



An Advanced US Magnet Material Company

Corporate Presentation

May 2025

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Forward-looking statements also include projected Rare Earth Element (“REE”) metals prices, estimated tonnes of mineral ore, estimated kilograms of REE metals, contingent resources attributable to the Hoidas Lake Rare Earth Elements Project (the “HLREE Project”), the midstream processing facility operated by the Saskatchewan Research Council (“SRC”), and the downstream critical metals and alloys operations of PMT Critical Metals Inc. (“PMCM”), anticipated in situ and enterprise value per tonne of the minerals in the ground, estimated capital costs, estimated all-in-sustainable costs of the mine (AISC), average ore grades, gross estimated mine production rates, gross and net profits, anticipated returns on invested capital, anticipated investment performance, projected return on investment (ROI), projected internal rate of return (IRR), projected net present value (NPV), projected economics, estimated ultimate recoverable kilograms of strategic minerals, including refined and alloyed products manufactured by SRC and PMCM, estimated fair value of the HLREE Project resource upon execution of each planned pre-development phase, projected holding period to a liquidity event, and prior performance by the management team members, including prior value creation, along with other performance results. These forward-looking statements are only predictions and, accordingly, are subject to substantial risks, uncertainties, and assumptions. Certain factors may cause results to differ materially from those anticipated by some of the statements made herein.

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This presentation of the HLREE Project, including all midstream and downstream components such as SRC and PMCM, is confidential and for authorized use only. Under no circumstances are its contents to be reproduced or distributed to the public, media, potential investors, or competitors without prior written authorization. Any unauthorized use, disclosure, circumvention, or reliance on this material, whether in whole or in part, is strictly prohibited and may be subject to legal recourse.

REalloys Inc. (REA) at a Glance

An Integrated Advanced US Magnet Material Company



REalloys Inc. (REA) Mission

Integrated magnet materials & magnet producer for high-performance **“US Protected Markets”** including the US National Defense Stockpile (NDS), US Defense Industrial Base (DIB), US Nuclear Industrial Base (NIB), Robotics, Electric Aviation and Critical Infrastructure Industries and for US Partner Countries with Defense Treaties, Alliances & Agreements

- 1 REA has secured a fully-integrated North American rare earth element (REE) magnet material supply chain to produce high-performance Neodymium-based (NdFeB) permanent magnets and Samarium-Cobalt (SmCo) permanent magnets for US Protected Markets, including the US National Defense Stockpile (NDS) & US Defense Industrial Base (DIB)⁽¹⁾
- 2 REA’s Euclid Magnet Facility (“EMF”) located in Ohio is fully-permitted and is producing magnet materials & magnets for US Protected Markets including contract works for the Defense Logistics Agency (DLA), US DoE’s AMES National Laboratory (AMES) and companies in the US REE industry⁽²⁾
- 3 Commencing in Q2 2025, REA is expanding EMF production for US Protected Markets – Phase I 500tpa NdFeB magnet material & magnet production, completion Q1 2026, expanding to Phase II 1,000tpa NdFeB magnet material & magnet production in 2028
- 4 Signed MOU with the Saskatchewan Research Council (“SRC”) to utilize the SRC REE Processing Facility (“SRC Facility”)⁽³⁾ located in Saskatchewan, Canada, and supply EMF with REE oxides & metals
- 5 REE feedstock for SRC Facility & EMF to be supplied from REA’s Hoidas Lake REE Project (“HLREE Project”), Brazil REE monazite mine and North American recycled REE magnet material. The Brazil mine and recycled REE magnet feed are both operational.
- 6 REA’s 100%-owned HLREE Project is located in Saskatchewan, Canada and has a S-K 1300 total resource of 3.8Mt at 2.0% TREO. High-value light magnet REEs Nd+Pr comprise 26.8% of TREO & heavy magnet REEs Dy+Tb comprise 0.52% of TREO.



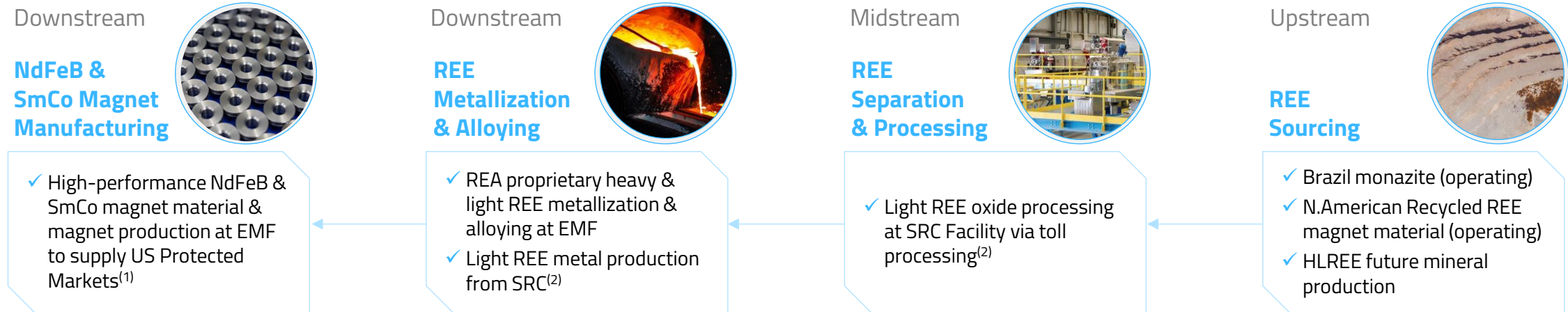
(1) Includes Raytheon, General Dynamics, GE Aerospace, Lockheed Martin, among others.

(2) DLA supplies contracts for the National Defense Stockpile (NDS). Contracted prices on non-bid sole supplier basis. AMES National Laboratory is a government-owned, contractor-operated national laboratory of the US DoE.

(3) REA announced on May 19, 2025, that it has signed an MOU with the Saskatchewan Research Council (SRC) on a strategic collaborative relationship with the intent of integrating SRC’s midstream processing technology within REA’s supply chain.

Secured Fully-Integrated North American Magnet Material Supply Chain

REA Integrated Supply Chain at a Glance



Phased-Approach to REA NdFeB Magnet Expansion

Phase I

500 tonnes p.a.
NdFeB Magnet
Materials & Magnets
by 2026

Phase II

1,000 tonnes p.a.
NdFeB Magnet
Materials & Magnets
by 2028

REA Signed MOU with SRC for Midstream Processing⁽²⁾

REalloys

SRC SASKATCHEWAN
RESEARCH COUNCIL

- REA has signed an MOU with the SRC on a strategic collaborative relationship
- REA to utilize the SRC's state-of-the-art REE processing facility & proprietary technology to supply EMF with REE oxides & metals

- **Low expansion capex with accelerated timelines** to rapidly scale and supply the high-performance magnet needs of US Protected Markets⁽¹⁾



High-Performance Magnets & Protected Markets Overview

Supplying High-Performance Magnet Materials for “US Protected Markets”

REA is focused on providing high-performance magnet materials & magnets for US Protected Markets with its integrated and verified US North American supply chain

Protected Markets include:

- US National Defense Stockpile
- US Defense Industrial Base & Nuclear Industrial Base
- Robotics
- Electric Aviation
- High-end industrial markets such as designated critical infrastructure & energy industries
- US Partner Countries with Defense Treaties, Alliances & Agreements

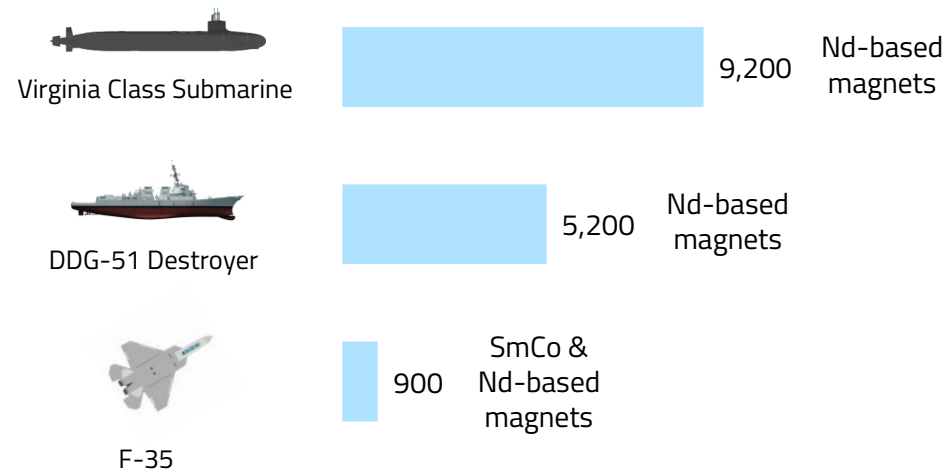
Why Protected Markets?

- Price inelastic customers (protected)
- Material sources are required to be from a verified US supply chain & compliant or highly preferred to be US
- Requires ultra-reliable high-performance Nd-based & SmCo magnets in highly engineered systems

- ✓ High-performance NdFeB magnet material solutions, along with other vital heavy REE metals & alloys
- ✓ Disciplined & focused US Protected Markets⁽¹⁾ strategy with low expansion capex, quick to market & fully-verified supply chain

High-Performance REE Magnets Key to US Defense Industrial Base & US Partners⁽¹⁾

Magnet Usage for Critical Defense Applications (lbs)



US Defense Budgets

Air Force
US\$61
billion

Sea Power
US\$48
billion

Land Power
US\$13
billion

FY 2025 Total Defense Budget
US\$850
billion

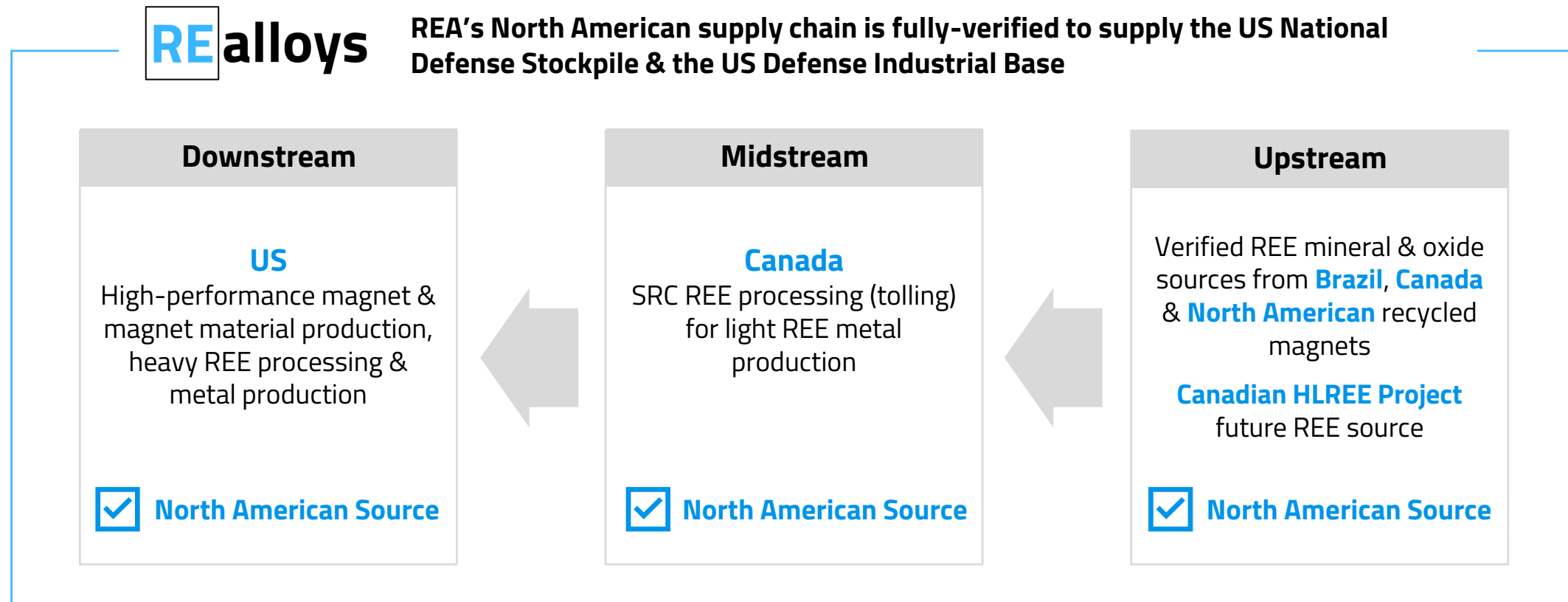
3x volume multiplier by adding in NATO and US allies' needs

| Product / Application | REE Used | Usage |
|------------------------------------|--------------------|---|
| F-35 fighter jet | Y | Jet engine |
| ATHENA laser weapon system | Er, Yb, Nd | Optical fibres in laser module |
| Tomahawk missile | Nd, Pr, Dy, Tb, Sm | Fin actuators in missile guidance and control systems, GPS, sensors |
| JDAM guided bombs | Nd, Pr, Dy, Tb, Sm | Fin actuators in missile guidance and control systems, GPS, sensors |
| Zumwalt-class destroyer | Nd, Pr, Dy, Tb, Sm | Electric jamming devices, storage batteries |
| HUMVEE military truck | Y, Eu, Tb | Laser |
| F-16, F-15, F-22 jets | Er, Sm | Jet engine |
| M1A2 Abrams tank | Sm, Eu, Nd, Tb, Y | Navigation system, laser-equipped main gun sight |
| Stinger MANPAD | Nd, Pr, Dy, Tb, Sm | Ceramics, nuclear energy, fibre optic communications, glass colouring |
| Precision-guided munitions | Nd, Pr, Dy, Tb, Sm | Fin actuators in missile guidance and control systems, GPS, sensors |
| PATRIOT missile air defense system | Gd, Sm, Y | Radio frequency circulators |
| MQ-9, MQ-1 Predator drones | Y, Tb | Laser weapon system |

Securing the Critical REE Magnet Material Needs of Protected Markets⁽¹⁾

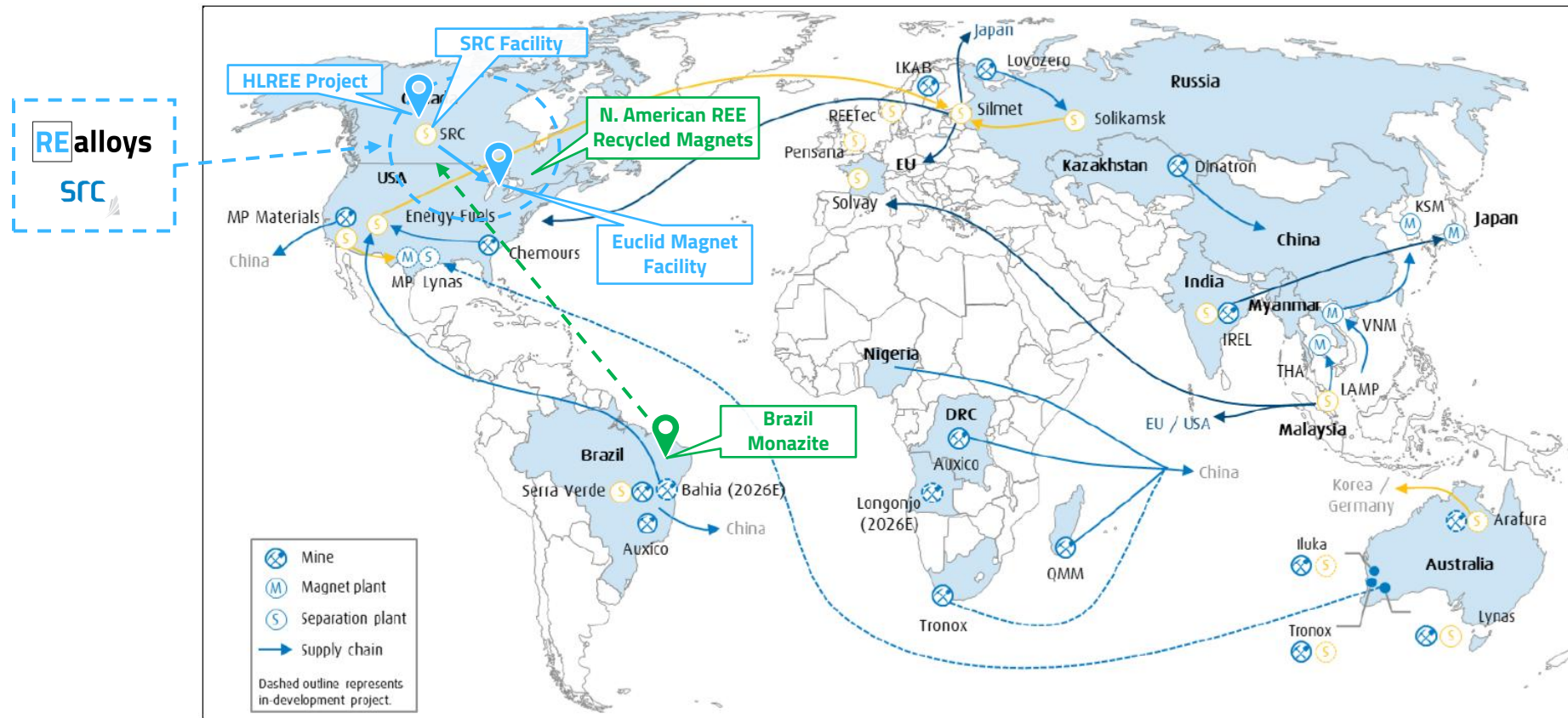
REA integrated and verified North American REE supply chain

- Required by existing US federal legislation, **all Tier 1 Defense Contracts must utilize verified North American sourcing for materials**
- Starting in 2025, the new US DoD administration policy **waivers and exemptions will not be granted by the US DoD when demonstrated domestic qualified capacity is available – REA fulfills demonstrated domestic capacity for permanent magnets**



REE Global Supply Chain

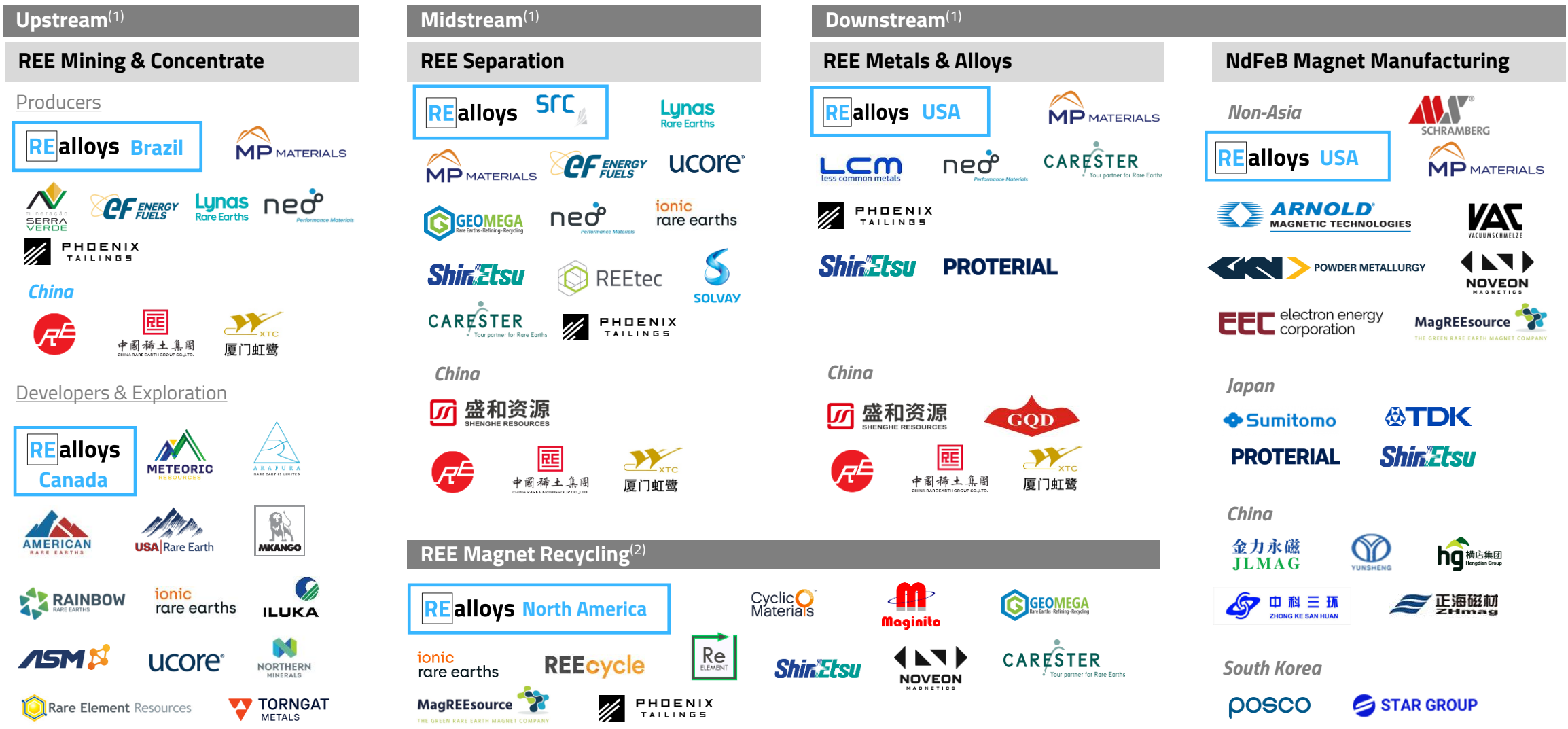
Global Supply Chains of REE Magnets



- REA is delivering a vertically integrated supply chain for the US National Defense Stockpile & the US Defense Industrial Base and US Partners⁽¹⁾
- REA will not rely on Chinese supply chains or supply Chinese customers

Overview of Relevant REE Magnet Supply Chain Participants

REA is the only participant with an integrated & verified North American supply chain & focus on US Protected Markets



(1) Locations refer to corporate headquarters, not location of operations.
 (2) Most REE magnet recycling are in R&D or pre-commercialization stage.



Company Overview

Overview of REA Integrated Magnet Material Supply Chain

Overview of REA Integrated Supply Chain

Downstream: Euclid Magnet Facility ("EMF") in Ohio

- ▶ Production of NdFeB & SmCo magnet materials & magnets
- ▶ Supplier of other vital heavy REE metals & alloys

Midstream: SRC REE Processing Facility in Saskatoon, Saskatchewan⁽¹⁾

- ▶ Approximately US\$75M invested in facility, opened Nov 2024
- ▶ SRC toll processing to supply light REE metals for EMF

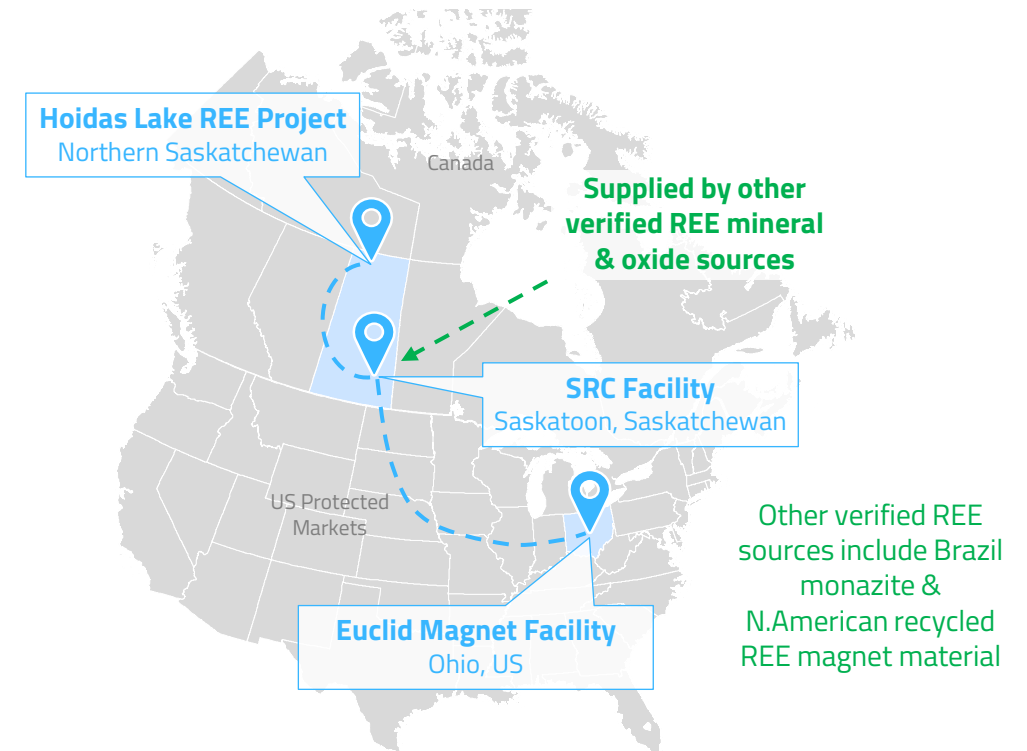
Upstream: Verified REE Mineral & Oxide Sources⁽¹⁾

- ▶ Brazil monazite mine – Operating
- ▶ North American recycled REE magnet material – Operating
- ▶ HLREE Project in Saskatchewan – US\$50M invested in project to date

REA Production Capabilities

| | LREE | HREE | Protected Markets |
|--|------|------|-------------------|
| Downstream Magnet Materials & Magnets | | | |
| Euclid Magnet Facility (Operational) | ✓ | ✓ | ✓ |
| Midstream | | | |
| SRC REE Processing Facility (Operational) | ✓ | | ✓ |
| REA REE Processing (2026) | | ✓ | ✓ |
| Upstream | | | |
| Brazil REE Monazite Mine (Operational) | ✓ | ✓ | ✓ |
| N.A. Recycled REE Magnets (Operational) | ✓ | ✓ | ✓ |
| HLREE Project (Target 2029) | ✓ | ✓ | ✓ |

Strategically Positioned Assets for US REE Magnet Security



NdFeB Magnet Materials & Magnets Production Expansion

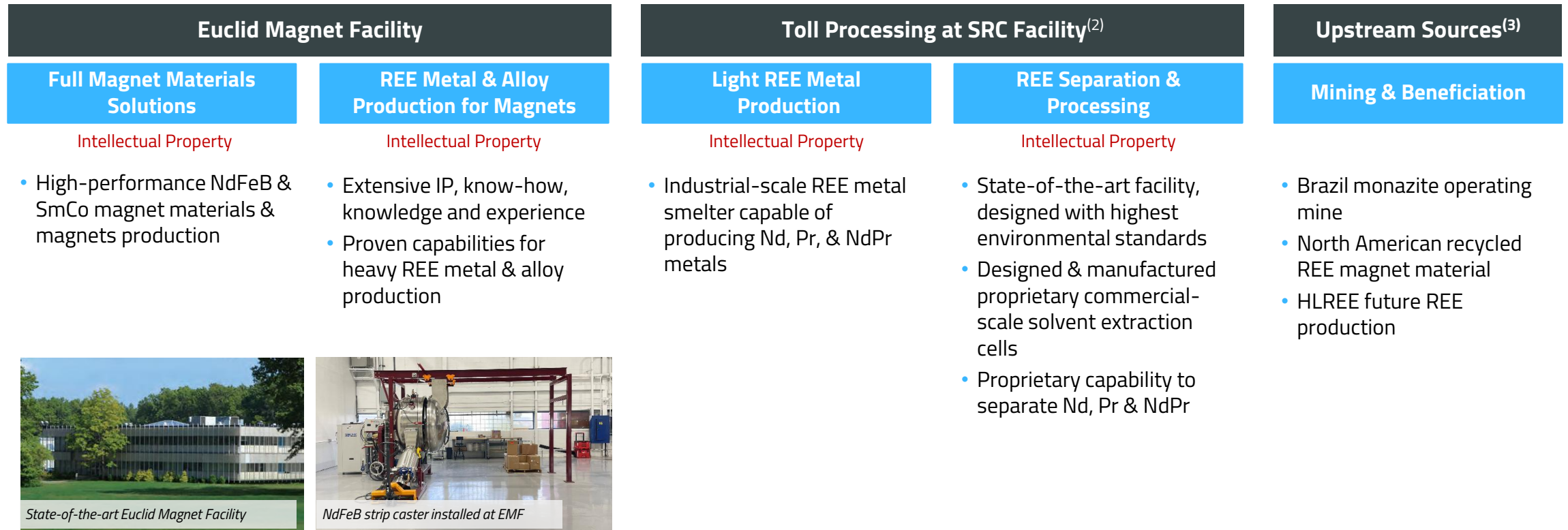
Phase I: **500tpa**
by 2026

Phase II: **1,000tpa**
by 2028

World-Class REE Platform Utilizing Proprietary & Proven Technology

High-performance magnet materials for US Protected Markets incl. NDS, DIB, NIB, Robotics, Electric Aviation & critical infrastructure⁽¹⁾

World-class R&D, IP, technology, assets and production facilities



Leadership Team

Management

David Argyle
CEO & Director

Multiple global executive, leadership & operational director roles in the natural resources, chemical & energy industries. Led multiple integrated supply chain projects in Australia, China, Africa, Brazil & North America.

Andy Sherman, P.E., FASM
COO (Midstream & Downstream)

Over 35 years of experience in developing & commercializing advanced materials & technologies with >100 patents. Founded multiple advanced materials startups focused on US critical material Protected Market demand.

Nick Farkas
VP, Engineering

Over 15 years of experience in developing and commercializing advanced materials processing and holds multiple advanced materials patents. Extensive experience developing products and managing operations in the critical materials supply chain.

Gil Batt, P.E.
Project Engineering Manager

Extensive experience with US-based chemical & industrial, mining projects including and high purity quartz, industrial minerals & greenfield mining projects.

Brent Jellicoe, P.Geo.
Geologist

Over 32 years of global mineral exploration & executive management experience in various mineral industries including rare earth elements. Recognized Qualified/Competent Person for REE deposits with expertise in code-compliant reporting at PEA, PFS and BFS levels.

James Schulte
Hoidas Lake Project Manager

Extensive experience in managing exploration & environmental projects throughout Canada. Projects include greenfield exploration, resource drilling, geochemical surveys of tailings ponds and industrial scale laboratory.

Orlando Bustos
Corporate Development

Over 13 years of diverse experience in finance & capital markets including corporate development, strategy, M&A and corporate finance, with a focus on the resource and critical materials supply chain sectors.

Tony Wonnacott
Corporate Secretary

Corporate securities lawyer with over 25 years of experience. Consultant, officer & director of several mining & resource companies. Involved with successful listings of private companies, >\$1 billion in capital raisings, and the sale of a company for ~\$750 million.

Summary of Merger with Blackboxstocks, Inc.

- Blackboxstocks “BLBX” will acquire REA in a reverse acquisition with REA as the accounting acquiror.
- The combined company will be renamed REAlloys. Inc and is expected to be listed on Nasdaq.

| | |
|---|--|
| <p>Proposed Merger Transaction</p> | <ul style="list-style-type: none"> • BLBX will acquire REA in a reverse acquisition with REA being the accounting acquiror • Total transaction value of US\$431M • REA stockholders will own ~92.7% of the post-merger combined company • BLBX stockholders will own ~7.3% of the post-merger combined company |
| <p>Consideration</p> | <ul style="list-style-type: none"> • BLBX will issue common and preferred stock to the REA stockholders • BLBX currently has approximately 3.6 million common shares outstanding • REA will receive approximately 57.3 million common shares |
| <p>CVR</p> | <ul style="list-style-type: none"> • BLBX stockholders of record will receive a CVR for assets of the wholly owned subsidiary, Blackbox.io |
| <p>Closing</p> | <ul style="list-style-type: none"> • The Merger is expected to close in July 2025 • Post-closing, David Argyle is expected to assume the role of Chief Executive Officer • REA will appoint six members and BLBX will appoint one member of the board of directors of the post-merger combined company |

Summary of Merger with Blackboxstocks, Inc.

Pro Forma Combined Capitalization

December 31, 2024

| | BLBX | REalloys | Adjustments | Combined |
|--------------------------------------|--------------|----------------|---------------|---------------|
| Series C Convertible Preferred Stock | | | \$ 10,931,000 | \$ 10,931,000 |
| Stockholders' equity | | | | |
| Preferred stock | - | | | - |
| Series A Convertible Preferred Stock | 3,270 | | | 3,270 |
| Series B Convertible Preferred Stock | - | | | - |
| Common stock | 3,538 | 8,000 | 49,331 | 60,869 |
| Additional paid in capital | 28,343,505 | 213,000 | 25,242,147 | 53,798,652 |
| Accumulated deficit | -22,956,118 | -5,449,000 | 9,490,118 | -18,915,000 |
| Total stockholders' equity | \$ 5,394,195 | \$ (5,228,000) | \$ 34,781,596 | \$ 34,947,791 |

Comparable Public Company Analysis

BLBX/REalloys

US Public Company Comparisons

in \$000's (except share price)

| Company | Ticker | 5/16/2025 | | | | 2024 | | 2023 | |
|------------------|--------|-----------|-----------------|-----------|-----------|---------|----------|---------|----------|
| | | Price | % of 52 wk high | Mkt Cap | EV | Sales | EBITDA | Sales | EBITDA |
| MP Materials | MP | \$ 21.31 | 72% | 3,483,000 | 4,109,287 | 203,855 | 7,720 | 253,445 | 94,038 |
| Lynas | LYSCF | \$ 4.84 | 83% | 4,589,000 | 4,589,000 | 306,363 | 112,908 | 522,658 | 274,614 |
| USA Rare Earth | USAR | \$ 9.77 | 49% | 885,384 | 886,581 | - | (4,077) | n/a | n/a |
| Energy Fuels Inc | UUUU | \$ 4.37 | 59% | 946,843 | 946,843 | 78,114 | (34,045) | 37,928 | (29,616) |

| Company | Ticker |
|------------------|--------|
| MP Materials | MP |
| Lynas | LYSCF |
| USA Rare Earth | USAR |
| Energy Fuels Inc | UUUU |
| Average | |

| EV/Revenue | | EV/EBITDA | |
|-------------|-------------|------------|-------------|
| 2024 | 2023 | 2024 | 2023 |
| 20.2 | 16.2 | 532.3 | 43.7 |
| 15.0 | 8.8 | 40.6 | 16.7 |
| n/a | n/a | n/a | n/a |
| 12.1 | 25.0 | n/a | n/a |
| 15.8 | 16.7 | n/m | 30.2 |

Appendix

Supplemental Materials

Downstream Magnet Material Production

- Euclid Magnet Facility (EMF) in Ohio

Euclid Magnet Facility

Established REE magnet producer, revenue-generating today, contracts & awards from US DoD and DoE

Euclid Magnet Facility in Ohio

- High-performance NdFeB & SmCo magnet materials & magnet production
- Received contracts on no-bid sole supplier bases from the Defense Logistics Agency (DLA) and the US DoE's AMES National Laboratory⁽¹⁾
- Qualified under SBIR which allows its product sales to be contracted exclusively for the US NDS & Tier 1 US defense contracts, locking in sustainable pricing⁽²⁾
- Proven capabilities for light & heavy REE metal & alloy production
- Toll processing for well-known REE industry participants in the US

Facility Overview

- 13-acre site with 90,000 sqft of manufacturing & development space
- State-of-the-art research & development and production facility in Ohio
- Fully permitted for commercial production
- Earned three R&D 100 Awards, received dozens of patents & set nine different materials science property records – including energy storage density to ceramic fracture toughness



State-of-the-Art Downstream Magnet Facility in Ohio



Strip Caster for NdFeB



Upstream REE Asset

- Hoidas Lake Rare Earth Elements Project (HLREE Project)

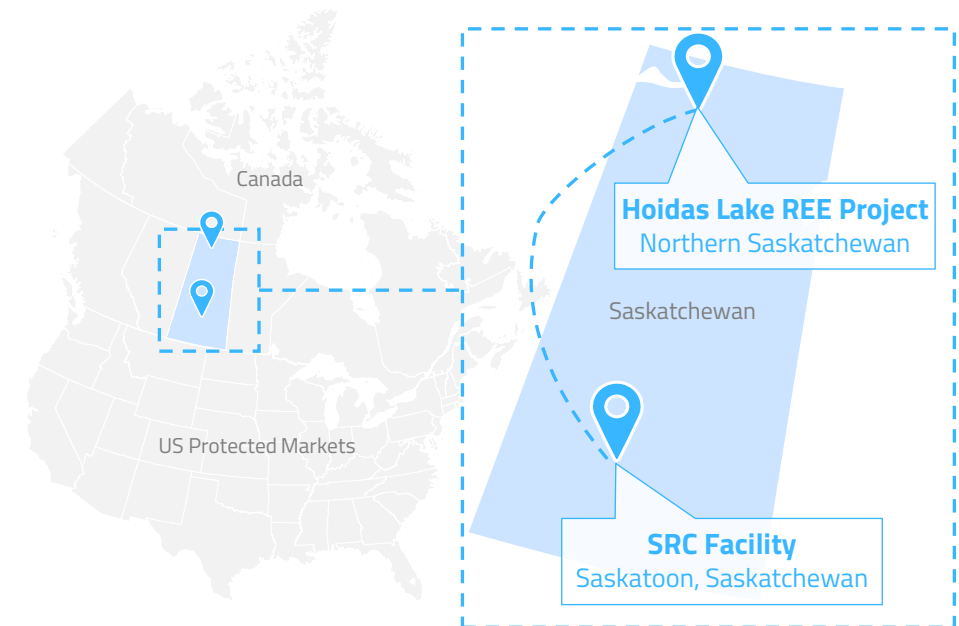
Hoidas Lake REE Project

Overview

HLREE Project Overview – 100%-Owned, Development-Stage Asset

- **High-Quality Asset:** New S-K 1300 Mineral Resource Estimate (MRE) completed Dec 2024 and increased total resource by 32%
 - M&I resource of 2.2Mt at 1.9% TREO, Inferred resource of 1.6Mt at 2.1% TREO and total resource of 3.8Mt at 2.0% TREO
 - High-value magnet light REEs Nd+Pr comprise 26.8% of TREO along with magnet heavy REs Dy+Tb comprising 0.52% of TREO
 - US\$40M invested in development to date
- **Saskatchewan #2 Ranked Mining Jurisdiction Globally, REE Hub:** #1 jurisdiction in Canada & #2 globally for mining policy in 2023
 - The HLREE Project is located in Northern Saskatchewan, 34 miles northeast of Uranium City
 - Province of Saskatchewan positioning itself as North America's REE processing, research & education hub with SRC REE Facility in Saskatoon
- **Large Attractive Land Package:** 14 contiguous mineral claims covering 12,522 ha (31,300 acres) of highly prospective land
 - Significant mineral resource upside & upside potential
 - 2024 magnetics survey shows property is highly prospective for hosting additional REE deposits & additional mineralized veins in Jak deposit
 - Preliminary re-assaying indicates previously undiscovered carbonatite with additional REE & other valuable elements including titanium

Saskatchewan Integrated REE Supply Chain



Strategically located near the US and provides significant cost & logistical advantages

US considers Canada as a "domestic source"

Canada–US Joint Action Plan on Critical Minerals Collaboration launched in 2023, advancing mutual interest in securing supply chains for the critical minerals needed for essential sectors

Hoidas Lake REE Project

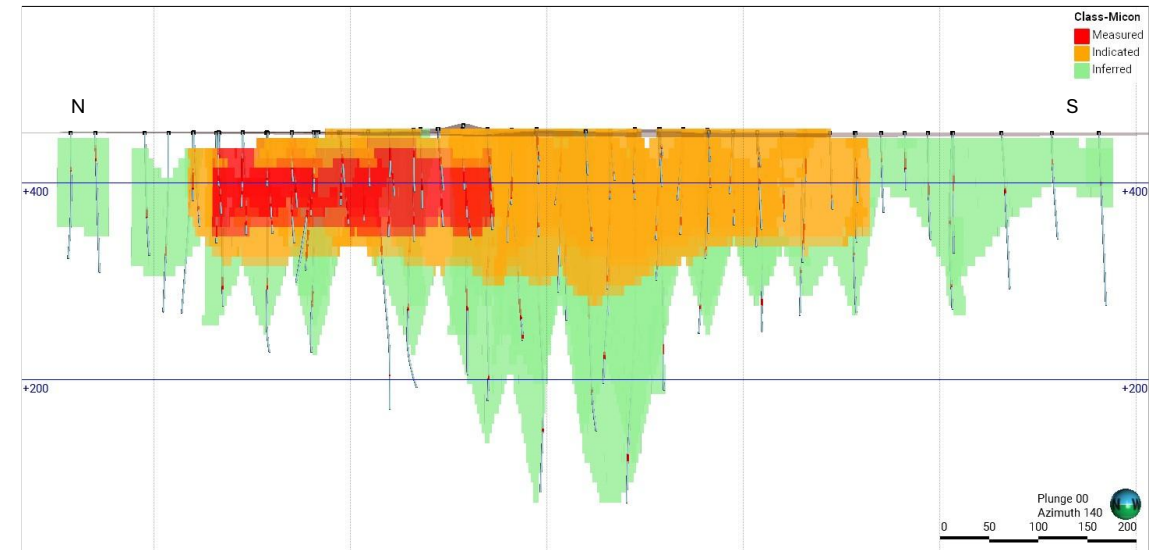
S-K 1300 Mineral Resource Estimate completed Dec 2024

- New S-K 1300 Mineral Resource Estimate (MRE) completed by Micon in Dec 2024 increased total resource by 32%
- M&I resource of 2.2Mt at 1.9%, Inferred resource of 1.6Mt at 2.1% TREO and total resource of 3.8Mt at 2.0% TREO
 - Light magnet REEs Nd+Pr comprise 26.8% of TREO
 - Heavy magnet REEs Dy+Tb comprise 0.52% of TREO
- 188 drill holes contained in geological database, 110 were in the area of HLREE deposit & used in resource estimate

HLREE Project Mineral Resource Estimate⁽¹⁾

| Category <i>October 30, 2024</i> | Tonnage <i>(tonnes)</i> | TREO <i>(%)</i> | Cont. TREO <i>(tonnes)</i> |
|-------------------------------------|----------------------------|--------------------|-------------------------------|
| Mineral Resource | | | |
| Measured | 711,000 | 1.858 | 13,210 |
| Indicated | 1,442,000 | 1.929 | 27,816 |
| M&I | 2,153,000 | 1.906 | 41,027 |
| Inferred | 1,602,000 | 2.089 | 33,466 |
| Total Resource | 3,755,000 | 1.984 | 74,492 |

Long Section Micon Mineral Resource Categorization (Looking Southeast)



- Resources reported relate to JAK zone on the Hoidas Nisikkatch Fault
- REE primarily found in the bastnasite & allanite minerals, and secondly in the monazite, parasite, thorite & apatite minerals
- Significant additional structures identified outside of the JAK Zone
- Drilling will immediately increase HLREE resource

(1) The effective date of the Mineral Resource Estimate is October 30, 2024. The mineral resource estimate was determined using an NSR cut-off value of US\$328.33/t.

Hoidas Lake REE Project

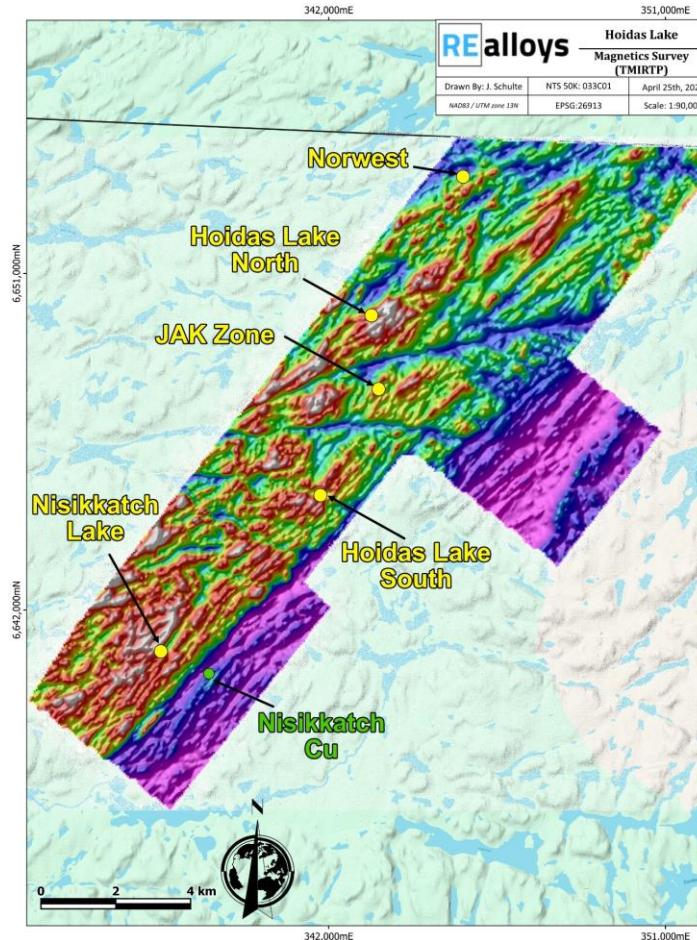
Magnetic & Radiometric Survey Results (Fall 2024) – Significant Additional Structures Identified Outside of the JAK Zone

Airborne Magnetic & Radiometric Surveys

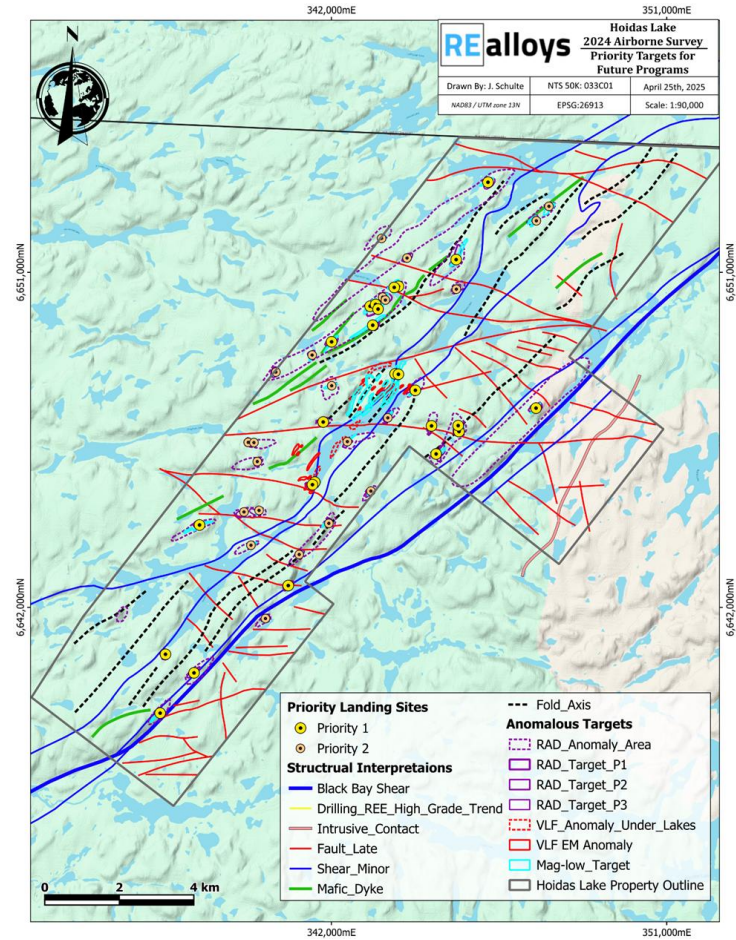
- Will assist future exploration & drilling programs for highly prospective target areas outside of known Jak Zone Deposit
- Successful in identifying multiple prospective trends on the property that greatly enhance the potential for future economic REE discoveries
- Axiom Exploration Group (Axiom) completed a helicopter-borne Triaxial gradient magnetic and radiometric survey over the HLREE Project
- Resource Potentials (ResPot) compiled & integrated the newly acquired & available historical exploration datasets of the HLREE Project

“ResPot considers the [HLREE] project area to be highly prospective for hosting additional REE deposits, and for hosting additional mineralized veins in and around the JAK deposit area, that remain undiscovered and would significantly increase the REE resource at the project.”

– Dr. Jayson Meyers, Principal Consultant & Director, ResPot



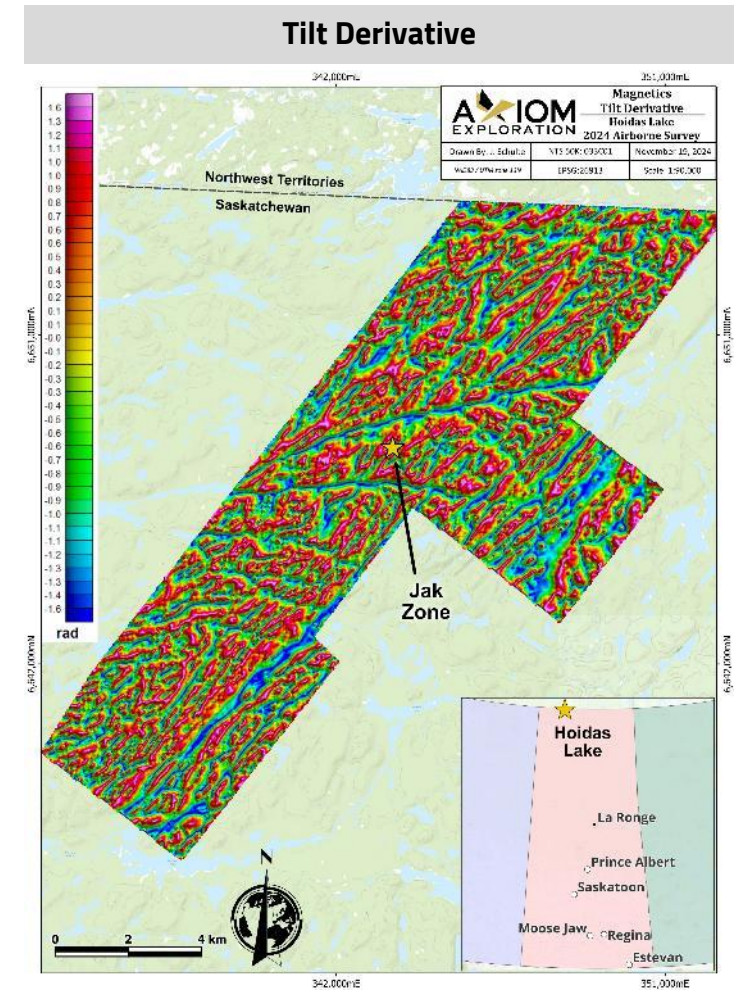
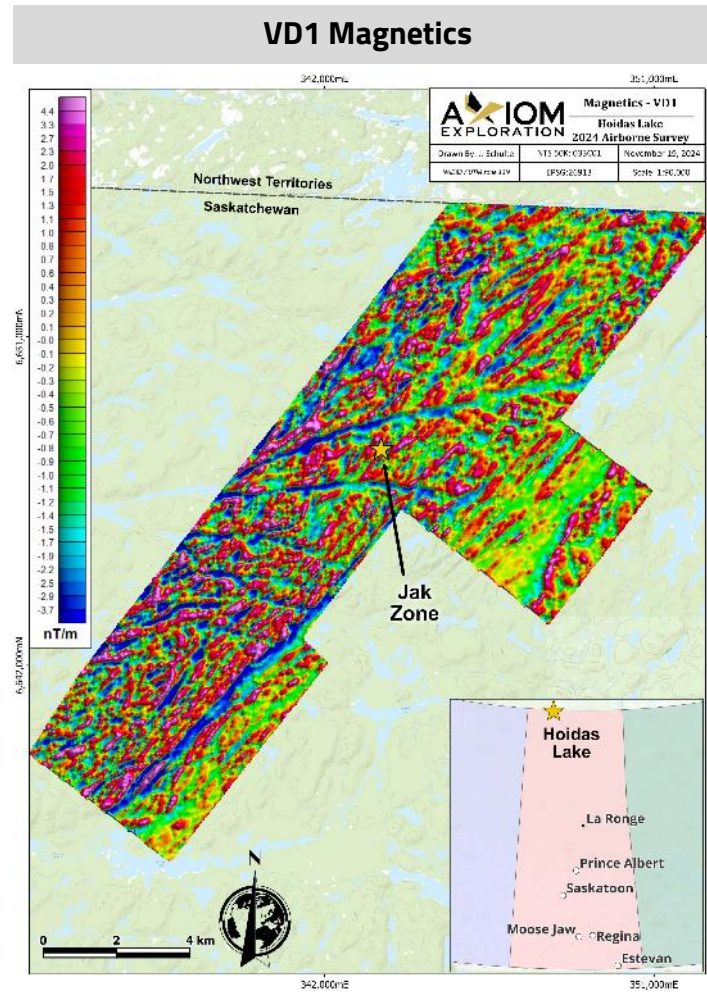
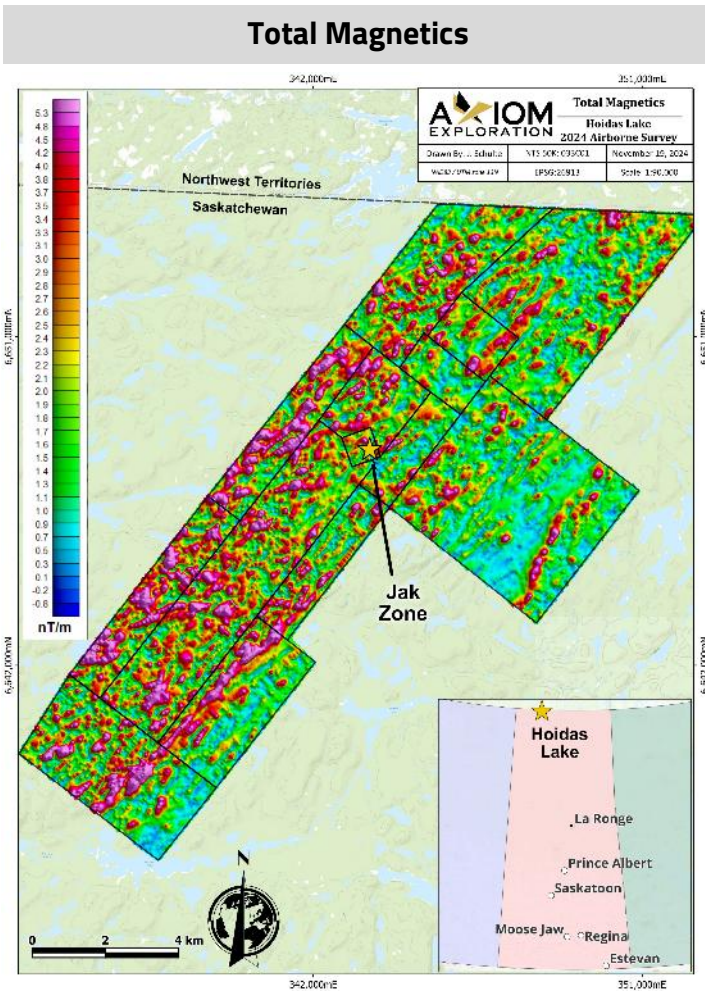
Coloured Magnetic Anomaly Image (TMIRTP) of HLREE Project



Priority 1 & 2 landing sites with radiometric anomaly trends, prioritized radiometric target outlines (purple) and high-level interpreted structures.

Hoidas Lake REE Project

Magnetic & Radiometric Survey Results (Fall 2024) – Significant Additional Structures Identified Outside of the JAK Zone



HLREE Project Road Map – Strategically Focused on US Protected Markets

HLREE Development in Strategic Collaboration with SRC

- REA preliminary budget of C\$30M to be invested in the exploration & development of the HLREE Project over the next three years to pilot mining
- REA preliminary budget of C\$10M to be invested into SRC Facility to achieve midstream processing of HLREE concentrate feed

Strategic Approach to Scale Driven by US Protected Markets⁽¹⁾ Demand

- Future HLREE mining & concentrate production scale strategically focused & driven by demand from US Protected Markets⁽¹⁾
- Leads to efficient scale, lower capex & accelerated timelines compared to peers committed to supplying global mainstream markets that require substantial scale, massive capex & extensive construction timelines

“The 2024 mineral resource estimate has allowed REAlloys to demonstrate that the [HLREE Project] has reasonable prospects for eventual economic extraction.”

– Micon conclusion on HLREE Project S-K 1300 (Dec 6, 2024)



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