



Nuclear Lifecycle Innovation Campus in Oklahoma



Oklo Overview and Background

Oklo designs, builds, owns, and operates powerhouses so customers receive clean, always-on energy under clear, low-risk commercial terms.

Our platform is organized around three integrated business lines: power, fuel, and isotopes.

Company overview

- Number of employees: Over 400
- Founders: Jacob and Caroline DeWitte
- Publicly traded: NYSE: OKLO



Why (not) Oklahoma?



Oklo's three business lines reinforce delivery of one scalable, vertically integrated nuclear platform.

Power creates demand, fuel enables deployment, and isotopes expand value through shared nuclear capabilities.



Power

Reliable
baseload power



Fuel

End-to-end
fuel fabrication and
recycling platforms



Isotopes

High-value domestic
supply for critical uses

The business lines strengthen each other by sharing capabilities across licensing, fuel, siting, procurement, construction, and operations.

About Nuclear Lifecycle Innovation Campuses



Why now?

The current models for energy and power don't work. Electricity bills are rising, the grid is strained, supply chains are increasingly vulnerable to geopolitical disruption, and power demand is growing.

The world is looking for reliable nuclear power to help meet that demand. But in the United States, we still have not solved the back end of the nuclear fuel cycle. For decades, the country has been stuck in a nuclear waste stalemate, with Yucca Mountain stalled and nearly 100,000 metric tons of used nuclear fuel stored at sites around the country. **That fuel contains the energy equivalent of 1.2 trillion barrels of oil.**

Innovation campuses offer a new path forward: convert used fuel into new fuel, permanently dispose of what cannot be recycled, and use that fuel to generate new power — while creating jobs, investment, and tremendous economic growth in the United States.

Why a campus model?

Innovation campuses provide a dedicated geographic area where reliable clean power, fuel production, and major industrial users are planned together from the outset.

By co-locating energy production with large electricity consumers along with fuel, enrichment, and other key lifecycle components, these campuses reduce infrastructure constraints (utilities, security, fenceline, transportation) while enabling long-term investment in a community.

Oklo's contribution to a campus – power, isotopes, recycling, and fuel fabrication — are only a part of what is possible at an NLIC. Significant follow on investment is expected.

What Innovation Campuses bring to Oklahoma

Create a new energy corridor. Building on Oklahoma's legacy of energy leadership.

Innovation campuses can make the state a national hub for advanced nuclear, fuel recycling, and next-generation power.

Bring a new energy resource to Oklahoma.

Turn used nuclear fuel into new fuel and reliable power. Oklo's model could generate 363 million MWh annually — nearly 4x Oklahoma's current annual electricity generation.

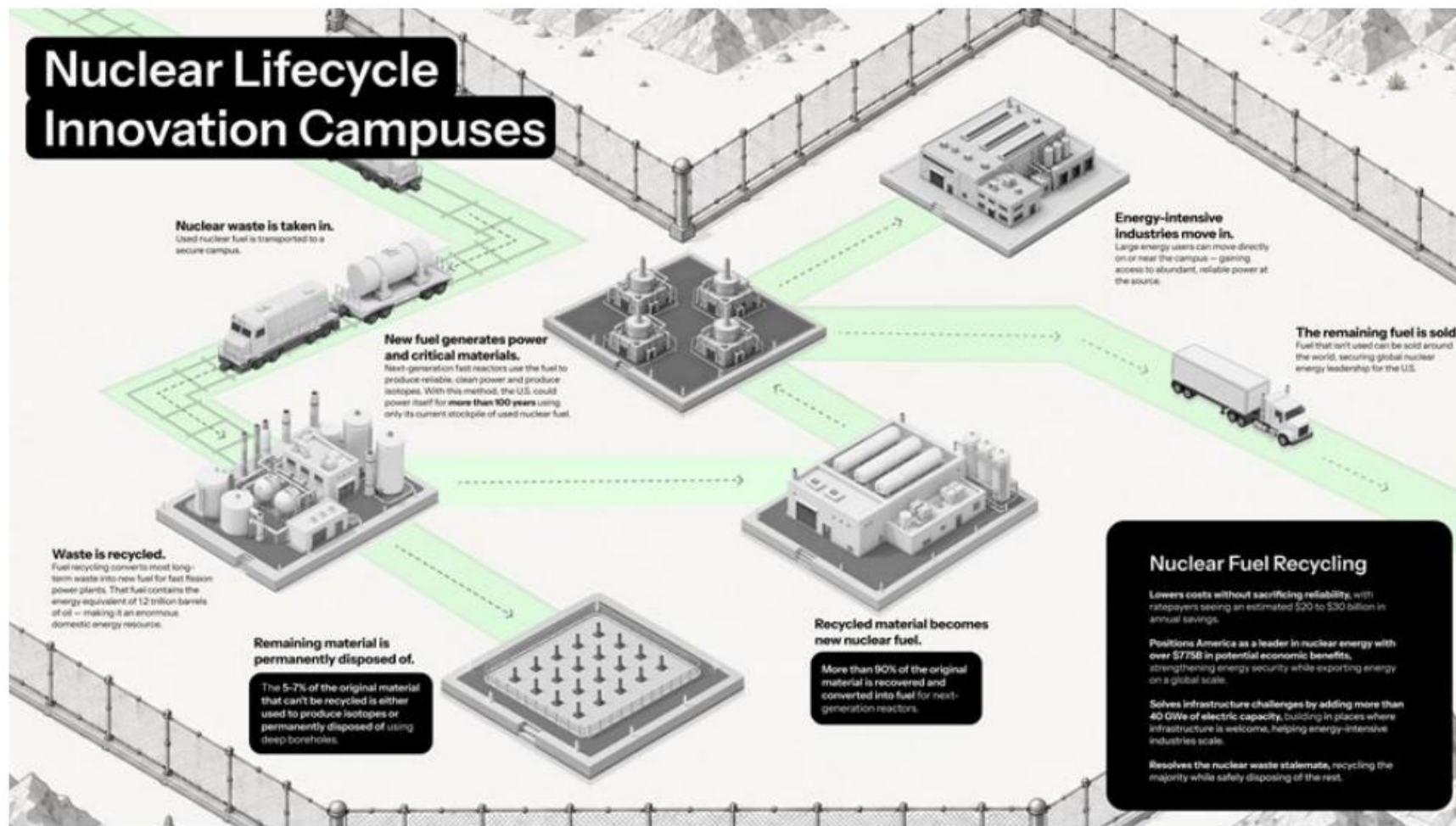
Attract the industries America is racing to build.

Abundant, reliable power can bring large offtakers, advanced manufacturing, critical minerals, defense production, and other energy-intensive industries — and their investment — to Oklahoma.

Lower costs while creating long-term economic value.

Innovation campuses can reduce taxpayer waste-management costs while creating skilled jobs, private investment, state and local revenue, and a stronger domestic energy supply chain.

Innovation Campus will bring industry to Oklahoma



Innovation Campuses build a new industrial ecosystem

Nuclear Fuel Cycle

- Fuel recycling
- Waste disposition
- Fuel fabrication
- Conversion & deconversion
- Uranium enrichment
- Uranium mining & milling

Power & Industry

- Advanced nuclear reactors
- Data centers
- Advanced manufacturing
- Medical, industrial & national security isotopes

Infrastructure & Workforce

- Secure transportation
- Workforce development
- Decommissioning & site remediation

Safety & Stewardship

- Nuclear safeguards & material security
- Safety
- Environmental stewardship

Innovation Campus by the numbers

Nationally

- Under Oklo's model, over an initial 20-year period, recycling existing spent fuel inventory could support 43.6 gigawatts of electric capacity (GWe) and generate roughly 363 million megawatt-hours (MWh) of clean electricity each year.
- By turning waste into a resource, the U.S. has the ability to create \$776.4 billion in direct economic value over 20 years — roughly \$726 billion from electricity generation and approximately \$50 billion from recovered uranium and valuable isotopes.
- Innovation campuses save taxpayers hundreds of billions of dollars, shrinking costs from \$300 billion for a deep geologic repository program to \$32 billion for recycling and borehole disposal— a roughly 90% reduction in capital costs.
- Ratepayers will see between \$10–20 billion in annualized savings

In Oklahoma

- Oklahoma alone could produce the energy equivalent of 25 billion barrels of oil using the current supply of used nuclear fuel
- Create nearly 20,000 jobs for the campus, over 4,300 of which will be Oklo

Community engagement across the project lifecycle

Continuous engagement — before permitting, through construction, and into operations.

1 Early Development & Permitting

- Identify key stakeholders and build initial relationships
- Listen early to community priorities and concerns
- Share project information and intent transparently
- Incorporate feedback into project planning
- Establish recurring engagement channels

2 Pre-Construction & Construction

- Provide regular project updates
- Coordinate closely with local government
- Engage continuously on environmental stewardship
- Invest in workforce and training
- support public safety and preparedness
- Maintain a visible local presence

3 Operations & Long-Term Presence

- Maintain open, two-way communication
- Strengthen workforce and education pipelines
- Advance environmental stewardship
- Invest in the community for the long term
- Build a legacy of trust and partnership

Engagement Principles — These guide every decision we make



Listen first.
Respect always.



Be transparent.
Communicate plainly.



Show up
consistently.



Build trust before
asking for anything.



Follow through. Do what
we say we will do.



Create long-term
value together.

Power



Example: Aurora powerhouse in Idaho



Small and simple design

Fewer parts | Highly repeatable factory fabrication



Proven technology

Reduced supply chain complexity & risk | Readily available components



Low cost

Cost competitive & capital efficient | Standardized factory fabrication



24/7 clean, reliable power

Unique fuel flexibility (fresh or recycled)



Inherently safe

Inherent safety attributes (enabling passive safety systems) | Non-pressurized environment



Fuel Recycling and Fabrication



Example: TN Advanced Fuel Center

Located on a ~248-acre site in Oak Ridge

Designed to meet federal, state, and local environmental requirements

First phase: Fuel recycling facility

Future phases: Fuel fabrication & space for reactor deployment (subject to offtake agreements)

Project summary

800+ Permanent jobs

\$1.68B Privately funded investment



Advanced fuel recycling technology

Oklo will use advanced fuel recycling to recover valuable materials from used nuclear fuel and convert them into new fuel for next-generation reactors

Key capabilities

Recycles used nuclear fuel from today's reactor fleet into new fuel for advanced fast reactors

Produces radioisotopes critical for healthcare, research, and national security applications

Advantages

Enables a closed fuel cycle

Maximizes energy extracted from existing materials

Eliminates liquid waste streams, reducing environmental risk

Has compact footprint and lower overall hazard profile

Safety & security by design

Ensures materials remain mixed with other actinides—no pure plutonium stream, which enhances nonproliferation

Meets NRC safeguards and material control requirements

Relies on engineered systems to manage all process materials within regulated frameworks

What is pyroprocessing?

Pyroprocessing is an advanced electrochemical technology for used fuel recycling. It is a modern alternative to legacy aqueous-based methods (e.g., PUREX).

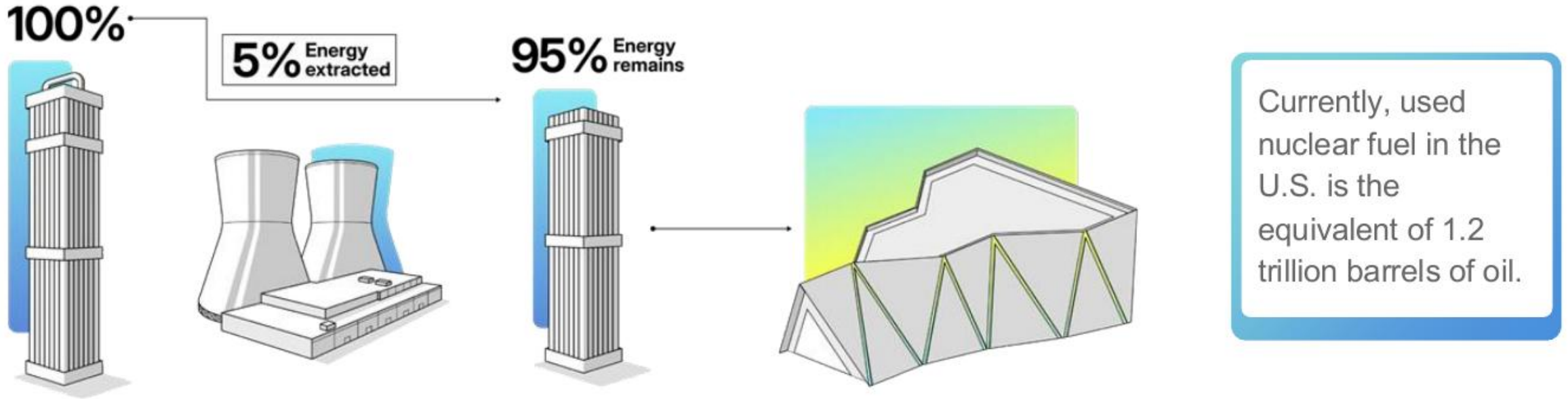
Pyroprocessing differs from legacy methods in several ways:

- **Supports security and safeguards** by avoiding a separate plutonium stream
- Relies on a dry process that **does not create large liquid waste streams**
- **Requires a smaller footprint** and staff than legacy approaches
- **Integrates very well** with fast reactors and metal fuel



Most of the energy in nuclear fuel is never used

In traditional light water reactors (LWRs) today, fuel is removed after a single use even though around 95% of the energy remains.



Source: International Atomic Energy Agency | <https://www-pub.iaea.org/MTCD/Publications/PDF/Pub1754web-26894285.pdf>

The bottom line: Nuclear waste is manageable, and recycling makes it more so

Oklo's fuel recycling approach turns existing material into decades of clean energy, reduces the long-term waste burden, and addresses nonproliferation concerns because it does not produce a separate plutonium stream.

Source: International Atomic Energy Agency |
<https://www-pub.iaea.org/MTCD/publications/PDF/PUB2111web.pdf>

Conventional way



Oklo's way



Isotopes



Example: Oklo's first isotope facility went from greenfield to operational in just over 11 months.

September 2025



March 2026



August 2026



Validates Oklo's ability to efficiently site, construct, and operationalize nuclear infrastructure at industry-leading speed.⁽¹⁾

Sources:

(1) [Locations of Nonpower Production and Utilization Facilities](#)

Where and how isotopes are applied



Energy & advanced industry

Power electronics (silicon doping) |
Semiconductor manufacturing |
Infrastructure inspection |
Subsurface energy exploration



Space & national security

Reliable, long-duration power for
spacecraft and defense platforms



Defense

Radiation detection | System
calibration | Mission-critical sensing
applications



Scientific research

Materials testing | Biology |
Nuclear science



Healthcare

Tumor detection, diagnostic
imaging, and targeted treatment

Oklo is already advancing multiple sites to build out domestic isotope production

Idaho

Radiochemistry Laboratory | De-risk and accelerate

Timing: 2026

Generate early isotope output at this NRC-approved laboratory

Build operational experience

Bridge the gap from pilot validation to commercial production

Idaho

Multi-reactor isotope foundry | Scale domestic supply

Timing: 2027+

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

Texas

Groves Isotope Test Reactor | Demonstrate execution

Timing: 2026

Demonstrate rapid reactor deployment by reaching criticality within a year under the DOE Reactor Pilot Program

Oak Ridge, TN

Advanced Fuel Center | Expand output

Timing: 2030+

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

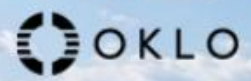
Recap: Innovation Campus by the numbers

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Occlusion Nuclear Solutions

Decades of oil & gas expertise, engineered for nuclear solutions

Occlusion Nuclear Solutions Ecosystem



Monitoring

- Cloud Native SCADA built on an Agentic framework
- Connectivity available in 174 countries
- Full suite of surface and subsurface sensors
- Installation / Calibration framework
- Agentic Alerting / Alarming
- 24/7/365 Remote Operating Center
- Field Hardened
 - Solar
 - Cell/Satellite
 - Self Healing



Data/Tech Services

- Agentic ML/AI framework
- Blockchain anchored
- Full Suite Application Build
- Unstructured / SemiStructured / Structured processing
- Reporting Framework
- Currently processing 100MM records daily
- From Sensor to Boardroom approach
- Patented platform and processes



Field Svcs – Tech

- Petroleum / Reservoir Eng
- Landowner Relationships
- Full-Service Installation of our Tech
- Site Survey / Eng / Prep
- Military / 2nd Chance Framework
- Global Footprint
- Field Technologies
 - Field Data Capture
 - Proximity Planner
 - Drone Monitoring
 - Remote Monitoring
 - Subsurface
 - Surface



Field Svcs - GSD

- Safety First Culture
- Field / Well Workovers
- Cementation Svcs – Proprietary License
- Drilling / Completions
- Engineering / Design / Fabrication
- Owner / Operators
- Global Experience
- Well Plugging and Abandonment
- Halliburton Partnership for State Programs



Program Management

- Project Leadership
 - Scope, schedule & budget management
 - Regulatory & stakeholder coordination
 - Risk & change management
 - Cross-functional team integration
 - Contract & vendor oversight
- Change Management
- Public / Private Structures
- \$4B to \$40K portfolio experience
- Global Project Scope

Occlusion Nuclear Solutions - Our Why

- **Oklahomans to the core – living, contributing, and raising our families here**
- **Everyone gets home Safe**
- **Solver of Problems – we fill the gaps**
- **Decades of Energy Experience that has been honed Globally**
- **Stewards of those opportunities we are fortunate enough to participate in**
- **With our nuclear partners we are marrying two industries – while very similar couldn't be more different**
- **Let's leave it better than we found it**