WHAT ARE CRITICAL MINERALS?

Critical minerals, also known as strategic minerals, are a group of 35 elements that are essential for the development of many technologies and for supporting a robust and secure national energy and national security. They play a crucial role in modern technologies, particularly in electronic and transportation equipment.

WHAT ARE CRITICAL MINERALS USED FOR?

Critical minerals are essential components of our daily lives and play a critical role in economic growth and national security. They have unique magnetic, heat-resistant, and phosphorescent properties that are required in many applications. They are used in the production of various technologies, including electronics, automobiles, and defense systems.

WHERE ARE CRITICAL MINERALS PRODUCED AND SUPPLIED?

The United States is among the leading producers of critical minerals. According to the DoD, the United States is the largest producer of antimony, cobalt, lithium, and tungsten. However, demand for critical minerals is increasing, and the United States faces a growing reliance on imports.

WHERE ARE CRITICAL MINERALS FOUND IN THE UNITED STATES?

A significant amount of critical minerals can be found in the United States, particularly in Nevada, Arizona, and Utah. However, the United States also relies on imports for some critical minerals, such as lithium and cobalt.

WHAT ARE THE BENEFITS OF DEVELOPING A DOMESTIC SUPPLY OF CRITICAL MINERALS?

In addition to improving national security and economic prosperity, developing a domestic supply of critical minerals can help reduce the United States' reliance on foreign suppliers, promote economic growth, and create jobs. It can also improve the country's energy independence and reduce the environmental impact of mining.

HOW IS FCEM ADVANCING THIS EFFORT?

FCEM's work is focused on developing new technologies, exploring new mining locations, and improving existing mining practices. Through these efforts, FCEM aims to promote the responsible exploration and development of critical minerals resources in the United States.