

RARE EARTHS

ESSENTIAL TO DEFENSE

As Western nations seek secure supply chains independent of China, rare earths have become a strategic priority. These critical materials help power modern military technology, from missiles and drones to the F-35 fighter jet.

THE RARE EARTH ELEMENTS (REES) THAT HELP POWER THE F-35 FIGHTER JET¹

Seven of the 17 REEs are essential to the F-35's advanced capabilities.

60 Nd Neodymium	59 Pr Praseodymium	66 Dy Dysprosium	65 Tb Terbium
62 Sm Samarium	21 Sc Scandium	39 Y Yttrium	

ELECTRONIC SYSTEMS

Nd | Neodymium

Underpins precision laser targeting systems, allowing the F-35 to identify and engage targets at long range.

Pr | Praseodymium

Strengthens magnets used in communications and identification systems, helping the F-35 stay connected to allied forces.

Tb | Terbium

Protects sensors and avionics from losing performance in extreme heat, ensuring that mission-critical systems remain operational.

Y | Yttrium

Essential for laser targeting, infrared sensing and advanced cockpit displays, enhancing pilot awareness and battlefield effectiveness.

60 Nd Neodymium	59 Pr Praseodymium	65 Tb Terbium	39 Y Yttrium
-----------------------	--------------------------	---------------------	--------------------

A GROWING STRATEGIC OPPORTUNITY

Rare earth elements are critical to advanced defense systems, elevating the importance of miners outside China as supply chains diversify.

AIRFRAME

Scandium | Sc

Improves the airframe of advanced military aircraft, helping the F-35 stay lighter, stronger and more durable under extreme flight conditions.



PROPULSION

Nd & Pr | Neodymium & Praseodymium

Power the ultra-strong magnets that help steer the F-35 fighter, actuate flight surfaces and generate onboard electrical power, while keeping the aircraft lightweight and mission-ready.

Dy | Dysprosium

Helps NdPr magnets resist demagnetization at high temperatures, ensuring that fighter aircraft systems perform under the most demanding conditions.

60 Nd Neodymium	59 Pr Praseodymium	66 Dy Dysprosium
-----------------------	--------------------------	------------------------

Sm | Samarium

Enables high-performance magnets to operate where extreme heat would cause NdPr magnets to fail, ensuring reliable mission-critical performance.

Y | Yttrium

Supports heat-resistant coatings that help protect F-35 engine components from extreme operating temperatures.

62 Sm Samarium	39 Y Yttrium
----------------------	--------------------

Sprott Rare Earths Ex-China ETF (Nasdaq: REXC) offers investors targeted exposure to rare earths companies outside of China, positioned to benefit from rising demand and investment in global supply chain realignment.

¹ Sources: Lockheed Martin F-35 Program, U.S. Department of Defense.

An investor should consider the investment objectives, risks, charges and expenses of each fund carefully before investing. To obtain the fund's Prospectus, which contains this and other information, contact your financial professional, call 888.622.1813 or visit SprottETFs.com. Read the Prospectus carefully before investing. Funds distributed by ALPS Distributors, Inc.

Sprott