

CMI Unveils Critical Minerals List 2025, Urging International Collaboration for Unified Global Response to Supply Chain Risks

written by Raj Shah | April 13, 2025

TORONTO, ONTARIO – April 13, 2025 – The [Critical Minerals Institute \(CMI\)](#) has unveiled its comprehensive “**CMI Critical Minerals List 2025**,” a definitive strategic blueprint highlighting 23 minerals essential for global technological advancement, defense infrastructure, economic resilience, and environmental sustainability. This timely announcement precedes the highly anticipated [CMI Summit IV](#), underscoring an urgent appeal for international collaboration to secure vulnerable supply chains.

Derived from a rigorous evaluation of 12 global [critical minerals](#) assessments, including those from the United States, Canada, Australia, New Zealand, the United Kingdom, Europe, India, Japan, South Korea, and NATO, CMI’s selection criteria identified the most frequently cited minerals across multiple jurisdictions, refining an extensive list of 55 minerals down to 23 critical resources.

“Creating the CMI Critical Minerals List 2025 was akin to drafting a strategic battle plan for the technological backbone of our future,” stated [Alastair Neill](#), President of Trinity Management Ltd. and Director of CMI. “We prioritized minerals whose supply disruption could incapacitate critical sectors overnight due to geographic bottlenecks, lack of alternatives,

or exponential demand pressures. Minerals such as copper, beryllium, and uranium are not just resources—they constitute the bedrock of global competitiveness and security.”

The CMI Critical Minerals List 2025 Includes:

- Aluminum, Bauxite, High-Purity Alumina (HPA)
- Antimony
- Beryllium
- Bismuth
- Cobalt
- Copper
- Gallium
- Germanium
- Graphite (Carbon)
- Indium
- Lithium
- Magnesium
- Manganese
- Nickel
- Niobium
- Platinum Group Metals (PGMs)
- Rare Earth Elements (REEs)
- Silicon, Silicon Metal
- Tantalum
- Titanium, Titanium Metal
- Tungsten
- Uranium
- Vanadium

[Tracy Hughes](#), Founder and Executive Director of CMI, emphasized the necessity of proactive and unified action, stating, “With the upcoming CMI Summit IV, it is imperative that international industries and governments collaborate decisively. Building

secure, resilient, and sustainable supply chains for these critical minerals is essential to safeguarding our collective technological and economic future.”

Top Five Strategic Minerals:

1. **Copper:** Fundamental to global electrification, renewable energy, and digital connectivity infrastructure.
2. **Uranium:** Essential for nuclear energy and emerging small modular reactors, pivotal to low-carbon power generation.
3. **Gallium:** Critical for semiconductor manufacturing and advanced optoelectronics, vulnerable to concentrated production sources.
4. **Rare Earth Elements (REEs):** Indispensable in defense, green technologies, and electronics, with production overwhelmingly dominated by China.
5. **Cobalt:** Crucial for advanced lithium-ion battery technology, underpinning electric mobility and energy storage sectors, yet challenged by ethical sourcing issues.

[Melissa Sanderson](#), Director at [American Rare Earths Limited](#) (ASX: ARR | OTCQX: ARRNF | ADR: AMRRY) and Co-Chair of CMI, highlighted geopolitical imperatives, remarking, “The Minerals Security Partnership underscores the necessity for global cooperation. No nation alone can efficiently counteract China’s overwhelming market dominance. Unified resources, technology sharing, and political resolve are vital to reclaim control of our critical minerals future.”

[Jack Lifton](#), Co-Chair of CMI, further addressed strategic vulnerabilities, stating, “Scientific and technical literacy among policymakers, media, and experts is crucial. Without informed decision-making, we risk economic instability and

technological setbacks that could significantly impair national security.”

“The stakes have never been higher,” Hughes concluded. “Securing reliable access to these critical minerals will shape global economic and geopolitical landscapes for decades. Immediate and cohesive action is not just advisable—it is essential.”

About the Critical Minerals Institute (CMI):

The [Critical Minerals Institute \(CMI\)](#) is a trusted global leader in connecting companies, capital markets, and experts in the critical minerals industry. By combining in-depth research, thought leadership, and extensive industry expertise, CMI provides exclusive insights, invaluable resources, and robust networking opportunities that empower its members to thrive in a rapidly evolving global marketplace. Through collaboration with businesses, governments, and other stakeholders, CMI addresses both the challenges and opportunities within the critical minerals sector, highlighting the value, sustainability, and strategic importance of these essential materials. As a result, CMI ensures its members are equipped to drive innovation, lead in cutting-edge technology, and fuel industrial advancement worldwide.

Our **CMI** [offerings](#) include exclusive Masterclasses and the weekly Technology Metals Report (TMR), which provide pivotal industry insights. The theme for our 2025 summit, “The War for Critical Minerals and Capital Resources,” focuses on uniting industry leaders to address the pressing issues facing the global critical minerals market. This premier event, CMI Summit IV, is set to take place on May 13-14, 2025, at the National Club in Toronto, Ontario, Canada. The CMI Summit aims to foster strategic partnerships and develop actionable solutions that support the growing demand for critical minerals, crucial for

the advancement of clean energy, technology, and national security.

To secure a **CMI Membership**, [click here](#) or to secure a **CMI Summit IV** 2-day Delegates Pass, [click here](#)

A promotional graphic for the CMI Summit IV. The background is a composite image featuring a large F-35 fighter jet in the foreground, flying towards the viewer, and a smaller F-35 in the distance. The sky is filled with clouds and a bright sun. The graphic is divided into two main sections by a diagonal yellow line. The left section has a dark blue background with a subtle diamond pattern. The right section has a dark blue background with a subtle diamond pattern. The text is white and yellow.

**The War for
Critical Minerals
and Capital
Resources**

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