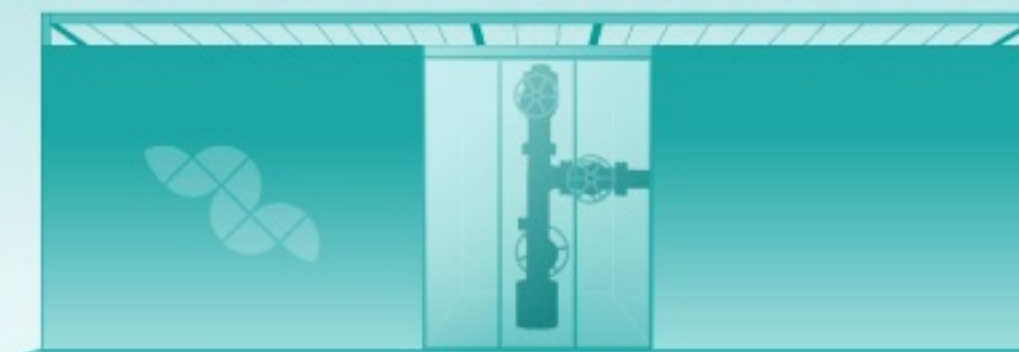


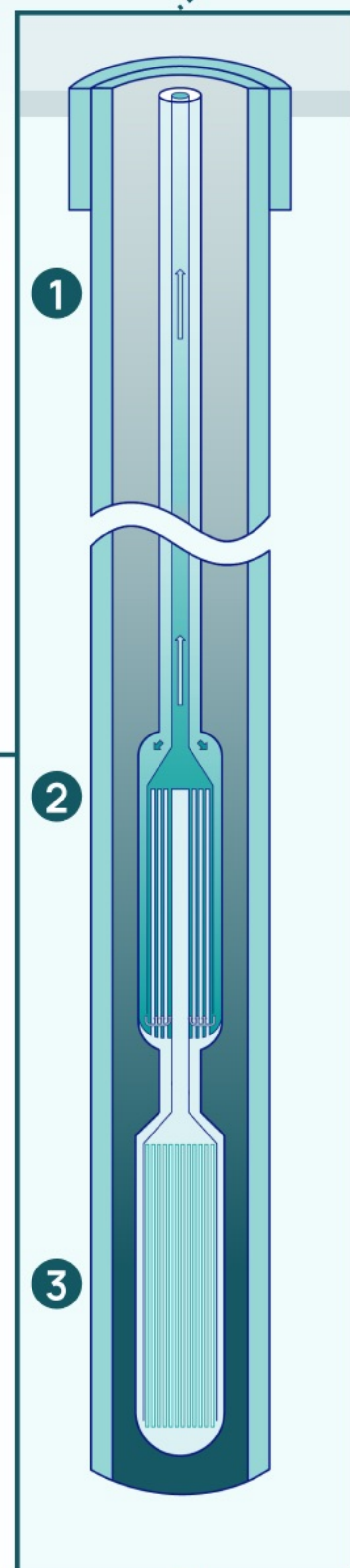


DEEP FISSION



Gravity Nuclear Reactor™ A Fast Path to Scale Nuclear Power

Small modular reactor (SMR) based on established pressurized water reactor (PWR) technology, with novel emplacement in deep boreholes approximately one mile below the Earth's surface.



1Mile

01 Competitive Advantage

Simple to Repeat

Leveraging existing supply chain strengths and readily available Low Enriched Uranium (LEU) fuel.

Fast to Build

Targeting ~6 Months per reactor. Expected to have dramatically smaller surface infrastructure.

Familiar to Regulators

Built on PWR and other existing technologies.

02 Integrating Mature Technologies

1 Deep Borehole Drilling

Optimized borehole design intended to be drillable using proven oil and gas infrastructure for containment one mile underground.

2 Geothermal Technology

Novel deployment approach will apply established geothermal components and processes for energy transfer to the turbine generator at the surface.

3 Pressurized Water Reactor

Hydrostatic pressure from mile-deep column of water expected to provide 160 atm of reliable pressure, safely and naturally.

03 Technical Specs

Scalable Power

Targeting up to 15 MWe per reactor, scalable with additional boreholes.

Inherent Safety

Utilize borehole water to provide essential pressure control and safety.

Standard LEU Fuel

Utilize standard LEU fuel for pressurized water reactor (PWR). Expect initial 2x2 configuration and intend to move toward 3x3 PWR fuel assembly configurations.

Spent Fuel Management

Encompasses safe interim storage pending identification of national, long-term storage solutions.

04 Leadership

Liz Muller, Co-Founder, Chair & Chief Executive Officer
Richard Muller, PhD Co-Founder & Chief Technology Officer

Mark Schmitz Chief Financial Officer
Mike Brasel Chief Operating Officer

Mark Peres Chief Nuclear Officer
Stacy Tarver Patterson Chief Marketing Officer

Jon Gordon General Counsel
Bryan Black VP, Business Development

Rani Franovich VP, Regulatory Strategy
David Nelson VP, Drilling & Completion

05 Commercial Roadmap



06 Overview

We are a nuclear energy technology company developing a SMR based on established PWR technology, with novel emplacement in deep boreholes approximately one mile below the Earth's surface.

Our Gravity Nuclear Reactor will leverage subsurface conditions to support key

containment and operating functions, including the use of hydrostatic pressure from a water column within the borehole to support reactor operating pressure and cooling, and the surrounding geological formation to provide structural confinement and shielding.

This approach is intended to reduce

reliance on large surface containment structures and other safety-related infrastructure associated with conventional nuclear power plants, support faster deployment timelines, improve security, enhance safety, and enable lower capital and operating costs relative to conventional nuclear facilities, while reducing exposure to environmental and other surface-level hazards.

07 Strategic Developments

Great Plains Development Authority

Non-binding letter of intent and executed lease agreement establish framework to develop up to 2,000 MWe at Great Plains Industrial Park in Parsons, KS.

Blue Owl Capital Real Assets Platform

Non-binding strategic relationship for the potential deployment of Deep Fission SMR projects across its digital infrastructure portfolio, alongside a \$20 million equity investment from a Blue Owl-managed fund.

Endeavour

Non-binding strategic relationship term sheet with Endeavour, a sustainable data center infrastructure company, for potential co-development of 2 GWe of nuclear energy across could provider projects.

08 Business Model

We expect to generate revenue from the following sources:

Upfront Revenue Streams (One-Time)

Reactor Delivery & Integration

Revenues associated with engineering, integration, and delivery of modular reactor units.

EPC Support

Revenues from providing site specific engineering, installation, commissioning, and related services.

Recurring Revenue Streams (Ongoing)

Intellectual Property Licensing

Recurring licensing fees associated with the use of our proprietary technology.

Operations & Maintenance Services

Revenues from long-term reactor services such as refueling, monitoring, and regulatory support.

Revenue from Electricity Sales

Select Project-Level Equity Participation

Shared project-level cash flows, which are expected to be driven by long-term power purchase agreements or similar offtake arrangements.

Growing demand for firm, dispatchable clean power, driven in part by digital infrastructure expansion and industrial electrification, is shaping market interest in advanced nuclear solutions. The Company has entered into non-binding letters of intent representing approximately **15 gigawatts** of potential future development opportunities in multiple states.

09 Board of Directors

Liz Muller, Board Chair
Leslie Tepper, Nominating & Governance Committee Chair
Jonathon Angell, Board Member
Thomas Glanville, Audit Committee Chair
Blake Janover, Compensation Committee Chair

10 Advisory Board

John Mather, Nobel Laureate in Physics
Stacy Polley, Independent Board Member of Blue Owl
Jo Riley, Co-Founder and CEO of Censia
Patrick Huston, Brig, Gen. (Ret.)
Steve Koonin, Special Government Employee, Department of Energy

Steve Chu, Nobel Laureate, former Secretary of Energy
Kristin Sverchek, Former President of Lyft
Mark Peters, CEO of Mitre Corporation
Allison Salisbury, Entrepreneur

Investor Relations: Bob Pragg | ir@deepfission.com

Media Inquiries: Chloe Frader | media@deepfission.com

Forward-Looking Statements; Disclaimer.

This document contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 that are subject to risks and uncertainties that could cause actual results to differ materially. Such statements include all statements that are not historical facts, and may be identified by words such as "expect," "will" or similar expressions. Such risks and uncertainties include those described in Deep Fission's filings with the U.S. Securities and Exchange Commission. This document is for informational purposes only and does not constitute an offer to sell or a solicitation of an offer to buy any securities. Except where otherwise stated, information provided is as of April 21, 2026.