Oklo Isotopes: From Reactor Demonstration to Commercial Production

Groves-1 experience and the transition to Groves-2 Forge

Xander Bard, Oklo

Nuclear Energy and Applications Workshop
October 19, 2026



Groves-1: Demonstration and qualification

First criticality:

August 5, 2026

Deployment through the DOE Reactor Pilot Program

Operating and commissioning experience

Platform for target and capsule qualification



Groves-1 site · Image: Oklo

Experience that carries into Groves-2

Groves-1 experience	Application in Groves-2
Integrated system testing	Exercise reactor, controls, and facility interfaces together
Operating procedures and qualified teams	Develop procedures and training alongside the facility
Design feedback for production	Use field experience to improve access and maintainability

The Oklo Approach: Consolidating the Radioisotope Supply Chain

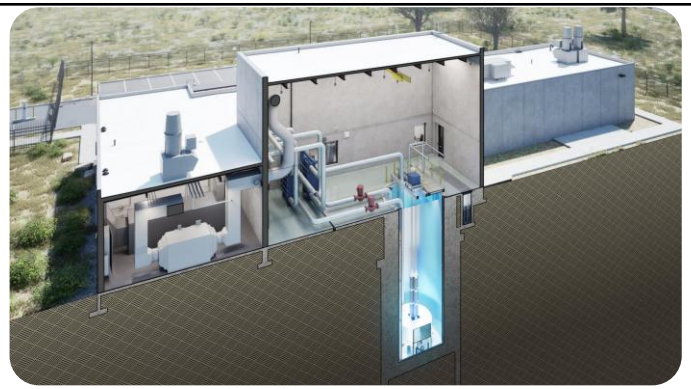
Oklo Isotopes will consolidate the radioisotope supply chain by combining irradiation, processing, and manufacturing in a singular vertically-integrated facility.

Existing radioisotope supply chain

Reactor	Processing Facility	Manufacturer	Customer
Site 1	Site 2	Site 3	Site 4

Consolidated Oklo radioisotope supply chain

Reactor, Processing Facility, and Manufacturer



Customers

North America

Europe

Rest of World

Oklo Isotopes will consolidate & streamline the fragmented legacy radioisotope supply chain

A repeatable isotope production business

Commercial delivery sets the operating mission

Groves-1 established the operating foundation

Groves-2 Forge is planned for integrated isotope production

Product qualification

Consistent products that meet intended requirements

Integrated operations

Irradiation, hot-cell processing, recovery, and packaging

Reliable delivery

Feedstock availability, maintenance, and production planning

Repeatable facilities

Reuse knowledge and adapt to each project’s scope

What should industry and government carry forward from early deployments?