

Oklo is building a stable U.S. supply of critical isotopes

With global supply declining and demand accelerating, Oklo will deliver the nation's first modern, integrated isotope supply chain.



Energy & advanced industry
Power electronics (silicon doping), semiconductor manufacturing, infrastructure inspection, and subsurface energy exploration.



Defense
Provide reliable, always-on power for national security platforms



Space & national security
Reliable, long-duration power for spacecraft and defense platforms.



Scientific research
Materials testing, biology, and nuclear science.



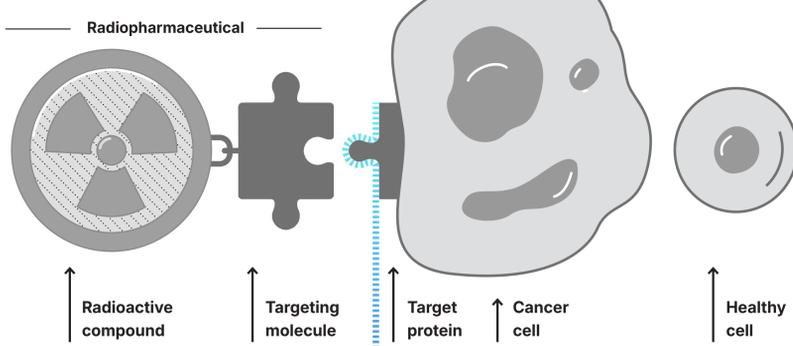
Healthcare
Tumor detection, diagnostic imaging, and targeted treatment.

50 million nuclear-medical procedures are carried out every year

Source: World Nuclear Association



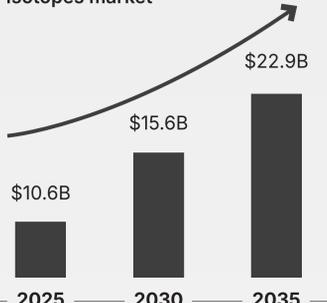
Spotlight on targeted alpha therapy: How it works to help beat cancer



In targeted alpha therapy, a radioactive compound is linked to a targeting molecule that seeks out a specific target protein on a cancer cell. Once bound, the radioactive compound delivers highly potent, short-range alpha radiation directly to the cancer cell, minimizing damage to nearby healthy cells.

Isotopes face a global shortage. Oklo has a massive market opportunity

Nuclear medicine Isotopes market



Source: Fact.MR

95% of global Mo-99 - used in diagnostic nuclear medicine imaging - comes from a handful of reactors that may close within 5-10 years



Source: NIH

Demand is rising.

By 2035, the nuclear medicine Isotopes market is expected to be worth almost \$23 billion, driven by the expanding adoption of nuclear medicine in oncology, cardiology, neurology, and theranostics.

Supply is constrained.

Most Isotopes are produced in a small number of aging research reactors, largely outside the United States. Many were built before 1975 and are expected to retire within the next decade, limiting future supply.

What happens if there is an isotope shortage?

Delayed scans and cancer treatments, bottlenecked semiconductor and materials testing, constrained development of new cancer therapies, and increased risk in other critical experiments.



Oklo and Atomic Alchemy are already advancing multiple sites to build domestic isotope production

Laboratory

Test

Commercial

Commercial



Idaho Radiochemistry Laboratory

Texas Groves Isotopes Test Reactor

Idaho Multi-Reactor Isotope foundry

Oak Ridge Advanced Nuclear Fuel Recycling Facility

De-risk and accelerate

Streamline construction

Scale domestic supply

Expand output

Generate early isotope output at this U.S. Nuclear Regulatory Commission-approved laboratory, build operational experience, and bridge the gap from pilot validation to commercial production.

Demonstrate rapid reactor deployment by demonstrating criticality in under 1 year under the DOE Reactor Pilot Program.

Deliver sustained, commercial-scale isotope production for healthcare, industry, research, and national security.

Extract high-value isotopes during advanced fuel recycling. This integrates isotope production into the fuel cycle and expands long-term domestic supply.

Timing: 2026

Timing: 2026

Timing: 2027+

Timing: 2030+