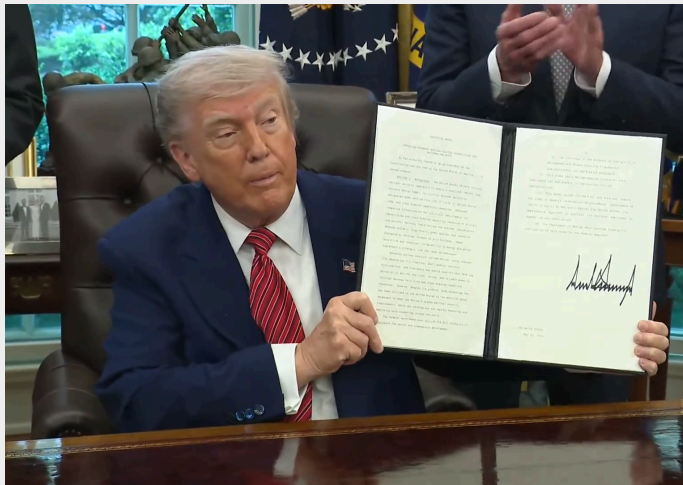




Lightbridge

Nuclear News and Updates from Lightbridge



President Trump Signs a Series of nuclear-related Executive Orders on May 23, 2025

[Read the Announcement](#)

Lightbridge Outlines Opportunities Created by President Trump's Nuclear Executive Orders

On May 23, 2025, President Trump signed four Executive Orders representing the most significant policy shift toward nuclear energy in decades. These executive orders include provisions that align closely with Lightbridge's technology capabilities and position as an American nuclear fuel technology company.

The most relevant provisions for Lightbridge come from the executive order "Reinvigorating the Nuclear Industrial Base," which directs the Department of Energy to prioritize work with the nuclear energy industry to facilitate power uprates to existing reactors.

"We believe enabling power uprates of up to 17% in existing reactors is one of Lightbridge Fuel's most value-adding capabilities. The direct policy support for power uprates aligns perfectly with the objectives of Lightbridge. Utilities seeking to implement power uprates will need cost-effective, safety-enhancing solutions, and Lightbridge Fuel is well-positioned to meet these requirements," said **Lightbridge CEO Seth Grae**.

Lightbridge Set to Join the Russell 2000® and Russell 3000® Indexes

"Being added to the Russell 2000® Index and Russell 3000® Index represents an important milestone for Lightbridge and reflects our growing market presence as we advance our transformative nuclear fuel technology. This inclusion validates our progress and enhances our visibility among institutional investors at a pivotal time for nuclear energy. As we continue executing our mission to deliver more power and optimize nuclear fuel performance and safety, we are pleased to have achieved this recognition that comes with expanded access to capital markets and increased liquidity for our shareholders." said **Lightbridge CEO Seth Grae**.

[Read the Announcement](#)

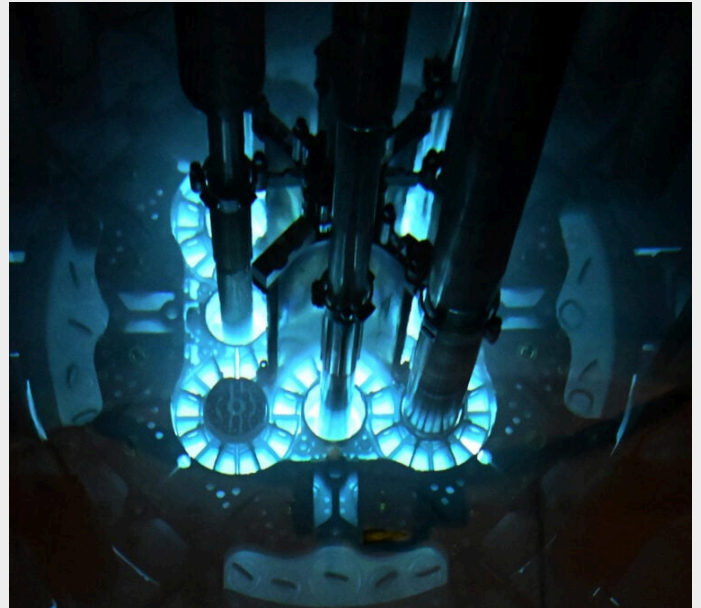


Lightbridge

Lightbridge Completes Final Experiment Design for Designated ATR Core Position

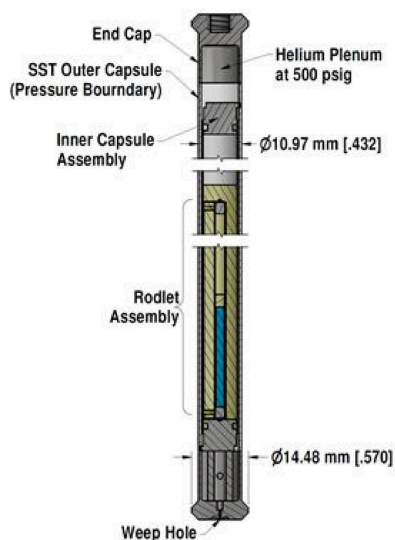
On June 2, 2025, Lightbridge announced the completion of the final design review for its upcoming irradiation experiment, marking a critical step toward advancing its next-generation Lightbridge Fuel™ product. The design review, a required approval before proceeding with the experiment, is a significant milestone in the ongoing collaboration between Lightbridge and the Idaho National Laboratory.

“China and Russia are the only other countries that we believe have test reactors with the capabilities that the Advanced Test Reactor will provide for Lightbridge. We are grateful to the U.S. Department of Energy and Idaho National Laboratory for making the important decision to allow industry to access the Advanced Test Reactor and for allowing Lightbridge to utilize this reactor,” said **Lightbridge CEO Seth Grae**.



The Advanced Test Reactor’s distinctive cloverleaf core sets it apart from every other test and research reactor in the world, and is the key to its world-leading capabilities.

[Read the Announcement](#)



Schematic of an AFC FAST test. The rodlet assembly can support two rodlets stacked upon each other and are held in place by a spring clip. The fill gas (a helium-argon blend within the helium plenum) for the insulating gas gap is added during the final weld through the weep hole.

Lightbridge Expects to Benefit from Advanced Expedited Testing Method in its Planned Irradiation Testing in the Advanced Test Reactor

“We are grateful to the U.S. Department of Energy (DOE) for providing the HEU and to INL and DOE for enabling Lightbridge fuel material samples to be tested using this innovative FAST method. It reflects the importance of strong public-private partnerships in advancing clean energy technologies. This is an excellent example of the U.S. government using its advanced technologies and resources, particularly HEU and the Advanced Test Reactor, to support commercialization of advanced nuclear fuel technologies potentially on accelerated timelines.” said Lightbridge CEO Seth Grae.

[Read the Announcement](#)



[Watch the Interview](#)



(t) Oklo CEO Jacob DeWitte and Lightbridge CEO Seth Grae interviewed on The Claman Countdown

(b) Lightbridge CEO Seth Grae interviewed on NYSE TV

[Watch the Interview](#)

Lightbridge and Oklo Sign MOU to Explore Co-Location of Commercial Fuel Fabrication Facilities and Collaboration on Advanced Fuel Recycling

On January 28, 2025, Lightbridge announced the signing of a Memorandum of Understanding with Oklo Inc., an advanced nuclear power and fuel recycling company. The MOU outlines plans to conduct a feasibility study for co-locating a Lightbridge Commercial-scale Fuel Fabrication Facility at Oklo’s proposed commercial fuel fabrication facility and to explore opportunities for collaboration in recycling nuclear waste.

“This collaboration with Oklo represents an important strategic step in shaping the future of clean energy. The potential co-location of our commercial fuel fabrication facilities could offer significant synergies in terms of upfront capital expenditures and ongoing operating costs. Furthermore, exploring advanced fuel recycling opportunities with Oklo aligns perfectly with our commitment to sustainable nuclear energy solutions,” said **Lightbridge CEO Seth Grae**.

[Read the Announcement](#)

Lightbridge Executive Vice President Dr. Andrey Mushakov Appointed to U.S. Nuclear Industry Council Board of Directors

“On May 6, 2025, Lightbridge Executive Vice President for Nuclear Operations Dr. Andrey Mushakov was appointed to the Board of Directors of the U.S. Nuclear Industry Council (USNIC), the leading U.S. business consortium advocate for nuclear energy and promotion of the American supply chain globally.

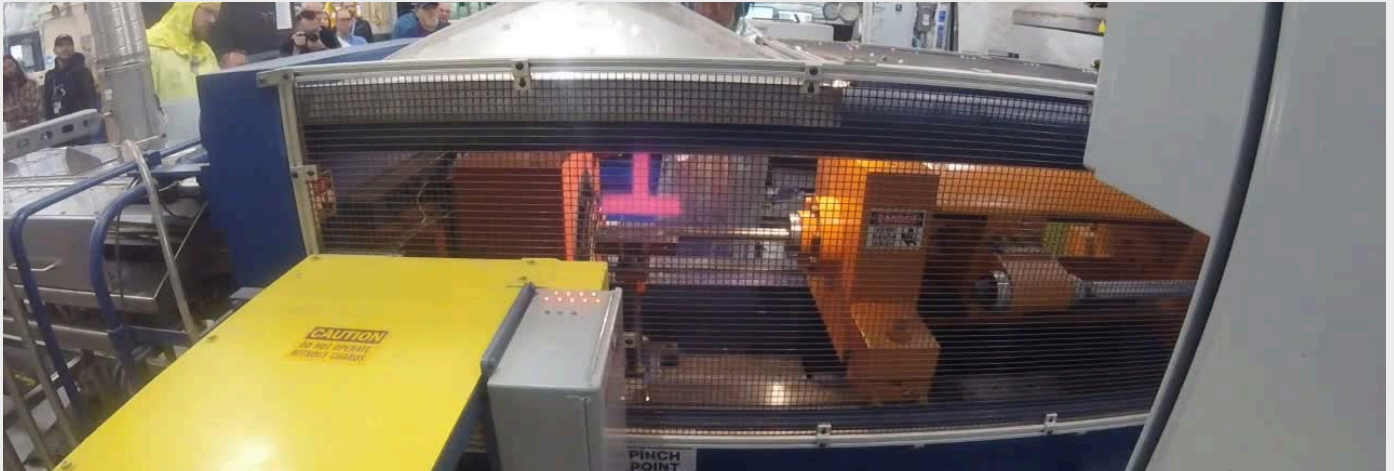
“I am honored to join the USNIC Board of Directors and look forward to working with fellow board members to promote the vital role of nuclear energy in addressing energy security challenges,” said **Lightbridge EVP Dr. Andrey Mushakov**.



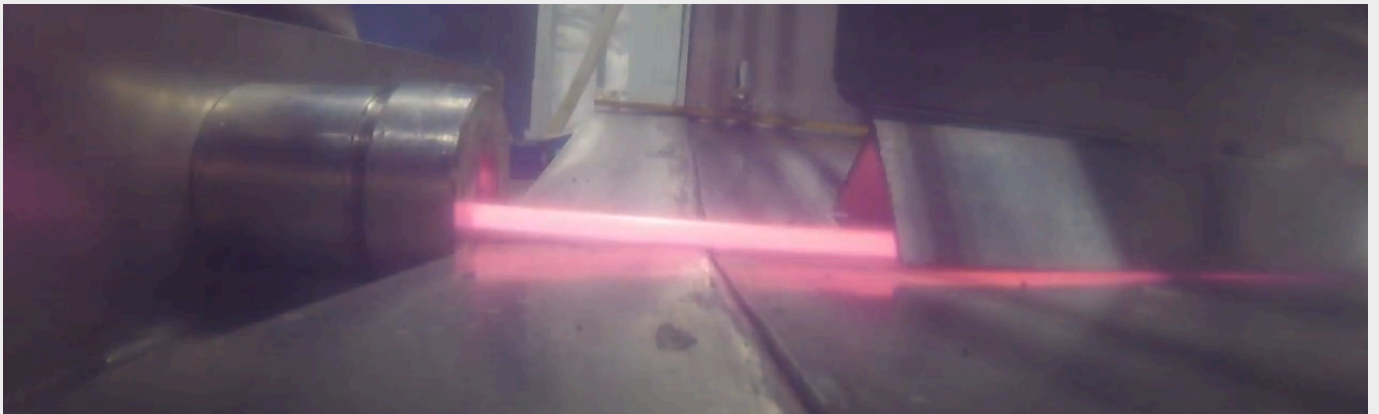
[Read the Announcement](#)

Lightbridge

Lightbridge Successfully Co-Extrudes a Demonstration Coupon Sample with Uranium-Zirconium Alloy and Cladding



A video demonstration of the co-extrusion process:
https://youtu.be/PnK_FXz1Jqk?si=xousJ_CmWkmdO0zl



Footage showing the transformation of uranium-zirconium alloy and zirconium cladding billet assembly into an 8-foot cylindrical rod - a crucial step toward developing Lightbridge Fuel



Co-extruded rod sample after co-extrusion process



Lightbridge and INL teams at Idaho National Laboratory

[Read the Announcement](#)

Industry & Press Coverage from Lightbridge

NATIONAL REVIEW

Nuclear: The Answer to China's Lead in Renewable Energy

**Guest Written by
Lightbridge CEO Seth Grae
May 27, 2025**

[Read the Full Article](#)

“All this demand has one overarching need – stable electricity – to ensure continuous operation of the critical services that data centers provide and protect the sensitive IT equipment they contain. As matters stand today, the two best ways to produce this electricity are nuclear and natural gas, not least because, at least until storage technologies improve, renewables may weaken grid resilience once their share of electricity generated becomes “too” high. This concern will be heightened if it is shown that the recent widespread blackout in Spain and Portugal can be attributed in whole or in part to this factor. Blackouts such as these are devastating for data center operators.”

POWER



May 13, 2025
by Seth Grae

Commentary

Nuclear Is the Key to Winning AI Race

The deciding factor in the artificial intelligence (AI) race may come down to our ability to provide new data centers what they need most: massive amounts of constantly available electricity. In the U.S., data centers and their need to accommodate AI account for about half the projected growth of electricity demand through 2030. But the U.S. will lose the AI race if we lose the race to deliver reliable power, and nuclear energy is a deciding factor in this equation.

Rapid expansion of our already successful nuclear energy sector will enable us to supply the rising demand for AI and remain competitive in this strategic industry. Expanding U.S. nuclear capacity will also strengthen our energy security and help establish energy dominance, a major goal of this administration.

[Read the Full Article](#)

BARRON'S

Oklo and Other Nuclear Stocks Surge on White House Executive Orders

May 23, 2025

[Read the Full Article](#)

FT FINANCIAL TIMES

Donald Trump issues directive to fast-track nuclear energy development

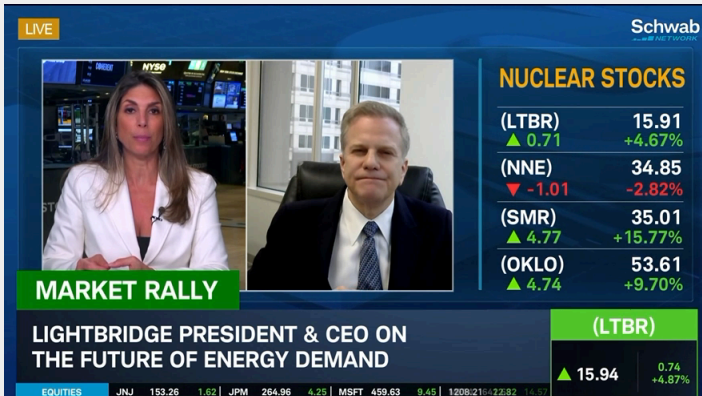
May 23, 2025

[Read the Full Article](#)

Media Appearances from Lightbridge

Interview with Schwab Network News from May 27, 2025

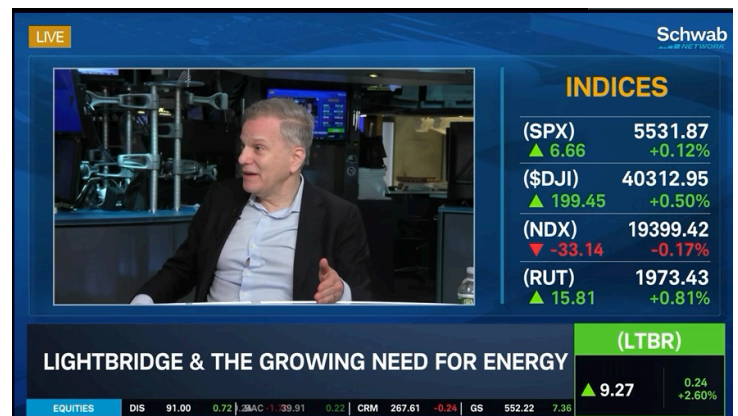
Lightbridge CEO Seth Grae was interviewed on the Schwab Network's The Watchlist by Lead Anchor Nicole Petallides. Seth Grae explains how these policy shifts create unprecedented opportunities for Lightbridge and the broader nuclear sector, especially as demand for reliable, 24/7 power surges due to the rapid growth of AI and data centers. Learn how Lightbridge's advanced nuclear fuel technology aims to boost output and safety in existing reactors, and what this means for America's energy mix as nuclear aims to grow from 19% to potentially 50% of the nation's electricity supply.



[Watch the Interview](#)

Interview with Schwab Network News from April 28, 2025

Seth Grae, Lightbridge President and Chief Executive Officer, was interviewed on Schwab Network's "Morning Trade Live," with Nicole Petallides, highlighting the growing demand for reliable and clean energy sources, emphasizing the limitations of renewables like solar and wind due to their intermittent nature and reliance on critical minerals from China, and underscored nuclear energy's future role in meeting energy demands.



[Watch the Interview](#)

Talk at Greenwich Retired Men's Association from April 16, 2025

Lightbridge CEO Seth Grae delivered a presentation to the Greenwich Retired Men's Association on the current state and future prospects of nuclear energy, highlighting the significant advantages of nuclear power, including its high energy density and reliability, which are crucial for meeting the rising global demand for electricity.



[Watch the Talk](#)

[Read Coverage from the Greenwich Sentinel](#)



[Listen to the Interview](#)

Interview with WGCH Radio on April 14, 2025

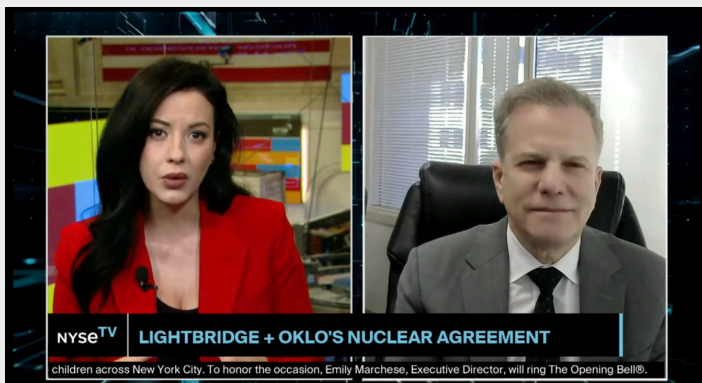
Seth Grae, President and CEO of Lightbridge Corporation, was interviewed on WGCH radio ahead of his talk at the Retired Men's Association of Greenwich on Wednesday, April 16th. Seth's talk will focus on the resurging interest in nuclear power, driven by the need for clean energy and the demands of AI data centers. Gray will discuss the impact of deregulation, new nuclear technologies, and public perception shifts toward nuclear safety.

Lightbridge and Oklo Interview on Fox Business Network - January 30, 2025

Lightbridge CEO Seth Grae and Oklo Co-founder and CEO Jacob DeWitte are interviewed by Liz Claman on The Claman Countdown, discussing the recently announced Memorandum of Understanding, which outlines plans to conduct a feasibility study for co-locating a Lightbridge Commercial-scale Fuel Fabrication Facility at Oklo's proposed commercial fuel fabrication facility and to explore opportunities for collaboration in recycling nuclear waste.



[Watch the Interview](#)



Lightbridge Interview on NYSE TV - January 29, 2025

Lightbridge CEO Seth Grae was interviewed by Trinity Chavez on NYSE TV, discussing the recent MOU between Lightbridge and Oklo.

[Watch the Interview](#)



Lightbridge CEO Seth Grae pictured during his visit to the Fukushima site during the Asia Pacific Nuclear Energy 2025 (APNE25) Forum in February.



Pictured l to r: Former U.S. Secretary of Energy and Governor of Texas, Rick Perry, Lightbridge CEO Seth Grae, and NRC Chairman David Wright



Pictured l to r: Lightbridge CEO Seth Grae and Lightbridge CFO Larry Goldman, during a visit to the New York Stock Exchange



Lightbridge President and CEO Seth Grae presenting the Congressional Energy Engagement ICON Award to Chairman of the Energy and Water Appropriations Committee, Congressman Chuck Fleischmann from the great state of Tennessee



Lightbridge at the Congressional Energy Engagement Icon Awards on June 5, 2025

Pictured l to r: Lightbridge CEO Seth Grae, Beth Grae, Lightbridge Director Sweta Chakraborty, Lightbridge Controller Sherrie Holloway, and Lightbridge Director Jesse Funches

Other Nuclear News and Updates

Clip from the U.S. House Science, Space, and Technology Committee hearing: "From Transformative Science to Technological Breakthroughs: DOE's National Laboratories - February 12, 2025"

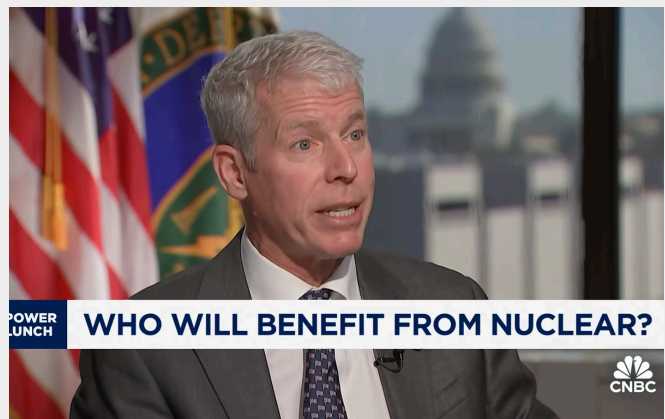
[Watch the Clip](#)



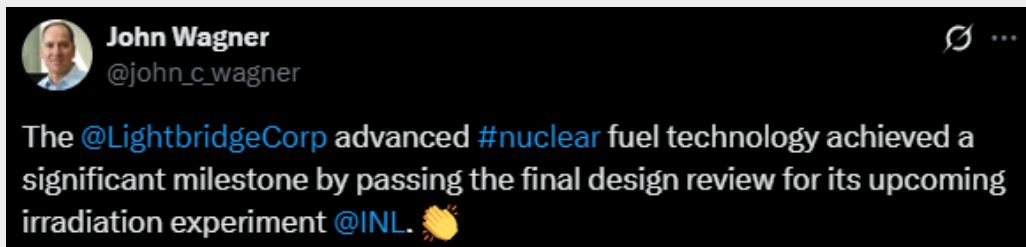
Energy Sec Chris Wright: "The long talked about nuclear renaissance is finally going to happen"

On February 7, 2025, new U.S. Energy Secretary Chris Wright spoke about how the U.S. can produce more clean energy, and the priority for more nuclear in the new administration.

[Watch the Clip](#)



Dr. John Wagner, head of Idaho National Laboratory on X:



[Read the Post Thread](#)

Associated Press: Amazon to spend \$20B on data centers in Pennsylvania, including one next to a nuclear power plant

[Read the Article](#)



Other Nuclear News and Updates



World Nuclear News: Lightbridge irradiation experiment passes design review

Lightbridge's advanced nuclear fuel technology has completed the final design review for its upcoming irradiation experiment at Idaho National Laboratory - and expects to benefit from a groundbreaking testing method developed by the lab.

[Read the Article](#)



CNBC: Meta signs nuclear power deal with Constellation Energy

Meta has signed a 20-year agreement to buy nuclear power from Constellation Energy, continuing the wave of tech giants teaming up with the industry in order to meet the growing power needs of data centers.

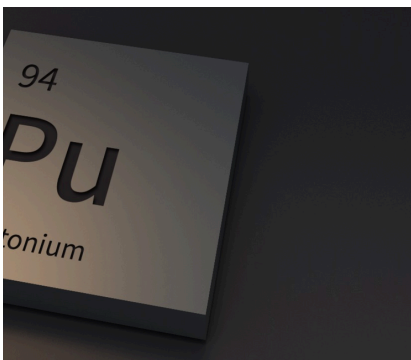
[Read the Article](#)



Financial Times: Westinghouse targets \$75bn US nuclear expansion after Donald Trump order

Plans for 10 new reactors come as President Trump tries to encourage an American atomic energy renaissance

[Read the Article](#)



The National Interest: How the United States Can Turn Cold War Plutonium into Advanced Nuclear Power

Repurposing surplus plutonium as reactor fuel could cut costs, ease the advanced nuclear fuel bottleneck, and offer a more permanent nonproliferation solution than dilute and dispose.

[Read the Article](#)

About Lightbridge Corporation

Lightbridge Corporation (NASDAQ: LTBR) is focused on developing advanced nuclear fuel technology essential for delivering abundant, zero-emission, clean energy and providing energy security to the world. The Company is developing Lightbridge Fuel™, a proprietary next-generation nuclear fuel technology for existing light water reactors and pressurized heavy water reactors, significantly enhancing reactor safety, economics, and proliferation resistance. The Company is also developing Lightbridge Fuel for new small modular reactors to bring the same benefits plus load-following with renewables on a zero-carbon electric grid.

Lightbridge has entered into two long-term framework agreements with Battelle Energy Alliance LLC, the United States Department of Energy's operating contractor for Idaho National Laboratory, the United States' lead nuclear energy research and development laboratory. DOE's Gateway for Accelerated Innovation in Nuclear program has twice awarded Lightbridge to support the development of Lightbridge Fuel over the past several years. Lightbridge is participating in two university-led studies through the DOE Nuclear Energy University Program at Massachusetts Institute of Technology and Texas A&M University. An extensive worldwide patent portfolio backs Lightbridge's innovative fuel technology. Lightbridge is included in the Russell 2000® Index and the Russell 3000® Index. For more information, please visit www.ltbridge.com.

To receive Lightbridge Corporation updates via e-mail, subscribe at <https://www.ltbridge.com/investors/news-events/email-alerts>

Lightbridge is on Twitter. Sign up to follow [@LightbridgeCorp](https://twitter.com/LightbridgeCorp) at <http://twitter.com/lightbridgecorp>.

For an introductory video on Lightbridge, please visit www.ltbridge.com or click [here](#) to watch the video.

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Forward-Looking Statements

With the exception of historical matters, the matters discussed herein are forward-looking statements. These statements are based on current expectations on the date of this news release and involve a number of risks and uncertainties that may cause actual results to differ significantly from such estimates. The risks include, but are not limited to: Lightbridge's ability to commercialize its nuclear fuel technology; the degree of market adoption of Lightbridge's product and service offerings; Lightbridge's ability to fund general corporate overhead and outside research and development costs; market competition; our ability to attract and retain qualified employees; dependence on strategic partners; demand for fuel for nuclear reactors; Lightbridge's ability to manage its business effectively in a rapidly evolving market; the availability of nuclear test reactors and the risks associated with unexpected changes in Lightbridge's fuel development timeline; the increased costs associated with metallization of Lightbridge's nuclear fuel; public perception of nuclear energy generally; changes in the political environment; risks associated with war in Europe; changes in the laws, rules and regulations governing Lightbridge's business; development and utilization of, and challenges to, Lightbridge's intellectual property; risks associated with potential shareholder activism; potential and contingent liabilities; as well as other factors described in Lightbridge's filings with the Securities and Exchange Commission (the "SEC"). Lightbridge does not assume any obligation to update or revise any such forward-looking statements, whether as the result of new developments or otherwise, except as required by law. Readers are cautioned not to put undue reliance on forward-looking statements.

A further description of risks and uncertainties can be found in Lightbridge's Annual Report on Form 10-K for the fiscal year ended December 31, 2024, and in its other filings with the SEC, including in the sections thereof captioned "Risk Factors" and "Forward-Looking Statements", all of which are available at <http://www.sec.gov/> and www.ltbridge.com.