

# Vietnam Rare Earth Industry Research Report 2025-2034

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## Abstracts

Rare Earth Elements (REEs) refer to 17 metallic elements in the periodic table, including 15 lanthanide elements and scandium and yttrium. Rare earth elements can usually be divided into light rare earths (Light REEs, La-Nd), medium rare earths (Medium REEs, Sm-Ho) and heavy rare earths (Heavy REEs, Er-Lu). Rare earths are mainly used in the fields of petroleum, chemical industry, metallurgy, textile, ceramic glass, permanent magnetic materials, etc. They are known as "industrial MSG", "industrial vitamins" and "the mother of new materials" and are precious strategic metal resources.

The rare earth industry can be divided into three main parts: upstream, midstream and downstream. According to CRI analysis, the upstream of the rare earth industry includes geological exploration, mine construction and mineral processing. The output is concentrated ore enriched with rare earths, accounting for about 17% of the value of the entire industry.

The midstream is the smelting, separation and purification of rare earths, which accounts for about 27% of the value share due to high technical barriers and high energy consumption. The downstream includes processing high-purity rare earth oxides or metals into functional materials (such as permanent magnetic materials, phosphors, catalysts, alloys, polishing powders, etc.), and further manufacturing end products such as electric motors, high-performance ceramics, optical glass, petrochemical catalysts, polishing parts, etc. Among them, the value of functional materials accounts for more than 50% of the value of the entire industry chain.

So far, the global rare earth market demand has continued to grow, mainly benefiting from the demand for electric vehicle drive motors, permanent magnet materials for wind

turbines and catalysts for electronic products. The demand for permanent magnet materials is the main driving force of the rare earth market. With the increase in the penetration rate of hybrid and pure electric vehicles and the expansion of global wind power installed capacity, the demand for neodymium iron boron magnets has grown rapidly.

In addition, the demand for rare earth alloys in the high-end manufacturing field is also growing steadily, especially in key application areas such as satellite communications. CRI predicts that with the rapid development of industries such as electric vehicles and electronics, the global demand for rare earths will continue to rise in the next few years. The demand for rare earths in some emerging markets, such as Vietnam, is rising.

Vietnam is one of the countries with the greatest potential for rare earth resources in the world. According to statistics, Vietnam's rare earth reserves are about 3.5 million tons, ranking sixth in the world, accounting for about 3.9% of the world's total rare earth reserves. According to Vietnamese statistics, Vietnam's largest rare earth mine covers an area of more than 11 square kilometers, and rare earth oxide reserves exceed 5 million tons.

According to CRI analysis, Vietnam's rare earth resource potential is large and needs to be further developed. In the future, with the rapid development of the new energy industry, the global rare earth market demand will become more vigorous, and Vietnam's rare earth industry chain will have great development potential and space.

According to CRI analysis, although Vietnam currently has relatively rich rare earth reserves, its rare earth production is very low due to its backward domestic mining technology and smelting and separation technology. In recent years, the Vietnamese government has been actively promoting the development of Vietnam's rare earth and other mineral resources. Its "Overall Plan for Mineral Resources Exploration, Development and Utilization 2021-2030 (Vision 2050)" proposes to build a green circular mining system comparable to the advanced level of East Asia by 2045, and has made special arrangements for the exploration, mining, deep processing and efficient utilization of Vietnam's rare earth resources, which provides a large development space for the mining, refining and processing of Vietnam's rare earth industry.

CRI predicts that with the rising global demand for key minerals, the improvement of Vietnam's rare earth mining and smelting technology, and the improvement of relevant laws and regulations, Vietnam is expected to establish and increase considerable commercial production capacity.

CRI recommends that global mining-related companies should conduct timely research on the Vietnamese market and prepare for the layout of the Vietnamese rare earth market. CRI's Shanghai, China and Hanoi, Vietnam offices help foreign companies enter Vietnam's rare earth mining, rare earth smelting and related markets.

**Topics covered:**

Overview of the Rare Earth Industry in Vietnam

The Economic and Policy Environment of Rare Earth Industry in Vietnam

The Market Size of Rare Earth Industry in Vietnam (2025-2034)

Analysis of Major Rare Earth Industry Manufacturers in Vietnam

Main Driving Forces and Market Opportunities of Rare Earth Industry in Vietnam

What are the main driving forces, challenges and opportunities of rare earth industry in Vietnam during the forecast period of 2025-2034?

Which companies are the main players in Vietnam's rare earth industry market and what are their competitive advantages?

What is the expected revenue of Vietnam's rare earth industry market during the forecast period of 2025-2034?

Which part of Vietnam's rare earth industry market will be expected to dominate the market in 2034?

What are the main disadvantages facing Vietnam's rare earth industry?

How can foreign capital enter Vietnam's rare earth industry?

**Products Mentioned**

Rare earth, rare earth metal compounds, rare earth oxides, chemicals, high-tech materials, new energy and environmental protection, rare earth resources

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