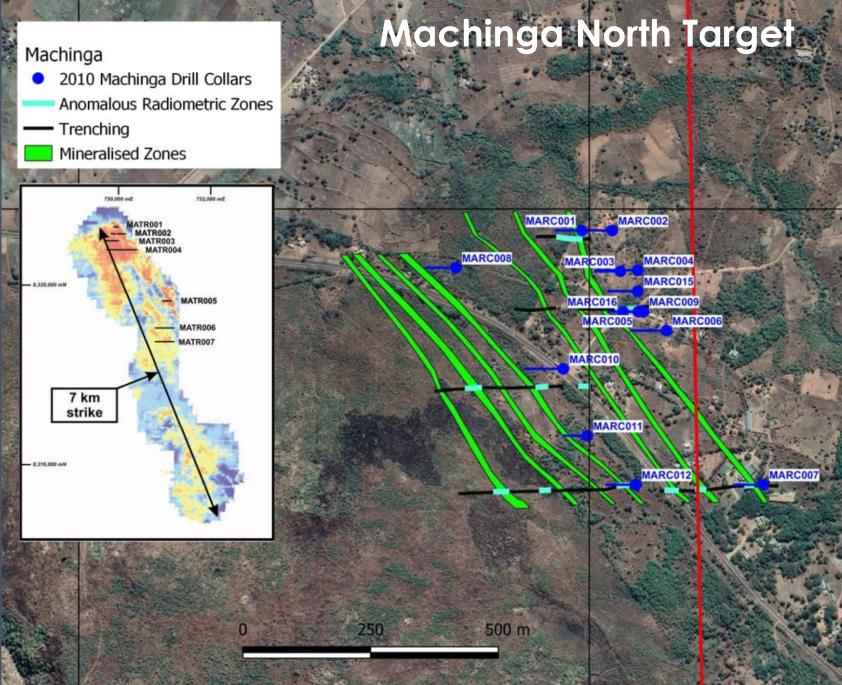
- High-grade heavy rare earth oxides (HREOs) and Nb-Ta-Zr, near surface
- ~40km east of Lindian's (ASX:LIN) Kangankunde Project
- 2010 trenching program (Machinga North) included:
 - MATR001: 7m @ 1.26% TREO
 - MATR002: 33m @ 0.71% TREO
 Inc.: 11m @ 1.00% TREO with 0.46% Nb₂O₅
- 2010 drill program (Machinga North) included:
 - MARC005: 11m @ 1.0% TREO with 330ppm Dy2O3 (from 12m)
 Inc.: 4m @ 1.4% TREO with 492ppm Dy2O3 (from 19m)
 - MARC015: 5m @ 1.5% TREO with 596ppm Dy2O3 (from 26m)
 Inc.: 1m @ 2.5% TREO with 971ppm Dy2O3 (from 27m)
- Very high ratio of HREO:TREO, peak 39%, average 33%
- Very high ratio of Dy₂O₃:TREO, peak 3.9%, average 3.3%
- Particularly enriched in the high value Dysprosium (Dy) and Terbium (Tb), but also Thulium (Tm), Ytterbium (Yb) and Lutetium (Lu) occurring in high grades
- Majority of zones open along strike and down dip
- **7km radiometric anomaly** registering a 2.7 by 0.3km on the main target zone (Machinga North)
- Machinga North is just one of six targets within the overall concession
- A 2013 soil program at Machinga North (southern zone) reported up to 3,258ppm Nb2O5, 120 ppm Ta2O5 and 3,518ppm TREO
- Conveniently located along the major Lilongwe –Zomba highway, good infrastructure



Machinga – Target Areas



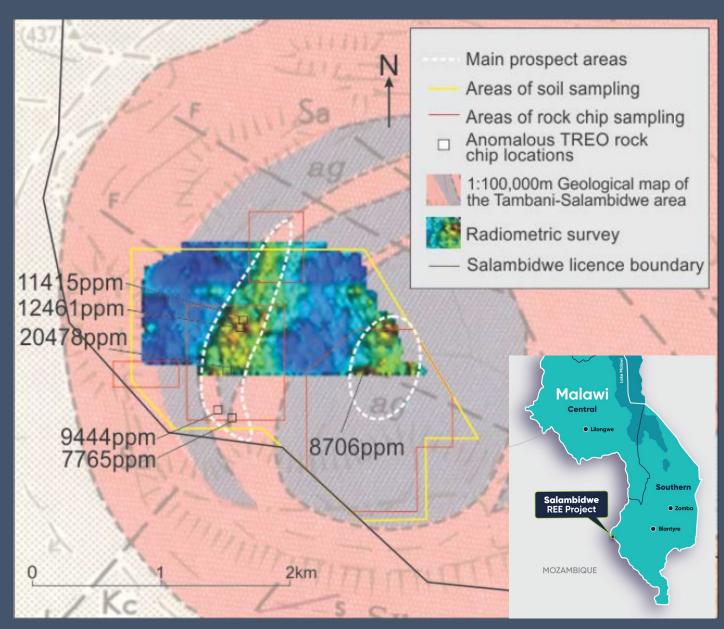
Machinga North is just one of the seven targets within the concession. Southern Malawi is clearly prospective for REEs, and radiometric anomalism is the known pathfinder.

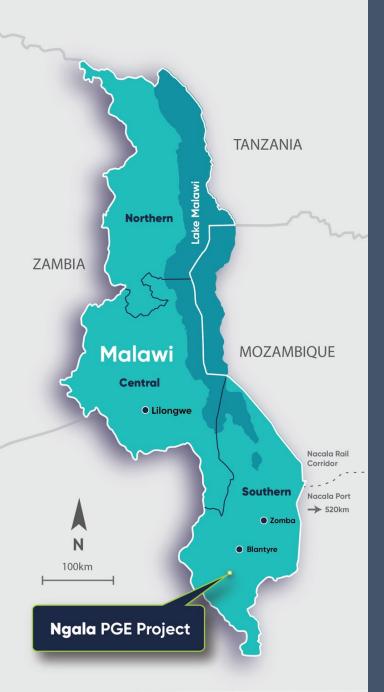


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Salambidwe – HREE, Nb, Ta

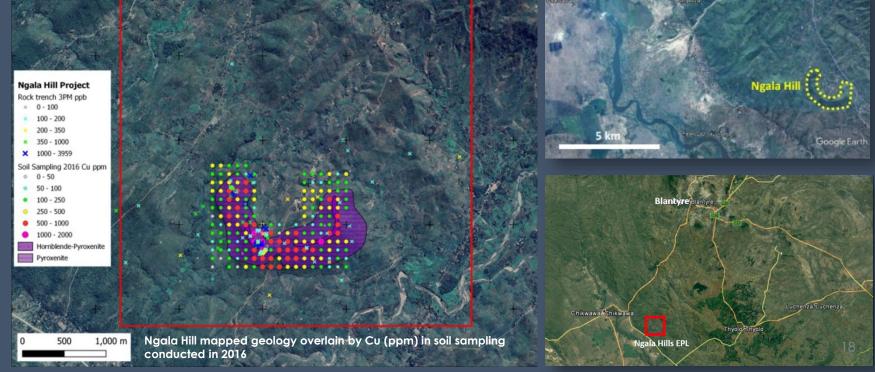
- Granted EL, Area: 24.9km²
- The Salambidwe Project is a virgin rare earth prospect with **limited previous exploration**
- Previous rock chips results include: 2.05% TREO inc. 214ppm Dy_2O_3
- The Project represents a low-cost, high upside potential exploration opportunity
- The Salambidwe Ring Complex forms part of the Chilwa Alkaline Suite of southern Malawi that also hosts the Kangankunde Deposit (2.5Mt @ 4.2% TREO), Machinga REE Project and numerous other REE prospects
- The complex is approximately six kilometres in diameter (**approximately 85% occurs within the licence**) and is dominated by syenite and nepheline syenite with a core of agglomeratic rocks
- These alkaline rock suites are known hosts to a variety of different economic commodities including copper, iron, titanium, niobium, thorium, uranium, REEs, barium, fluorine, phosphorous and other rare or incompatible elements





Ngala Hill – PGE, Cu & Ni

- Granted EL, Area: 16.4km²
- Outcropping ultramafic chonolith with widespread Pd-Pt-Au-Cu mineralisation that is palladium-rich
- No significant modern exploration including no electromagnetics (EM) to target higher-grade massive sulphides ever undertaken
- 3 zones of palladium rich Pd+Pt+Au+Cu mineralisation have been identified
- Main mineralised zone never been drilled
- Massive sulphides identified in outcrop with grades up to 4.0g/t Pd+Pt+Au and 0.7% Cu in saprolite or saprock. Significant potential for increased PGE grade in fresh rock (i.e., Julimar deposit)
- Proximal to the Nacala rail/ port corridor and grid power
- Numerous other regional targets



Use of Funds

Funds available	Min \$5m	Percentage of Funds (%)	Max \$7m	Percentage of Funds (%)
Funds raised Pre-IPO (Completed)	\$705,400	12%	\$705,400	9%
Funds raised from the IPO Offer	\$5,000,000	88%	\$7,000,000	91%
Total	\$5,705,400	100%	\$7,705,400	100%

Anticipated use of funds	Min \$5m	Max \$7m
Exploration	3,025,000	3,925,000
New Project Eval.	570,000	800,000
Working Capital	1,040,000	1,565,000
Costs of the Offer	540,400	665,400
Admin. Costs	530,000	750,000
Total	\$5,705,400	\$7,705,400

The above table is a statement of current intentions as of the date of this Presentation. As with any budget, intervening events (including exploration success or failure) and new circumstances have the potential to affect the manner in which the funds are ultimately applied. The Company reserves the right to alter the way funds are applied on this basis.

Indicative Exploration Program Post-listing





Investment Summary

Initial public offering Raising \$5-7m ASX listing Targeting End Qtr. 2 2023 Short term news flow DD & RC drilling to immediately follow listing

Shares on issue 45.5m (min) Enterprise value Low EV - ~\$3.4m Market Cap \$9.1m (min)

Positioned for long-term growth Strong commodity price environment with HREEs in high demand Experienced Management Experienced management and incountry team

Cornerstone Commitment Cornerstone IPO commitments of \$2.5m

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Competent Person Statement

The information in this presentation that relates to Exploration Results is based on information compiled by Allan Younger who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Younger has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Younger consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

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Proposed ASX:DY6

