

# Minetek Champions US - Australia \$8.5B Critical Minerals Pact with ESG-Ready Solutions

*New Framework unlocks investment; Minetek's evaporation, attenuation, and ventilation tech accelerate secure, compliant projects while ensuring ESG compliance.*

COLUMBUS, OH, UNITED STATES, October 29, 2025 /EINPresswire.com/ -- Minetek, a global authority in mining performance technologies, endorses the United States–Australia Framework for Securing Supply in the Mining and Processing of Critical Minerals and Rare Earths. The agreement was signed on October 20, 2025, in Washington, D.C., by President Donald Trump and Prime Minister Anthony Albanese. It mobilizes at least US\$1 billion in financing from each nation within six months, catalyzing a US\$8.5 billion pipeline of priority projects in trusted jurisdictions. Minetek positions itself as the indispensable partner for the critical minerals sector. It delivers mechanical water evaporation, [sound attenuation](#), and underground ventilation systems engineered for ESG excellence, operational resilience, and accelerated timelines under the Framework.



The pact counters China's dominance over 70% of global rare earths and its recent export restrictions on magnets and semiconductors. Mechanisms include the U.S.-Australia Critical

Minerals Supply Security Response Group, streamlined permitting, joint financing via guarantees, loans, and offtake agreements, plus price-support standards with potential floors. It also enables diplomatic deterrence of adversarial asset acquisitions and enhances recycling and geological mapping. Australia leads the world in lithium production, ranks fourth in rare-earth production, and hosts 89 active rare-earth exploration projects. The nation gains fast-tracked

approvals, investor certainty, and full-value-chain expansion. The Reserve Bank of Australia's October 2025 Bulletin projects robust near-term lithium and copper growth. It expects long-term output could be 2.5 times higher by 2050 under the IEA Stated Policies Scenario.



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*Dallas Bird*

What the Framework enables:

- US\$8.5 billion in critical minerals and rare earths investment.
- At least US\$1 billion each from the U.S. and Australian governments within six months.
- Creation of the U.S.-Australia Critical Minerals Supply Security Response Group for project alignment and due diligence.
- Joint project financing coordinated through guarantees, loans, and long-term offtake agreements.

“Geopolitical volatility demands solutions that de-risk projects from day one,” stated Minetek Managing Director, Dallas Bird. “Our pre-engineered, modular technologies are proven in over 3,200 installations across 60 countries. They ensure compliance with stringent ESG mandates, slashing energy costs while enabling 24/7 operations. As governments deploy price floors and capital screens against adversarial influence, Minetek guarantees bankable performance for allied supply chains.”

### Framework-Aligned Solutions

Minetek's zero-discharge evaporators manage process water, tailings, and stormwater at the lowest lifecycle cost. At a Missouri cobalt site, our Evaporator units kept dam levels safe during extreme inflows. This prevented downtime and ensured environmental integrity. We can predict the efficiency of our evaporators on your site using specific data inputs, such as humidity, rainfall, elevation, pan evaporation, Total Dissolved Solids (TDS), and temperature. Request your

obligation-free [evaporation efficiency analysis](#).

Since 1984, Minetek has provided sound attenuation solutions, which reduce accumulated site noise from mobile and fixed asset machinery. Our customized M-Stealth packages are designed with minimal components and weight to maintain critical airflow, ensure regulatory noise thresholds are met, and maintain accessibility for maintenance. By enabling compliance and operational continuity, these solutions directly strengthen the goals of the United States–Australia Framework for Securing Supply in the Mining and Processing of Critical Minerals and Rare Earths, ensuring resilient, responsible growth in critical supply chains.

Engineered with the mining industry at the forefront, Minetek's Raptor™ & Crusher underground ventilation fan range helps operations exceed ESG goals by utilizing forward-thinking solutions that save OPEX over the entire Life Of Mine. The Raptor™ secondary fan range uses 65 HP / 50 kW less power than other industry-standard Twin 145 HP / 110 kW fans, lowering costs while delivering high-pressure airflow and offering unmatched installation flexibility. By providing effective airflow and temperature control, these fans help maintain safe, compliant ventilation while significantly reducing power consumption. Available in a variety of sizes and motor options to meet your specific duty point requirements, these high-pressure, high-efficiency fans are built to perform. This is critical for Western Australia's lithium basins, U.S. cobalt operations, and deep rare earth mines like Mount Weld. Request a fan curve for your site-specific requirements.

Minetek's Australian and U.S. facilities enable swift, localized deployment across AU/US-aligned markets. Integrated ESG reporting streamlines due diligence for lenders, while rapid installation aligns with six-month financing milestones.

As the Framework integrates minerals into defense partnerships, Minetek calls on stakeholders to embed proven technologies from the outset. Recent moves include Australia's US\$1.2 billion Anduril acquisition, US\$2.6 billion Apache purchase, and US\$2 billion in contributions to submarine bases. Early adoption transforms investment into resilient, sovereign outcomes for clean energy and national security.

[Contact Minetek](#) for tailored consultations on Framework-eligible projects.

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