News Brief from Mark C. Jensen, CEO, ReElement Technologies Corporation
Innovators in Rare Earth Elements and Critical Minerals Refining

ReElement's new era: blockchain for mineral traceability; new patent applications

2025 Year in Review: select highlights across financing, supply chain, facilities & recognition

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As this year comes to a close, we would like to extend our sincere gratitude to our partners, investors, suppliers, customers, and other stakeholders for the trust and confidence you have placed in ReElement Technologies.

2025 has been a year of significant momentum and expansion, marking a pivotal chapter in our company's evolution and in the broader critical minerals market. We look forward to an equally exciting 2026.

Before highlighting some of the milestones we reached in 2025, I'd like to mention three advancements from December: a blockchain agreement to enhance mineral traceability, five new patent applications, and additional funds to support our expansion.

December highlights

✅ Blockchain-Enabled Traceability for Critical Minerals

On December 1, ReElement **announced** a strategic partnership with **SAGINT** Inc. to implement blockchain-based tokenization for global critical mineral traceability and transparency. This collaboration introduces a digital asset framework for refined rare earth and critical minerals - creating a blockchain-powered “mineral dollar” that supports

2025 Year in Review

Select Highlights Across Financing, Supply Chain, Facilities & Recognition

Financing

✅ Successfully closed our Series A financing round, raising approximately $16 million to support multiple material validation programs, establish long-term strategic partnerships, advance R&D and intellectual property development, and expand our Noblesville Commercialization Facility.

✅ **Received an $80 million loan** commitment from the **U.S. Department of War** as part of a $1.4 billion dollar partnership with magnet manufacturer Vulcan Elements to support advanced rare earth separation, metallization, and magnet manufacturing capabilities in the U.S. This is expected to enable production of up to 10,000 metric tons of NdFeB magnet material, directly addressing one of the most significant gaps in the U.S. critical minerals value chain - the mid-stream. The $80 million commitment from DOW **follows** a $2 million award from the department earlier this year to

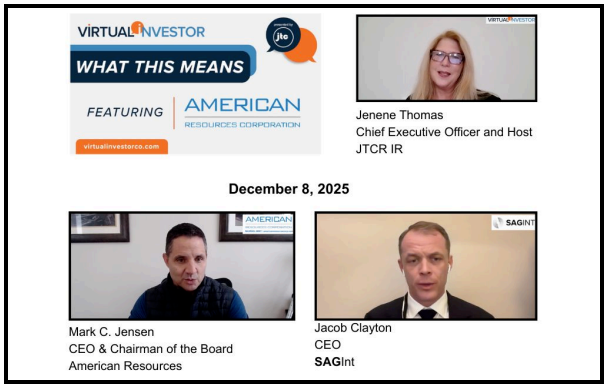
provenance verification, compliance assurance, and trade finance.

The platform delivers end-to-end, immutable traceability from source to market and enables faster, lower-cost cross-border transactions through automated settlement and digitized trade documentation. By digitizing warehouse receipts and compliance records, the system reduces counterparty and geopolitical risk while enhancing transparency for government, defense, and infrastructure customers.

SAGINT's system will operate directly within ReElement's facilities, providing real-time, verifiable data across sourcing, shipment, processing, and final product delivery. This capability directly supports defense manufacturers' traceability requirements and aligns with next-generation digital infrastructure standards for U.S. critical materials—both domestically and across international operations.

By integrating SAGINT's institutional-grade tokenization infrastructure, ReElement is establishing one of the most secure and compliant critical mineral supply chains in the industry—supporting U.S. energy independence, national security, and global market leadership.

What do block-chain and tokenization mean for a company like ReElement? Tune in to the **AREC / ReElement, SAGINT video** I recorded with SAGINT CEO Jacob Clayton to find out.



✅ Feedstock Financing Strengthens AREC - ReElement Critical Mineral Platform

On December 3, American Resources (NASDAQ: AREC), ReElement's strategic affiliate and former parent, announced a $5 million line of credit from **Old National Bank** to support the sourcing and procurement of critical and rare earth feedstocks. The facility enables the acquisition of end-of-life materials, manufacturing scrap, natural ores, and

support U.S. rare earth element chromatographic refining. We are honored to have the support of the U.S. DOW to address vulnerabilities in our defense industrial base.

✅ Received multiple letters of intent from private equity investors to complement the loan commitment from the U.S. Department of War, supporting the continued growth of our multi-mineral, multi-feedstock refining platform. We are highly encouraged by the opportunity to partner with such strong financial sponsors as we execute on our mission.

✅ Receivied multiple partnership investments from **Novare Holdings of South Africa** to help **catalyze ReElement's Indiana facilities' expansion** and **launch an Africa-based** operating facility.

Supply Chain: Upstream/Intake, Downstream/Offtake

✅ Established a long-term commercial partnership with Korea's **POSCO International** to advance U.S. rare earth refining capabilities. Together, we are establishing a joint feedstock task force to source domestic and international rare earth materials from recycled sources, natural ores, and concentrates, with the objective of developing a fully integrated rare earth and permanent magnet production complex in the United States.

✅ Established a long-term partnership and binding supply agreement with U.S.-based magnet manufacturer **Vulcan Elements** to supply magnet-grade, high-purity heavy and light rare earth oxides, with support from the U.S. Department of War. This strategic collaboration integrates ReElement's advanced refining and magnet recycling capabilities with Vulcan Elements' domestic magnet manufacturing, creating a cost-effective, scalable, and fully U.S.-based rare earth magnet supply chain.

✅ Established intake partnerships, including agreements with **e-waste recycler ERI** and our affiliate **Electrified Materials** to preprocess and recycle e-waste and end-of-life materials as well as collaboration with **Impossible Metals** and the **American Samoa Economic Development Council** to separate and refine REEs and critical minerals from deep sea nodules.

✅ Signed a collaboration agreement with **Pensana PLC** to to support development of the Longonjo rare earth project - one of the world's largest and highest-grade rare earth deposits -

concentrates that flow into ReElement's advanced refining platform for separation, purification, and conversion into high-value, high-purity products.

While ReElement operates as a standalone refining company, AREC continues to function as an upstream and downstream solutions-oriented critical mineral platform - aggregating feedstock, financing material flows, and investing in enabling infrastructure across the value chain. AREC controls more than 120 million tons of fully permitted, pre-mined coal-based byproducts across Kentucky and West Virginia, supported by existing logistics and infrastructure - creating one of the fastest, lowest-cost domestic pathways for producing rare earth concentrates for refinement.

Complementing this feedstock and financing strategy, AREC has also made an equity commitment to SAGINT, Inc., reinforcing its role in building the digital, traceable, and compliant infrastructure required for next-generation critical mineral supply chains. Together, these initiatives reflect AREC's evolution into a fully integrated critical mineral solutions platform, supporting ReElement's refining operations while advancing a resilient, circular, U.S.-based critical minerals economy aligned with national security and industrial competitiveness.

✅ Expanded Intellectual Property Portfolio with New Critical Mineral Patent Applications

On December 10, ReElement announced the filing of **five new patent applications** designed to expand its intellectual property portfolio across rare earth and critical mineral refining technologies.

Why this matters:

- The new patents strengthen the United States' domestic capability to refine antimony, germanium, terbium, gallium, gadolinium, yttrium, and associated heavy rare earth oxides - materials essential to advanced manufacturing, electrification, and national security.
- The patent applications align the technology with high-demand markets and immediate commercial opportunities.
- ReElement developed the patent applications using advanced software capabilities - including machine learning - with financial support from Royalty Management Holding Corp. (NASDAQ:RMCO), which will receive a

in Angola, providing for up to 20,000 tons per year over an initial five year period.

✅ Validated commercial-scale production and refinement of **antimony** from African-sourced stibnite concentrate. ReElement's innovative refining platform has established proprietary process flow sheets to directly produce antimony trisulfide and antimony trioxide from stibnite ore, prior to any conversion into metallic antimony. This capability enables a more efficient, flexible, and cost-effective pathway across the antimony value chain. These refined antimony compounds are critical inputs for batteries, flame retardants, munitions, electronics, and other high-value commercial and defense applications.

✅ Established a mid-stream partnership with **Principal Mineral** to integrate separation, fluoride production, and metallization into a unified, end-to-end process under one roof. Initially, development activities will take place in Marion, Indiana, and Camden, South Carolina.

✅ Signed a **framework agreement with Uzbekistan** to source, process and refine critical minerals, beginning with tungsten, a strategic mineral essential to national security and advanced manufacturing.

✅ We continue to showcase the versatility and performance of our refining platform while building long-term partnerships with a diverse set of end-users of high-purity critical minerals - including yttrium, germanium, gadolinium, gallium, terbium, samarium, dysprosium, and antimony - as well as core magnet elements such as neodymium and praseodymium. We look forward to sharing further updates in the near future.

Facilities, Refining

✅ We continue to make significant progress in expanding our processing and refining capacity while increasing and validating the purity of our refined critical minerals and rare earth products, achieving up to 99.999% purity for select ultra-scarce elements in high demand across defense, commercial, and advanced technology applications. While our near-term priority remains speed to market to address supply chain vulnerabilities and urgent customer needs, we remain equally committed to ongoing innovation and continuous process efficiency improvements.

✅ Completed a 141% expansion of our Noblesville critical mineral refining facility, increasing the footprint to more than 16,500 square feet and enabling near-term

royalty interest on refined output produced under the patented processes.

A New Model for Domestic and Allied-Nation Refining Capacity

ReElement's innovative refining platform is designed for rapid deployment, minimal footprint, and ultra-high-purity output - delivering a step-change improvement over traditional refining approaches while significantly reducing environmental impact. The platform enables:

- Rapid deployment across U.S. and allied-nation supply chains
- Co-location with mining, concentration, recycling, or preprocessing assets
- Lower capital and operating costs compared to legacy refining infrastructure
- Cleaner, solvent-free processing with substantially reduced waste streams
- Compatible with U.S. environmental and regulatory standards

refining capacity exceeding 200 metric tons per year of ultra-pure separated defense elements and rare earth oxides with purities ranging from 99.5% to 99.999%.

✅ Advanced the build-out of our Marion, Indiana, Supersite with the ordering and installation of large-scale equipment, targeting initial commissioning in April 2026 and an initial Phase 1 capacity of approximately 3,000–4,000 metric tons per year to support growing customer demand.

Other Recognition

✅ Received the 2025 Trusted Tech Leadership Award from the **Krach Institute for Tech Diplomacy at Purdue University.**

✅ Recognized as a finalist in the **National Science Foundation's** Regional Innovation Engines competition. ReElement is a member of the Critical Materials Crossroads consortium, and is scheduled to host the NSF's final evaluation team in early 2026.

Have your interview or podcast featured here and expand your reach!

To speak with or interview a member of our executive team, please contact **Marjorie Weisskohl** at All Seasons PR or Mark LaVerghetta through the ReElement **website.**

We developed this email list with you in mind. However, if you wish to unsubscribe, please click the link below. We hope you stay in touch.

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