ASX Release 13 August 2026

Canaccord Genuity 46th Annual Growth Conference – Presentation & Recording

Metallium Limited ("*Metallium*" or the "*Company*") (ASX: MTM; OTCQX: MTMCF; OTCQX ADR: MTLMY) advises that Managing Director and Chief Executive Officer, Michael Walshe, presented at the Canaccord Genuity 46th Annual Growth Conference in Boston, Massachusetts on the 12th of August 2026.

A recording of the presentation is available at the following link:
https://event.summitcast.com/view/WuFmFdTcA9mVsUGHZJFU62/9y4oB32d7KBNzgMyEMPt9E

A copy of the presentation slides delivered at the conference is included at the back of this announcement.

This announcement has been authorised for release by the Managing Director of Metallium Limited.

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ABOUT METALLIUM LIMITED

Metallium Ltd (ABN 27 645 885 463), is pioneering a low-carbon, high-efficiency approach to recovering critical and precious metals from mineral concentrates and high-grade waste streams. The company's patented **Flash Joule Heating (FJH)** technology enables the extraction of high-value materials, including **gallium, germanium, antimony, rare earth elements, and gold** — from feedstocks such as refinery scrap, e-waste, and monazite.

Aligned with U.S. strategic supply chain objectives, Metallium has recently secured its first commercial site in Texas via its wholly owned subsidiary, **Flash Metals USA Inc.**, marking a major step toward near-term production and revenue generation.

To learn more, visit:

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METALLIUM

Solving the Critical Metals Processing Bottleneck

CANACCORD GENUITY GROWTH CONFERENCE | BOSTON | AUGUST 2026

Michael Walshe, Managing Director & CEO

ONE PLATFORM
MULTIPLE METALS
FEWER STEPS

ASX: MTM / OTCQX: MTLMY (ADR) & MTMCF

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This presentation has been authorized for release by the CEO and Managing Director.

THE FUTURE OF METALS RECOVERY

METALLIUM

We are an Advanced Metal Processing Company Solving the Critical Metals Refining Bottleneck with Breakthrough Technology

FLASH JOULE HEATING (FJH): a patented technology to recover metals from **both waste** & **ore**, more efficiently vs traditional methods.

INNOVATION: Selective recovery of metals using rapid electric energy with proprietary chemistry - avoiding harsh acids & smelting.

Key focus on **CRITICAL METALS** and **RESHORING their processing back to the USA**

Backed by **U.S. DEPARTMENT OF WAR** funding and support, and major industrial partners like **GLENCORE, INDIUM CORPORATION** & **VEDANTA**

TARGETING HIGH-VALUE MATERIALS INCLUDING:

- **Rare Earth Elements (REEs):** mineral concentrates and tailings, intermediates (MREC) and end-of-life NdFeB and SmCo magnets - Nd, Pr, Dy, Tb, Sm, Co
- **Semiconductor, Electronics & Datacentre Waste -** rich in Ga, Ge, In, Au, Sn, Cu
- **Tailings:** Critical metal extraction from Red Mud, Mine Tailings, Coal Fly Ash etc
- **Gold & Copper-rich Printed Circuit Boards**
- Other critical metals like **Niobium, Tungsten** and **Antimony**

From e-Waste to Rare Earths - Faster, Cleaner, Smarter

THE STRUCTURAL PROBLEM IN CRITICAL METALS

METALLIUM

Weaponisation of the Periodic Table: The key constraint is not raw material supply or mining but **processing and refining**

ISSUE: WESTERN SUPPLY CHAINS BECAME DEPENDENT ON OFFSHORE METAL PROCESSING

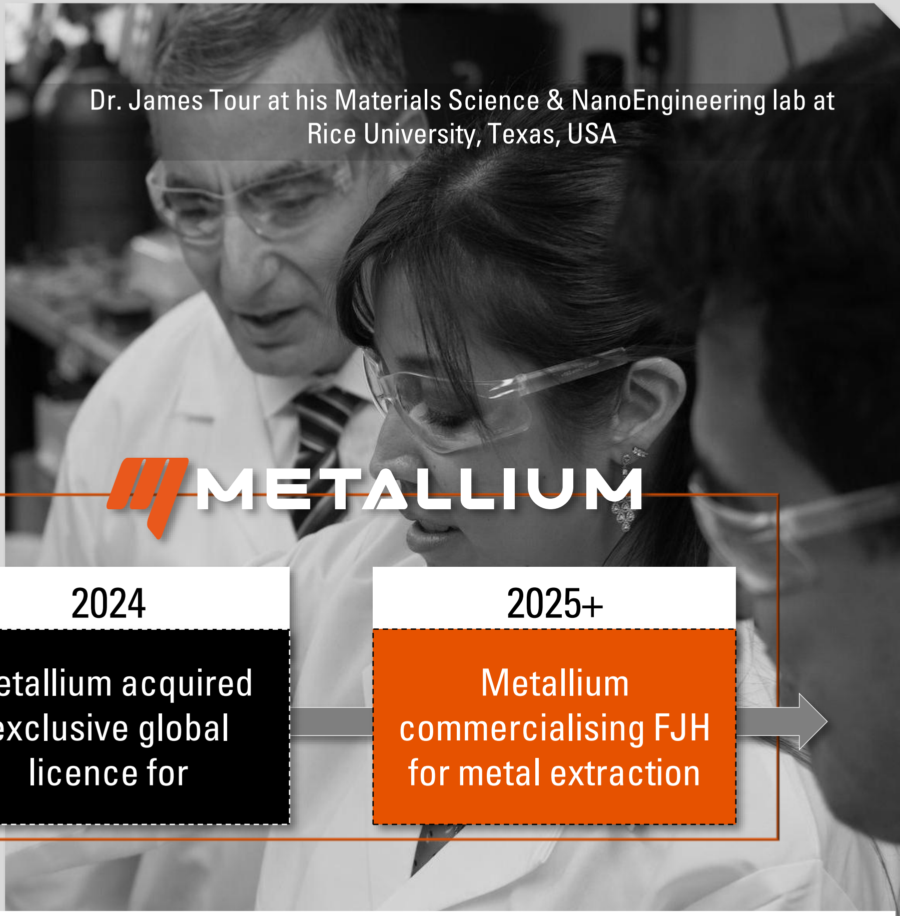
SOLUTION: USE TECHNOLOGY TO REBUILD DOMESTIC PROCESSING

METAL	PROCESSING OR REFINING (Share of Global Capacity)	U.S. IMPORT RELIANCE
Gallium	China 99%	100%
Germanium	China 99%	75%
Indium	China 99%	100%
Dysprosium	China ~91%	85%
Terbium	China ~91%	85%
Praseodymium	China ~91%	85%
Neodymium	China ~91%	85%
Samarium	China ~91%	85%
Gadolinium	China ~91%	85%
Yttrium	China ~91%	85%
Lithium	China >80%	50%
Tantalum	China ~70%	100%
Antimony	China ~70%	85%
Tungsten	China ~85%	60%
Titanium	China ~70%	99%
Niobium	Brazil ~88%	100%
Tin	China 53%	73%

Source: Social Capital (2026)

FROM GRAPHENE DISCOVERY TO CRITICAL METALS PLATFORM

Flash Joule Heating



Dr. James Tour at his Materials Science & NanoEngineering lab at Rice University, Texas, USA

2017	2018	2020	2024	2025+
FJH invented for graphene production	FJH licenced to Universal Matter to make graphene	FJH studied for metal recovery	Metallium acquired exclusive global licence for	Metallium commercialising FJH for metal extraction

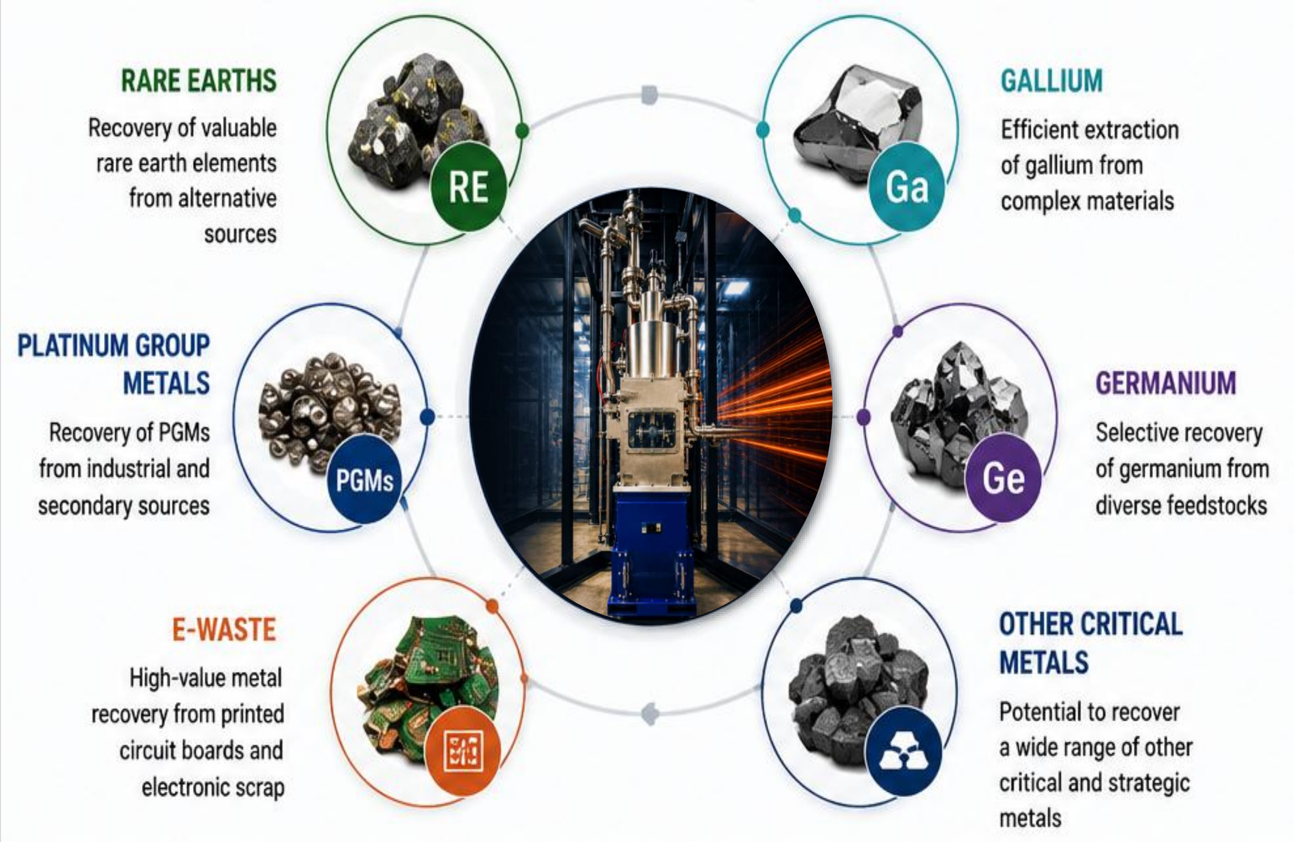
METALLIUM'S ROLE: engineer, scale and commercialise the platform for **Metals Extraction**

RICE UNIVERSITY

MULTI-METAL PLATFORM

METALLIUM

Successful across several critical metal-rich feedstocks tested to date



✓ Unique IP ✓ No acids ✓ No smelting ✓ Less Emissions ✓ Modular ✓ Works on E-Waste & Mine Ores/Tailings

PROCESSING TECH BREAKTHROUGHS THAT CHANGED HISTORY

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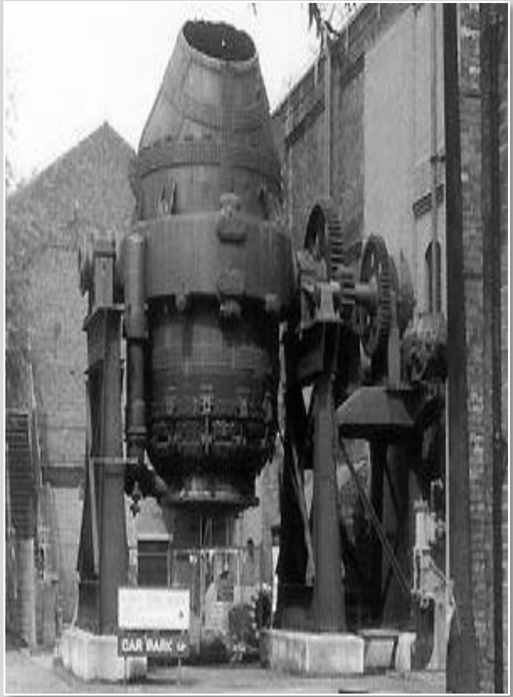
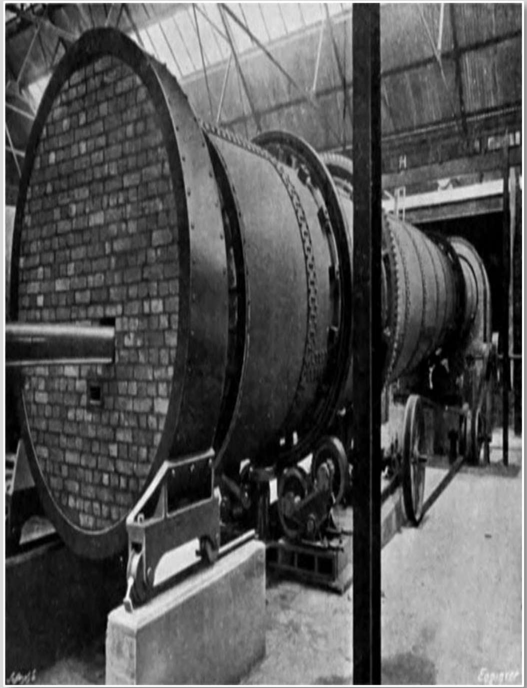
Bessemer Converter
1856



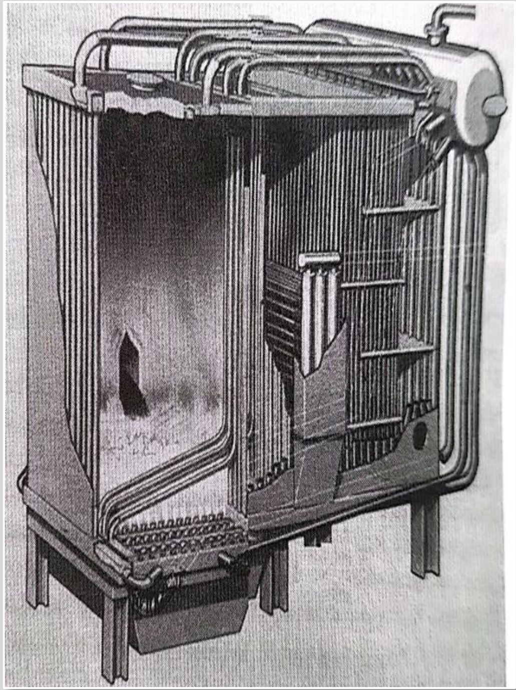
1st Inexpensive method to mass produce steel

Modern Rotary Kiln
1885



Revolutionised Continuous processing

Fluidized Bed
1921



Revolutionised Petroleum cracking

ElecArc Furnace (MiniMill)
1955

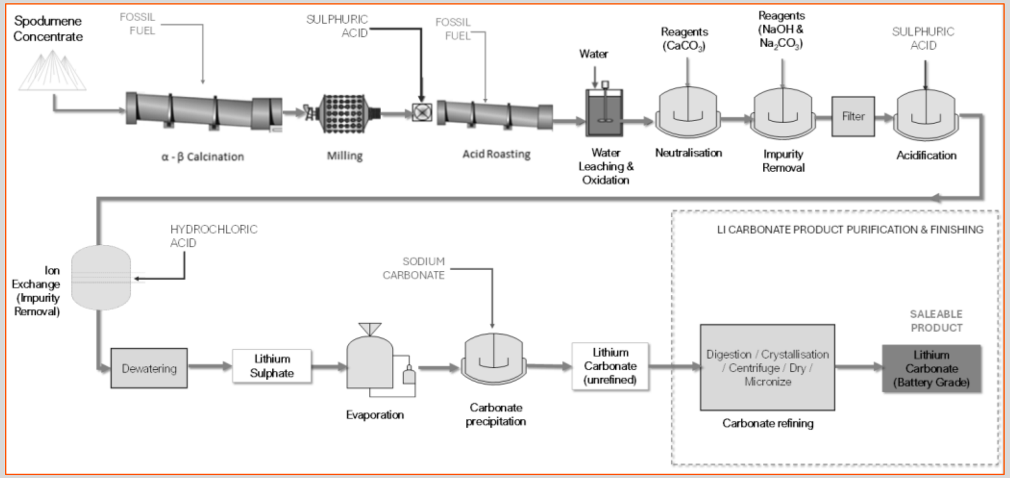
Revolutionised scrap metal recovery. Initially ridiculed

FJH IS THE NEXT STEP CHANGE

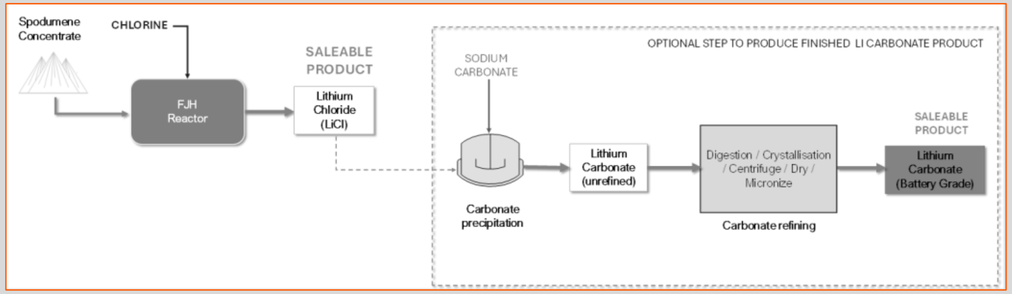
NEXT-GEN MINERAL PROCESSING

Two examples from refractory (hard to process) mineral processing applications: Lithium and Rare Earths

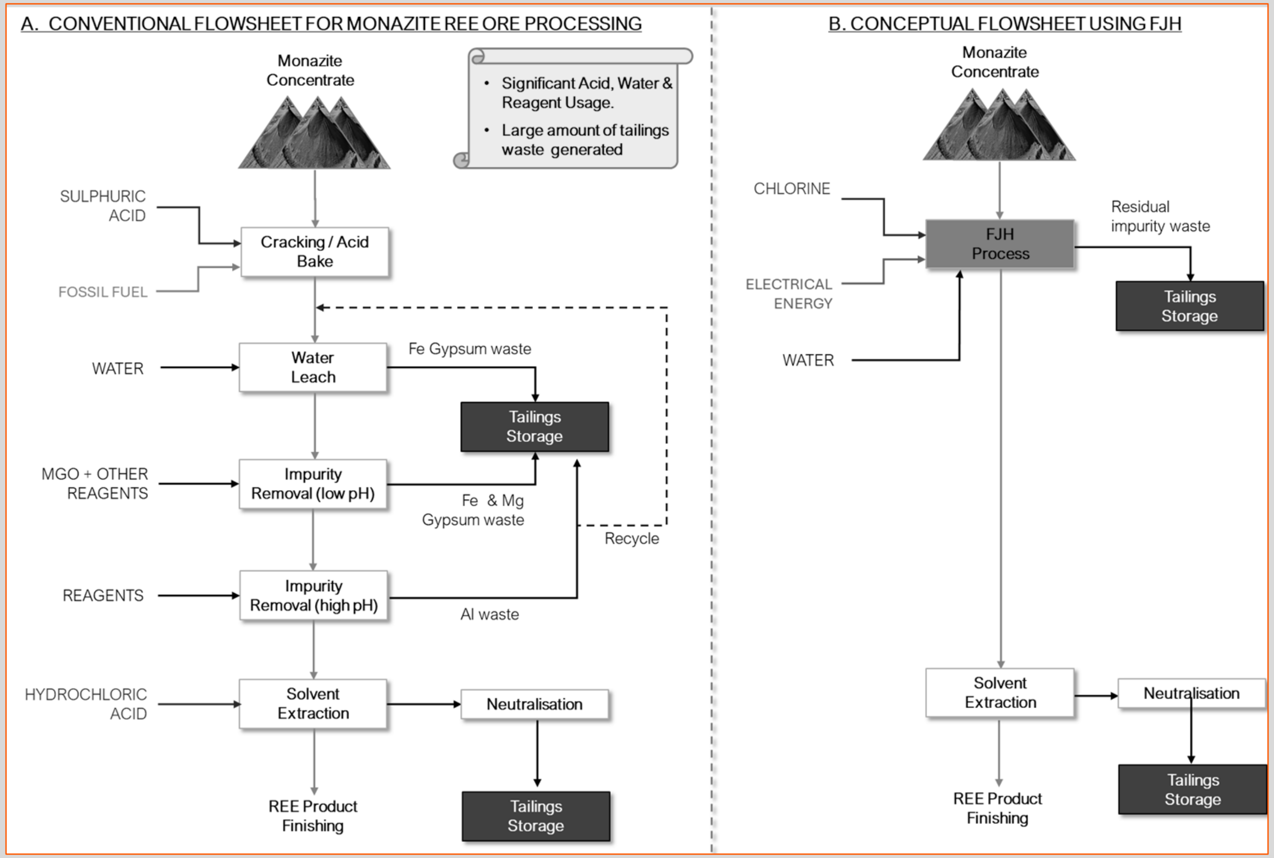
i.e. Conventional Flowsheet for Lithium Carbonate vs FJH



FJH Conceptual Flowsheet for LiCl or Li Carbonate



i.e. Conventional Flowsheet for REE concentrate processing vs FJH



Significantly less steps, no sulphuric acid (H_2SO_4) usage and much more efficient impurity removal.

FROM LABORATORY TO INDUSTRIAL PLATFORM

METALLIUM

Texas-based hub for ongoing development and eventual commercial production

Metallium's U.S. Technology Campus will house our first commercial plant and serve as a hub for ongoing R&D and future expansion

Prime Location in **Houston Industrial Corridor with** direct access to Interstate 10 and the Houston Ship Channel (major port)

Targeting up to ~**20,000 tonnes per annum commercial-scale e-waste processing capacity**

Site for ongoing R&D and commercial optimisation across several verticals

COMMERCIAL METAL RECOVERY

E-WASTE → (Up to ~ 20,000 tpa target) → **Gator Point Technology Campus** → Recovered Au, Ag, Cu, Sn, Pd

Ga & Ge WASTE → (Up to 350 tpa target) → **Gator Point Technology Campus** → Recovered Ga & Ge

R&D

Ongoing Tech Dev. → **Gator Point Technology Campus** → Technology evolution

New feedstock testing → **Gator Point Technology Campus** → New opportunity verification

E-WASTE IS THE FIRST COMMERCIAL WEDGE

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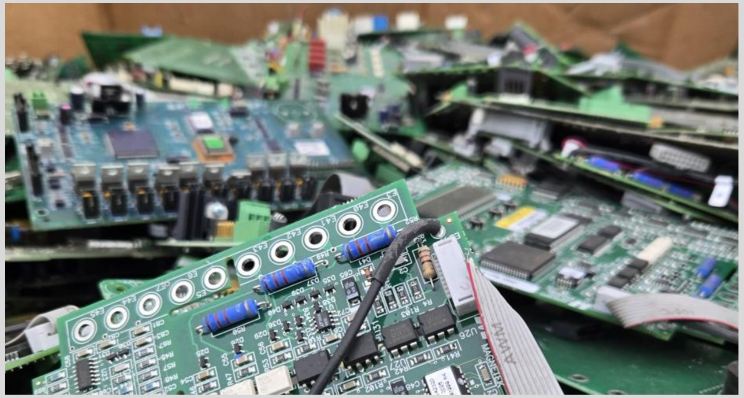
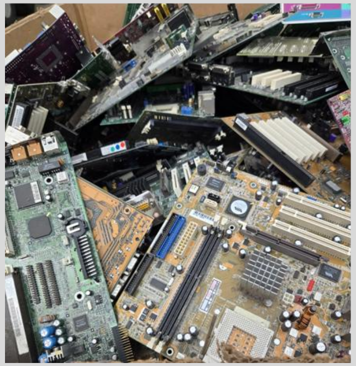
Printed Circuit Boards are a very rich in several critical and precious metals

Weight and value of metals contained in the 62 Mt of e-waste generated globally in 2022

Metal	Amount (1,000 kg)	Total economic value ($ billions)
Copper	2.1 Mt	US$19B
Gold	270 t	US$15B
Nickel	0.52 Mt	US$14B
Aluminum	3.9 Mt	US$11B
Palladium	120 t	US$8B
Tin	44 kt	US$1.4B
Zinc	280 kt	US$1B
Silver	1,200 t	US$0.9B
Antimony	28 kt	US$0.3B





Source: *Congressional Research Service (2023)*

OUR BUSINESS MODEL: TWO ENGINES OF VALUE

METALLIUM

Models:
Plant Owner/Operator
+
Licencing / Royalty

URBAN MINING (WASTE RECYCLING)		MINERAL PROCESSING (MINING PROJECTS)		EMERGING APPLICATION
Technology Metals: Gallium, Germanium, Indium, Tin, Antimony	**Electronic Waste:** Gold, Copper, PGE -rich Printed Circuit Boards	**Rare Earth Elements** (REEs) Nd, Pr, Dy, Tb	**Red Mud** (Bauxite Residue) Alumina, Ga, REEs, Titanium	**MXenes** (2D super materials)
				

Build-Own-Operate (BOO)

Processing-as-a-Service (PaaS)

BUSINESS MODEL

End-to-end ownership of feedstock, processing, and metal sales: Metallium sources feedstock, operate its own facilities, & capture full value from recovered metals

Licencing: Provide equipment & services to miners / processors. Monetise via **Licensing** & **Production Royalties**

PRODUCTS

Metal chlorides or derivatives – Essential for semiconductors, photovoltaics etc.	Metal chlorides or derivatives incl. Gold Chloride – Highly saleable``	Various optionality for metal chlorides or more refined intermediates, or special compounds

INDUSTRIAL PARTNER(S)

INDIUM CORPORATION	GLENCORE; DYNAMIC LIFECYCLE INNOVATIONS; Plastic Recycling Inc.	METEORIC RESOURCES; ucore	vedanta transforming for good; ELEMENTUSA	ECT ENVIRONMENTAL CLEAN TECHNOLOGIES LIMITED
Upstream sourcing initiative	4000 tpa secured	Ongoing	Ongoing	New*

A ONCE-IN-A-GENERATION WINDOW OF OPPORTUNITY

METALLIUM

→ **POLICY + NATIONAL SECURITY TAILWINDS + TECHNOLOGY**

→ **Closes the Critical Metals refining gap for several Metals and Mid-Stream products**

→ **Proprietary Technology with No Direct Rival / Unique Moat** - no equivalent exists in commercial refining.

→ **U.S.-developed processing technology**

→ **U.S. operating base in Texas**

→ **Existing U.S. Government support**

→ **Feedstock + long-term offtake**

→ **Multiple commercial verticals**