

Rare Earth Metals: Profit from Progress

EVs, renewable energies, fast internet with fiber optics – technological changes are progressing with giant strides. Benefit from it, with the purchase of rare earth metals as a tangible asset. These metals are inflation and crisis-proof, with a substantial future.

The Basics

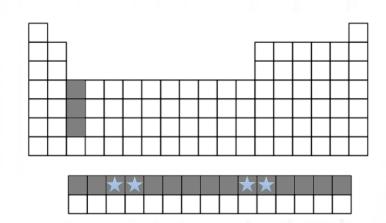
17 Rare Earth Elements (REE) on the Periodic Table

First REEs mined in Sweden in 1800s and remaining elements discovered until 1940s

Unique magnetic, heat-resistant, and phosphorescent properties not found in any other elements – cannot be substituted

Abundant REE deposits worldwide, however considered rare because most deposits are low in quality and concentration – making them uneconomical to mine

Produced primarily through open-pit mines, brought out as cluster ores (multiple elements), then isolated into smaller REE elements



Long-Term, Sustainable Demand

First major industrial production for REEs in 1965 with the development of color television

During 2000s the demand for Rare Earth Elements began to skyrocket – primarily with defense, aviation, consumer electronics, and low carbon industries

Currently no alternatives to substitute the innovations of Rare Earth Metals



Dysprosium [Dy]





- Silvery-grey metal that is elastic and flexible
- Highest strengths of magnetic elements, used in permanent magnets to function at high temperatures
- Shielding agent for nuclear reactors
- Production of laser materials, glass, and halogen lamps, computer hard disks, and energy efficient vehicles



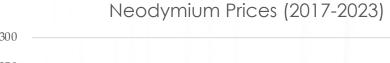


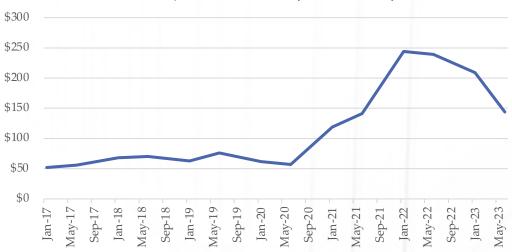
Neodymium [Nd]





- · Corrosion-proof, inflammable, pinkcolored oxide
- Magnetic properties can hold 1300x its own weight
- Largest application in wind turbines
- Demand growing among electric car manufactures – critical for EV engines
- Also used in consumer electronics and infrared lasers for industrial and defense applications





Praseodymium [Pr]





- "Twin" to Neodymium. Inflammable, dark brown to black powdered oxide
- Used mainly to produce permanent magnets
- Manufactured in alloys with magnesium to produce high-tensile strength metal for aircraft turbines
- Improves UV absorption for protective eyewear
- Most demand for this REE global producers cannot satisfy the increasing supply/demand inefficiency for Praseodymium



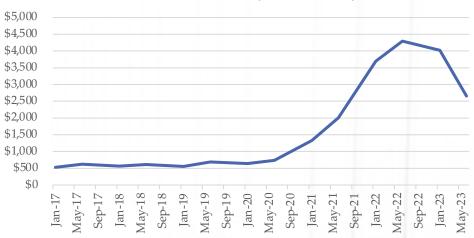
Terbium [Tb]

- In its oxide form, Terbium is a blackishbrown powder. In metal form, terbium is so soft that it can be cut with a knife
- Production of semiconductors
- Found in compact fluorescent lighting, color displays, and as an additive to permanent rare earth magnets to function better under high temperatures
- Established in fuel cells, electronic devices, naval sonar systems designed to operate at elevated temperatures





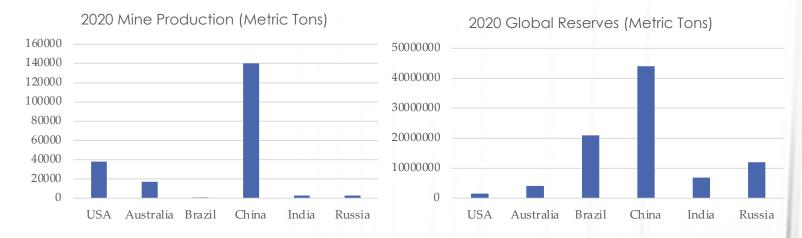




Protected Supply

China monopolizes the world's mineable REE deposits

- 90% of REE production from China
- Estimated 40% of global reserves in China



TIMELINE

1880s: Discovery of REEs in Sweden

1960s: Large dem and for color TVs sparks major production of REEs 1980-2000: USA dominates REE production

2000s: Overseas growth, cheaper labor costs, and environmental pressures shifted REE production dominance to China 2018: China strategically floods the global market with cheap REEs to drive out current and future competitors 2019: China threatens to cut off REE to USA during trade war. USA heavily dependent on REEs, imports 80% of its REE needs from China

Benefits of Tangible Asset Purchase

Physical Purchase – driven simply by Supply and Demand

Exchange-traded metals do not physically belong to the investor, tangible assets do

Crisis-Proof and Inflation-Proof

Safe-haven to protect wealth against global pressures on fiat currency

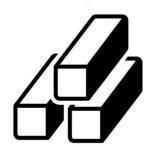
Tax Benefits

- When sold, the profits attract neither withholding tax nor solidarity surcharge.
- Income tax is payable on the profits only if they are sold within one year of their purchase
- No capital gains tax, no wealth tax, no VAT applied to an alternative investment by physical purchase

Appreciation (Strong Demand, Low Supply) – raw material resources are finite

 The increasing demand for high tech products, digital technologies and renewable energies is making REEs more sought after. Upside strengthened by the growing world population and the development of emerging countries

Liquidity – industrial buyer is always eager and ready to purchase the tangible asset







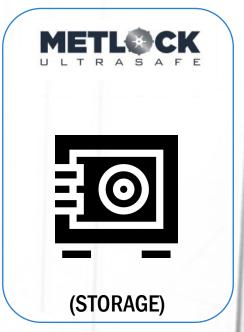
The Players

THE CLIENT

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Rare Earth Sales: Rensa Street Capital

Rensa Street Capital is an international broker for Tradium GmbH and is the select broker for Tradium GmbH in the United States



Rare Earth Sourcing: Tradium GmbH

Tradium GmbH began in 1999 Frankfurt, Germany as a byproduct of EVONIK, one of the largest specialty chemical companies in the world. Tradium GmbH sources physical REEs as tangible assets directly from wholesalers





Beijing Jiya Semiconductor Material Co. Ltd. was founded in December 1999. The ISO-certified company is based in the Haidian District in Beijing.



Ceritech is a Leipzig-based company with the goal of producing REEs without mining, developing an unconventional method for extracting rare earths from plasters. The approach is environmentally friendly and economical



SE-JONG MATERIALS Inc., a Korean company, is one of the world's leading manufacturers of zirconium and titanium powders, producing a large amount of REEs as a byproduct

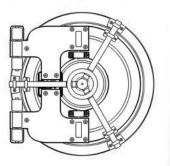
Rare Earth Storage: METLOCK GmbH

Unlike virtual investments such as shares or investment funds, tangible assets such must be stored. This takes two things: space and security.
TRADIUM's sister company, METLOCK GmbH, offers both



METLOCK: The Duty-Free Warehouse for Strategic Commodities

- Frankfurt, Germany
- High-security bunker from World War II
- Modern engineering, high-end video and monitoring system, directly connected to the police, armed security staff
- Bonded warehouse (permits storage without tariff burden and VAT)
- Security level 10 CD EX, surpassing the risk requirements of the insurers
- Goods stored in a duty-free warehouse are not considered imports under EU tax law, zero VAT and customs tax





The Process, Simplified

OFFER - Request an Offer from Tradium Gmbh for a new position of Rare Earth Elements

INVOICE - Once the Offer is accepted, the client will receive an Invoice and Agreement from Tradium and Metlock

COMPLETION - Once the Invoice and Agreement are satisfied, you will receive Ownership Certificates for your position



ANNUAL STORAGE FEE - 2% Storage Fee to protect and insure the position at MetLock



LIQUIDATION - Liquidate the position anytime. Tradium will wire your account the full balance of your position. Taxes only applied only if position is sold within one year of purchase

Contact Rensa Street Capital

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