

The CMI Critical Minerals Watchlist 2025: A Strategic Battle Plan for the Technological Backbone of Our Future

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TORONTO, ONTARIO – April 13, 2025 – The [Critical Minerals Institute](#) (CMI) has unveiled its “**CMI Critical Minerals Watchlist 2025**,” a strategic roadmap highlighting 23 minerals crucial for global technological innovation, defense capabilities, economic stability, and environmental sustainability. Derived from a rigorous evaluation of 12 global critical minerals lists—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 minerals.

“Creating the CMI Critical Minerals Watchlist 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.”

CMI Critical Minerals List 2025

1. Aluminum (Al) – includes bauxite & high-purity alumina (HPA)
2. Antimony (Sb)
3. Beryllium (Be)
4. Bismuth (Bi)
5. **Cobalt (Co)** (*Top 5*)
6. **Copper (Cu)** (*Top 5*)
7. **Gallium (Ga)** (*Top 5*)
8. Germanium (Ge)
9. Graphite / Carbon (C)
10. Indium (In)
11. Lithium (Li)
12. Magnesium (Mg)
13. Manganese (Mn)
14. Nickel (Ni)
15. Niobium (Nb)
16. Platinum-Group Metals (PGMs) – Pt, Pd, Rh, Ru, Ir, Os
17. **Rare Earth Elements (REEs)** – La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, plus Y and Sc (Magnetic Metals: Nd, Pr, Dy, Tb, Y) (*Top 5*)
18. Silicon (Si)
19. Tantalum (Ta)
20. Titanium (Ti)
21. Tungsten (W)
22. **Uranium (U)** (*Top 5*)
23. Vanadium (V)

The Top 5 Critical Minerals on the CMI Watchlist:

1. **Copper:** Crucial for global electrification, renewable energy, and digital infrastructure.
2. **Uranium:** Vital for nuclear energy and emerging small modular reactors, central to low-carbon power.
3. **Gallium:** Indispensable for semiconductors and advanced

electronics, facing concentrated supply risks.

4. **Rare Earth Elements (REEs):** Key in defense, green technology, and electronics, heavily dominated by Chinese production.
5. **Cobalt:** Essential for lithium-ion batteries and electric mobility, challenged by ethical sourcing concerns.

The Critical Minerals Institute (CMI): *The Brain Trust of the Critical Minerals Economy.*

The [Critical Minerals Institute](#) (CMI) is a global organization dedicated to addressing the challenges and opportunities in the critical minerals sector. CMI's mission is to equip businesses, governments, and stakeholders with comprehensive resources and insights into the value, sustainability, and strategic importance of critical minerals essential for technological and industrial advancement. Serving as an international hub, the Institute links companies, capital markets, and experts through exclusive **CMI Masterclasses**, a weekly **Critical Minerals Report** (CMR), in-depth research publications, and board-level advisory services.

CMI's reach is amplified by its parent, [InvestorNews Inc.](#)—an independent newsroom that produces more than 120 million impressions annually via articles, C-suite videos, podcasts, and InvestorTalk events. This media engine syndicates CMI content to Google News, Bloomberg, Reuters, and major AI platforms, giving members immediate global visibility. Complementing that exposure is CMI's elite Brain Trust, a multidisciplinary think tank of engineers, analysts, financiers, and policymakers who deliver rapid-response analysis and bespoke strategic guidance. Mark your calendar for [CMI Summit V—"Command Capital in Critical Minerals: Aligning Government Priorities with Private Equity"](#)—in Toronto on May 13-14, 2026, where the Institute's global network meets to shape the future of the sector. By uniting unrivaled

media reach with deep technical expertise and high-impact events, CMI positions its members to lead the emerging critical minerals economy.

CMI Directors 2025:

<ul style="list-style-type: none">– Tracy Hughes, Executive Director– Brendon Grunewald, Executive Director<ul style="list-style-type: none">– Jack Lifton, Co-Chair– Melissa Sanderson, Co-Chair– Alastair Neill, Director– Christopher Berlet, Director– Christopher Gibbs, Director– Geoff Atkins, Director	<ul style="list-style-type: none">– Kevin Ernst, Director– Kiana Kianara, Director– Peter Cashin, Director– Peter Clausi, Director– Stephen Burega, Director<ul style="list-style-type: none">– Stephen Lautens, Director– Tuan Tran, Director
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To discuss the **CMI Critical Minerals 2025 List**, please contact CMI Director Alastair Neill at asneill@rogers.com +1 (416) 670 2868.

For more information, please contact Raj Shah, Assistant Editor & Publisher of the **Critical Minerals Institute's** weekly **Critical Minerals Report** (CMR), at +1 (647) 289-7714, via email at Raj@criticalmineralsinstitute.com, or visit us online at CriticalMineralsInstitute.com.

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