# DEFENSE METALS

# Delivering Critical Metals to Meet National Security + **Green Technology Needs**



sit www.sedarplus.ca and the company's website at www.defensemetals.com

# The Critical Role of Rare Earth Elements - Applications

#### AGRICULTURE

#### Farm equipment motors Fertilizers

70%

China

## AUTOMOTIVE

Electric vehicle motors Catalytic converters

#### AEROSPACE / DEFENSE

Plane motors Submarines

Guidance equipment Thermal barrier coatings

Australia | Myan

6% 5

Othe

14.3%

America

North

#### **CHEMICALS**/ CATALYSTS

Optical-quality glass Air pollution

control

**MRI** scanners

**HEALTH CARE** 

**CT** scanners

## **Computer screens** Smartphones

**ELECTRONICS** 

**Batteries** 

#### POWER **GENERATION**

Wind turbines Other power generators

Hard drives

## **Rare Earth Elements** Global Production 2022

#### Rare Earth Elements 2022 Global Reserves (Estimate)

nmar						
<mark>7%</mark> 4%	33.8%	16.9%	16.1%	16.1%	14.7%	2.4%
er	China	Vietnam	Brazil	Russia	Other	North America

## Leading North America's Supply Chain

Targeting annual production of 25,000 tonnes REO, ~10% of current global production

		Supply Chain				
		Mining & Mineral Upgrade	Cracking	Separation		
<b>Production</b> (tonnes REO)	Country	Ore Conc	Mixed Chemical Conc	Separate Oxides		
140,000	China	China	China	China		
38,000	USA	USA	China	China		
30,000	Myanmar	Myanmar	Myanmar, China	China		
25,000	WICHEEDA	CANADA	PFS UNDERWAY	TO BE STUDIED		
17,000	Australia	Australia	Malaysia	Malaysia, China		
3,000	India	India	India	India		
2,700	Russia	Russia	Estonia	Estonia		
4,000	Madagascar	Madagascar	China	China		
2,000	Thailand	Thailand	Thailand	Thailand		
1,000	Brazil	Brazil	Brazil	Brazil		
1,000	Vietnam	Vietnam	Vietnam	Vietnam		
500	Burundi	Burundi	China	China		

## **Resource Estimate** August 2023

### Capital Structure as of May, 2024

Shares Outstanding	258.6M
Warrants	26.5M
Options	24.7M
Fully Diluted	309.8M

## **Experienced Management**

## + Board

**Craig Taylor** CEO + Director

Dr. Luisa Moreno, Ph.D. President + Director

John Goode, P.Ena. Metallurgical Consultant

Ryan Cheung, CPA, CA CEO

Alex Heath, CFA, ICD.D VP Corporate Development

Kristopher Raffle, P.Geo. NI 43-101 Qualified Person

John Robins, P.Geo. Strategic Advisor

Karl T. Wagner Strategic Advisor

**Rita Bennett** Advisor

**Martin Cronin** Director

Ted Kavanagh Director

**Guy de Selliers** Director

Len Clough Director

Andrew Burgess Director

**Dale Wallster** Director

		Grade > Cutoff											
Category	Tonnes (Million)	TREO² (%)	<b>TREO</b> (KT)	<b>CeO₂</b> (%)	La₂O₃ (%)	<b>Pr<sub>6</sub>O<sub>11</sub></b> (%)	<b>Nd₂O₃</b> (%)	<b>Sm₂O₃</b> (ppm)	<b>Gd₂O₃</b> (ppm)	<b>Eu₂O₃</b> (ppm)	<b>Dy₂O₃</b> (ppm)	<b>Tb<sub>4</sub>O<sub>7</sub></b> (ppm)	<b>Ho₂O₃</b> (ppm)
Measured	6.4	2.86	183	1.39	1.00	0.11	0.31	312	139	63	35	12	4
Indicated	27.8	1.84	516	0.89	0.62	0.07	0.21	232	111	50	32	10	4
M+I	34.2	2.02	699	0.98	0.69	0.08	0.23	247	116	52	32	10	4
Inferred	11.1	1.02	113	0.50	0.31	0.04	0.13	166	91	38	35	9	5

See Defense Metals News Release Dated September 12, 2023

#### Forward-Looking Statements

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