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Forward-looking statements are subject to a variety of risks and uncertainties, which could cause actual events, level of activity, performance or results to differ materially from those reflected in the forward-looking statements, including, without limitation : (i) risks related to rare earth elements, and other commodity price fluctuations; (ii) risks and uncertainties relating to the interpretation of exploration and metallurgical results; (iii) risks related to the inherent uncertainty of exploration and cost estimates and the potential for unexpected costs and expenses; (iv) that resource exploration and development is a speculative business; (v) that the Company may lose or abandon its property interests or may fail to receive necessary licences and permits; (vi) that environmental laws and regulations may become more onerous and risks related to adverse weather or climate events; (vii) that the Company may not be able to raise additional funds when necessary; (viii) the possibility that future exploration, development or mining results will not be consistent with the Company's expectations including risks relating to inaccurate geological, metallurgical and engineering assumptions; (ix) exploration and development risks, including risks related to accidents, equipment breakdowns, labour disputes or other unanticipated difficulties with or interruptions in exploration and development; (x) competition; (xi) the potential for delays in exploration or development activities or the completion of geologic reports or studies; (xii) the uncertainty of profitability based upon the Company's history of losses; (xiii) risks related to environmental regulation and liability; (xiv) risks associated with failure to maintain community acceptance, agreements and permissions (generally referred to as "social licence"), including local First Nations and risks relating to the impact of Covid-19 or other viruses and diseases on the Company's ability to operate (xv) risks relating to obtaining and maintaining all necessary government permits, approvals and authorizations relating to the continued exploration and development of the Company's projects; (xvi) risks related to the outcome of legal actions; (xvii) political and regulatory risks associated with mining and exploration; (xix) risks related to current alobal financial conditions; and (xx) other risks and uncertainties related to the Company's prospects, properties and business strategy. These risks, as well as others, could cause actual results and events to vary significantly. Factors that could cause actual results to

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#### Market & Industry Data

The information contained herein includes market and industry data that has been obtained from third party sources, including industry publications. The Company believes that its industry data is accurate and that its estimates and assumptions are reasonable, but there is no assurance as to the accuracy or completeness of this data. Third party sources generally state that the information contained therein has been obtained from sources believed to be reliable, but there is no assurance as to the accuracy or completeness of included information. Although the data is believed to be reliable, the Company has not independently verified any of the data from third party sources referred to in this presentation or ascertained the underlying economic assumptions relied upon by such sources. Not for Distribution; No Offering This is for information purposes only and may not be reproduced or distributed to any other person or published, in whole or part, for any purpose whatsoever. This does not constitute a general advertisement or general solicitation or an offer to sell or a solicitation to buy any securities in any jurisdiction. Such an offer can only be made by prospectus or other authorized offering document. This presentation and materials or fact of their distribution or communication shall not form the basis of, or be relied on in connection with any contract, commitment or investment decision whatsoever in relation thereto. No securities commission or similar authority in Canada or any other jurisdiction has in any way passed upon the adequacy or accuracy of the information contained herein. You should not rely upon this document in evaluating the merits of investing in our securities or for understanding our business.

### The Critical Role of Rare Earth Elements

Rare earth elements are critical to modern technologies and permanent magnets essential to the net-zero transition



### **Automotive**

- Electric Vehicle
   Motors
- Catalytic converters



### Power Generation

- Wind turbines
- Other power generators



## Aerospace/ Defense

- Plane Motors
- Submarines
- Guidance equipment
- Thermal barrier coatings



### Robotics/ Electronics

- Robotics
- Computer screens
- Smartphones
- Batteries
- Hard drives



## Chemicals / Catalysts

- Optical-quality
   glass
- Air pollution control



### Healthcare

- MRI scanners
- CT scanners



### Agriculture

- Farm equipment motors
- Fertilizers



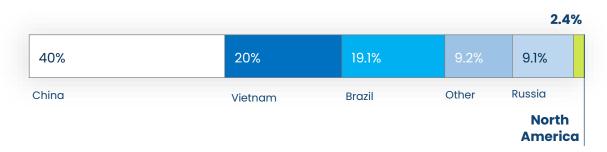
# China Dominates The Rare Earths Supply Chain

China Dominates Every Step of the Rare Earth Supply Chain: From Mining and Beneficiation, to Smelting and Producing NdFeB Magnets

### Rare Earth Elements 2023 Global Production



#### Rare Earth Elements 2023 Global Reserves

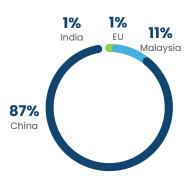


### **Refining & Metal Making**



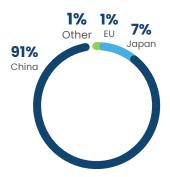


• Rare Earth Alloy



#### **Downstream Materials**

- Permanent Magnet Material
- Catalyst Material



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## Critical Minerals Are A Key Policy Focus For **Governments**

Geopolitical tensions driving Western Governments, including Canada, to invest in critical minerals development and supply chains

### **Escalating Geopolitical Tensions**



25% tariff on rare earths permanent magnets, tantalum and hafnium from China



Export controls / bans on select critical and rare earth metals to

the US, including elements essential for applications like semiconductors and aerospace engines (gallium, germanium, antimony)

Most recent export controls announced in February 2025 as a response to proposed US tariffs on China

Ban on export of rare earths separation and processing technology

### Canada's Critical Minerals Strategy

\$192M

Program

\$1.5B

Critical Minerals

Infrastructure

Fund

\$1.5B Strategic

Innovation Fund

minerals

Critical Minerals Research, allocation for critical

Critical Minerals Geoscience & Development & Data Initiative Demonstration

\$79M

30%

Critical Minerals **Exploration Tax** Credit

### **Select Deployments**

















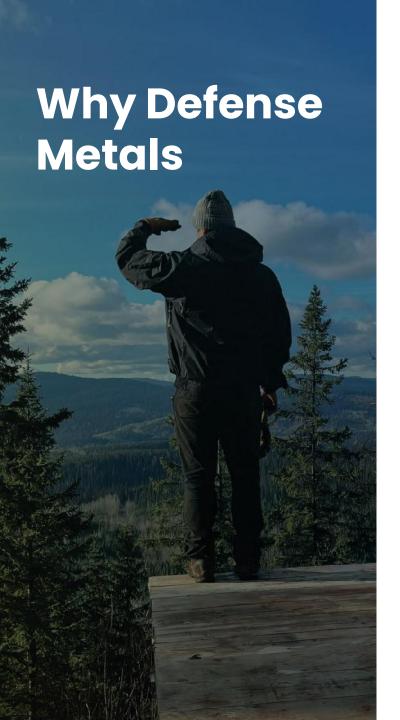








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### Developing Canada's Premier Rare Earths Deposit

Deposit high in Neodymium (Nd) and Praseodymium (Pr) located near Prince George and in close proximity to existing infrastructure

# Large Reserve and Favorable Mineralogy

Large, proven resource for potential long life mine and high-grade rare earths at surface with low strip ratio

### **Attractive Valuation**

One of the lowest Price-to-Net Asset Value (P/NAV) ratios in Canadian critical minerals, highlighting a substantial opportunity for growth

# Robust Economics with High Operating Margins

PFS shows pre tax NPV US\$1.8 billion and 24.6% IRR at the highest operating margins for rare-earths projects globally

### **Strong Leadership**

Board and Senior Management with extensive experience in rare earths and strong relationships with Western governments (Canada, United States and the European Union)

### Flexibility to Optimize Project

Stage 1 opportunity to produce 25,000 tpa of concentrate at >50% TREO (comparable to global producers) while Stage 2 is being completed

# Strategic Location With Access To Infrastructure

- Strategically positioned 80 km from Prince George and accessible from a major forestry service road, which connects to Highway 97
- The 100% owned 11,800-hectare Wicheeda deposit, has power transmission lines, a gas pipeline and a major rail line nearby
- Prince George, British Columbia, is a mining centre, with a skilled workforce
- Port of Prince Rupert is 500km to the west and accessible by rail and road



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## Large Proven Reserve and Resource

		Grade > Cutoff			
Category	Tonnes (Million)	TREO¹ (%)	<b>TREO</b> (kT)	<b>Nd<sub>2</sub>O<sub>3</sub></b> (ppm)	Pr <sub>6</sub> O <sub>11</sub> (ppm)
Proven & Probable <sup>2</sup>	25.5	2.4	619	2,661	961
M+I	29.2	2.3	662	2,512	901
Inferred	5.5	1.4	78	1,709	590

Note: Wicheeda is the only rare earth deposit in North America with current reserves other than Mountain Pass which is in production.

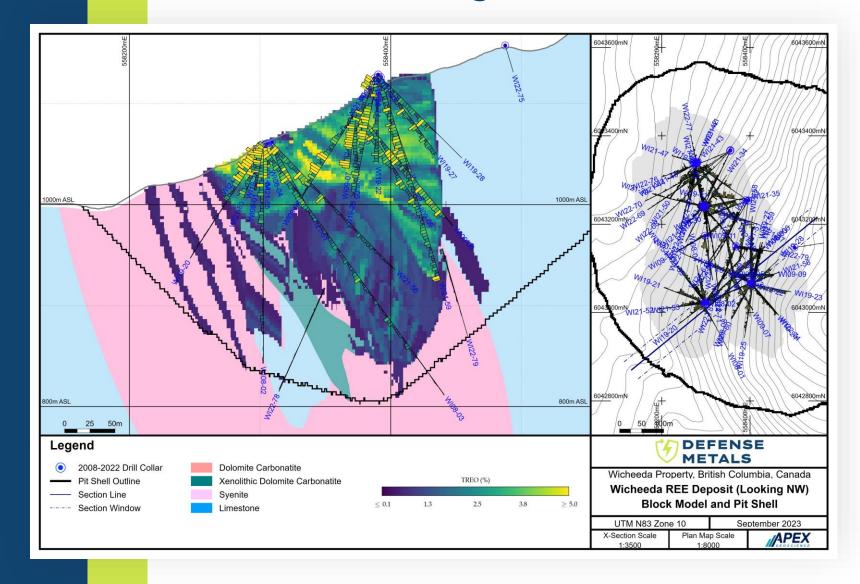
Comparable Projects					
Project	Tonnes (M+I Million)	TREO¹ (%)			
Nolans (Arafura)	39.0	2.8			
Wicheeda	29.2	2.3			
Mt. Weld (Lynas)	28.5	6.6			
Mountain Pass (MP)	24.4	6.2			



<sup>1.</sup> Refer Defense Metals News Release Dated February 18, 2025

<sup>2.</sup> Proven and probable reserves are a subset of M+I

## **High-Grade TREO at Surface**



- Low strip ratio for mining 3.3:1
- Higher grades near surface lead to quicker payback



# High Grade Concentrate is Comparable to Global Producers

Project	Stage	Grade (% TREO)	Flotation Concentration Grade and Recovery	Mineralogy
Wicheeda Canada	PFS Complete	<b>2.3%</b> <sup>1</sup>	50% TREO, 60-80% recovery	Bastnaesite + Monazite
Mt. Pass (MP Materials, MPNYSE) <sup>2,3</sup> USA	Producer	8%	60% TREO, 67% recovery	Bastnaesite
Mt. Weld (Lynas Corp., LYC-ASX) <sup>2,3</sup> Australia	Producer	7%	40% TREO, 70% recovery	Monazite
Bayan Obo <sup>2,3</sup> China	Producer	6%	50% TREO, 60% recovery	Bastnaesite, Monazite
Sichuan <sup>4</sup> China	Producer	3.7%	50% - 60% TREO	Bastnaesite
Nolans (Arafura, ARU-ASX), Western Australia	Construction Phase	2.77%	<10% TREO	Monazite

<sup>1.</sup> See Defense Metals News Release Dated February 18, 2025

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<sup>2.</sup> Verbaan, N., Bradley, K., Brown, N., and Mackie, S., 2015 A review of hydrometallurgical flowsheets considered in current REE projects. In: Simandl G.J. and Neetz, M. (Eds.). Symposium on Strategic and Critical Materials Proceedings. November 13-14, 2015, Victoria, BC EMPR, BCGS Paper 2015-3, pp. 147-162

<sup>3.</sup> These are commercial operations, and the results of Defense Metals' current results are from controlled lab testing and are not comparable

<sup>4.</sup> Ling ZHI LI, Xiaosheng YANG, ERES2014

# Ability To Optimize Project In Two Stages

### Stage 1: Beneficiation Plant

- Potential for early revenue generation with mineral concentrate as Stage 2 is being developed
- High-grade (50% TREO) comparable to global producers today



### Stage 2: Hydrometallurgical And Initial Separation Plant

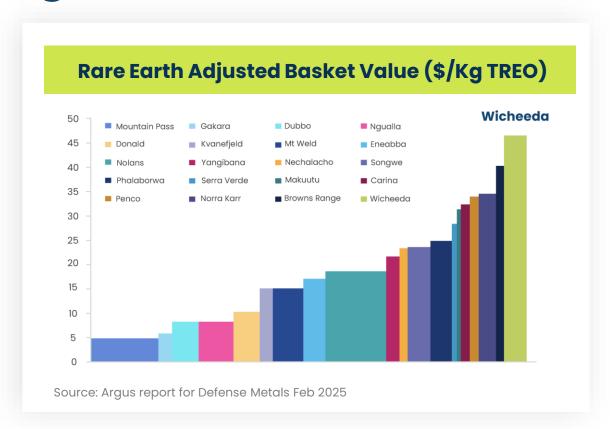
- Final product from
  hydrometallurgical and initial
  separation plant includes highvalue precipitate
- High operating margins and basket value from removal of low-value cerium and lanthanum



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# Robust Economics with High Operating Margins

PFS Economics – Feb 2025				
NPV Pre Tax	US\$1.8 billion			
NPV Post Tax	US\$1.0 billion			
Payback Post Tax	3.7 years			
IRR Pre Tax	24.6%			
IRR Post Tax	18.9%			
LOM Margin / kg TREO	71%			
Revenue price for Breakeven (NdPrO equivalent in MREC)	\$37.42/kg			



- Final product from hydrometallurgical and initial separation plant includes high-value precipitate
- Removal of low value cerium and lanthanum drive high operating margins due to no associated penalties from separators

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## Rare Earths Benchmarking

Company Name	Asset Name	Country	Study and Date	Market Capitalization (C\$M)	P/NAV (x)
Rare Element Resources	Bear Lodge	USA	Pre-Feas 2014	\$512	0.68x
Northern Minerals	Browns Range	Australia	Feas – exp 2025	\$145	0.27x
Arafura	Nolans	Australia	Feas - 2025	\$370	0.25x
Hastings Technology Metals <sup>1</sup>	Yangibana	Australia	Feas - 2023	\$63	0.23x
Lindian Resources <sup>2</sup>	Kanganhunde	Malawi	Feas - 2024	\$103	0.13x
Defense Metals	Wicheeda	Canada	Pre-Feas - 2025	\$44	0.04x
Peak Resources <sup>3</sup>	Ngualla	Tanzania	Bank Feas - 2023	\$39	0.03x
Avalon Advanced Materials <sup>2</sup>	Nechalacho	Canada	Feas - 2013	\$18	002x
Median					0.25x

Note: Median is exclusive of Defense Metals

1. Based on proportional ownership

2. Multi commodity and / or innovative technology 3. Used over \$200/kg pricing for NdPr in their study

## Strong Leadership Team

### Mark Tory | President & CEO

Seasoned mining executive with over three decades in the resource sector. Mark has extensive international experience in mining, with 10 years in rare earths, including serving as CEO of Northern Minerals, a heavy rare earth development company.

### Guy de Selliers | Executive Chairman

A highly experienced business leader with a background in engineering and finance, Guy has served on the boards of a number of large companies, including mining companies. He was also the Chairman of one of the largest regulated insurance companies in Belgium.

## Michelle Tanguay | Lead, Environment and Social Performance

A mining industry leader with over 25 years' experience in environmental programs, permitting, and social performance, holding senior roles with companies such as GT Gold, Newmont, and Argonaut Gold.

### Dale Wallster | Director

A successful prospector and geologist with a track record of high-value mineral discoveries. Dale brings over 30 years of exploration experience and has led the advancement of significant projects across multiple commodities.

### Dr. Luisa Moreno, Ph.D. | Director

An expert in strategic and critical minerals with a PhD in physics engineering. Luisa advises global institutions on rare earths and emerging tech metals.

### Suzanne Rich Folsom | Director

An internationally recognized authority on corporate governance, compliance, and ESG. Suzanne has served as General Counsel for Fortune 100 companies.

### Ted Kavanagh | Director

A seasoned banking professional with over three decades in metals and mining finance, he served as Director of Metals & Mining Finance (Americas) at Société Générale until 2021.

### John Goode | Metallurgical Consultant

A world-renowned metallurgist with decades of experience in rare earth and specialty metals. John specializes in process design and optimization.

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## Financial Snapshot

### **Capital Structure**

As of July 3, 2025

Share Price (July 3): C\$0.20

Market Cap: C\$69.4M

**Analyst Coverage** 



330.5M

Common Shares Issued and Outstanding

20.6M

Share Purchase Warrants Outstanding

16.2M

Incentive Stock Options O/S 367.3M

**Fully Diluted** 

~7%

Management and Insider Ownership

Note: The convertible shares automatically convert upon a capital raising of >C\$4m

