

Nuclear News and Updates from Lightbridge



Lightbridge CEO Seth Grae attending White House Summit on Domestic Nuclear Deployment

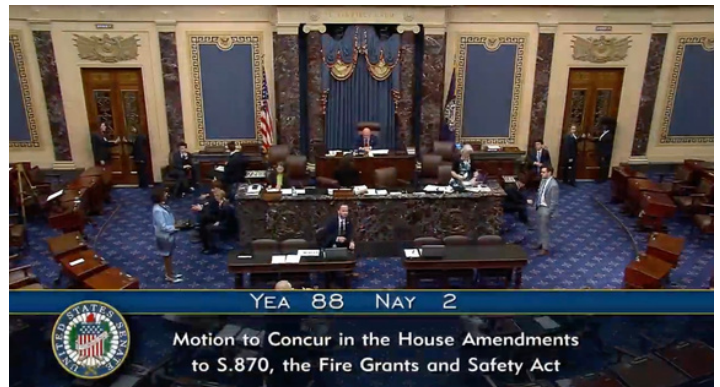
[Read the Announcement](#)

Lightbridge CEO Seth Grae Attends White House Summit on Domestic Nuclear Deployment

"I was honored to represent Lightbridge at such a pivotal event for the domestic nuclear industry. The Administration's initiatives are a significant step forward in revitalizing the domestic nuclear sector and ensuring that nuclear energy remains a vital part of our clean energy future. Lightbridge is committed to playing a key role in the transition to a cleaner energy future. We believe that Lightbridge Fuel™, which is designed to improve the economics and safety of existing and next generation nuclear reactors, will help achieve these shared goals," said **Lightbridge CEO Seth Grae**.

Lightbridge Welcomes Passage of the ADVANCE Act, Landmark Legislation to Expedite Commercial Deployment of Advanced Nuclear Fuel and Other Advanced Nuclear Technologies

"The Act also specifically calls for government agency coordination relating to enabling the testing and demonstration of accident tolerant fuels for existing commercial nuclear reactors and also directs the NRC to assess the preparedness of the NRC to review and qualify use of accident tolerant fuel and high-assay low-enriched uranium fuels," said **Lightbridge CEO Seth Grae**.



Earlier this year, the U.S. House of Representatives passed the bill on a 365-36 vote, and the U.S. Senate overwhelmingly voted 88-2 to approve the legislation

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Lightbridge's Demonstration of Key Aspects of the Extrusion Process for Lightbridge Fuel



A video demonstration of the extrusion process:
<https://www.ltbridge.com/news-media/media-gallery/video/video/7194/lightbridge-demonstration-of-the-extrusion-process-for>



Uranium-Zirconium Rod Post-Extrusion



**Uranium-Zirconium Alloy Billet
Encased in Copper Sheath**



**Taking Measurements of Billet
Dimensions**

Lightbridge

Media Appearances from Lightbridge

Lightbridge Participates in ANS Panel on the changing international nuclear power landscape

ANS International Council Chair Seth Grae led a discussion on the differences between state owned entities and private industry, national team deployments vs. coalitions with allies, as well as international electrification concerns.

[Watch the Panel Discussion](#)



Interview with Scripps News from April 29, 2024

Lightbridge CEO Seth Grae was interviewed by Del Walters on Scripps TV on the sidelines of the World Economic Forum Special Meeting on Global Collaboration, Growth, and Energy for Development.

[Watch the Interview](#)

Interview with Scripps News from March 20, 2024

Lightbridge CEO Seth Grae was interviewed by Scripps News TV to discuss the growth and future prospects of nuclear power on the eve of the first-ever Nuclear Energy Summit in Brussels. Hosted in collaboration with the IAEA, the summit sees the participation of business leaders and representatives from at least 37 nations, focusing on nuclear power expansion and sustainability.

[Watch the Interview](#)



Other Nuclear News and Updates

Investor's Business Daily: S&P 500 Nuclear Energy Stocks Storm Higher As Prices Surge 800% On Largest U.S. Power Grid

Artificial intelligence – and the data centers needed to train the systems – are expected to boost energy demand throughout this decade. In the U.S., McKinsey & Co. projects that data center energy demand will grow around 10% every year through 2030

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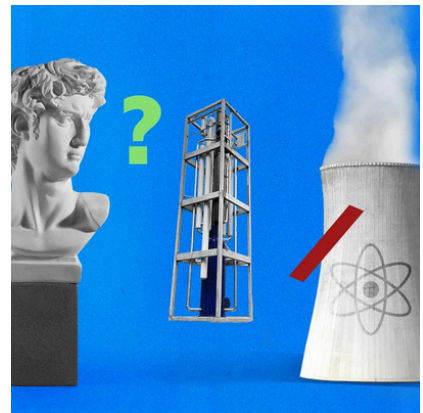


Cipher News: Surging power demand fuels new nuclear interest, federal funding

The exploding global demand for energy, combined with the urgent race to reduce carbon emissions, is focusing interest and investment on the once-staid, long-stagnant nuclear industry.

A promising lineup of advanced nuclear reactor technologies and more streamlined and flexible construction techniques are getting public and private funding as nuclear is increasingly seen as a critical piece of the decarbonization puzzle.

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St. Louis Public Radio: What will a new push for nuclear energy look like in Missouri and Illinois?

“Nuclear power runs 24/7, regardless of the weather, and it rarely needs to be shut down for refueling, which means it provides an extra level of resilience to the grid where other variable sources of renewable energy need a backup,” said Kathryn Huff, former assistant secretary for nuclear energy at the Department of Energy.

[Read the Article](#)



POWER Magazine: Making the Case for U.S. Nuclear Power

Georgia is home to the newest U.S. nuclear reactors, and a state regulator who pushed for completion of the two-unit expansion at Plant Vogtle says it's important for government and other stakeholders to protect the interests of ratepayers going forward.

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Other Nuclear News and Updates



The Washington Post: Thomas Neff, who helped turn Soviet nukes into electricity, dies at 80

Lightbridge remembers Thomas Neff, MIT physicist and architect of the Megatons to Megawatts program, which transformed ex-Soviet weapons material into fuel for US nuclear power plants.

[Read the Article](#)



Reuters: Gulf state UAE considers a second nuclear power plant

The United Arab Emirates is considering building a second nuclear power plant to meet growing demand for electricity in the oil-rich Gulf state, a government official told Reuters.

The country of some 10 million people has become a proponent of nuclear power, a low-carbon energy source, as it seeks to diversify its economy and attract foreign investment. Its first plant started commercial operations in 2021.

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Bloomberg: Nuclear Energy Gets a Much-Needed Boost

Known as the Advance Act, the bill seeks to remedy some long-standing flaws in nuclear-energy regulation. To reach net zero, the world will need to roughly double its nuclear capacity by 2050, according to the International Energy Agency.

[Read the Article](#)



Financial Times: Nuclear revival ushers in a 'new era' for uranium

The scramble to find around-the-clock clean power coupled with new US limitations on Russian uranium products are ushering in a "whole new era" for the nuclear fuel market.

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Other Nuclear News and Updates

Bloomberg: Dominion Considers Small Reactors at Virginia Nuclear Plant

Dominion Energy Inc. is asking nuclear-technology companies to submit plans for new reactors at a Virginia power plant amid growing support for using fission to supply a potential surge in electricity demand.

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New book by Lightbridge board member Sherri Goodman about the military's role in combating climate change

"Over the course of my naval career, I came to appreciate how climate change was affecting global politics—literally altering the geostrategic landscape. Sherri Goodman tells the untold story of how many of our nation's military leaders came to appreciate this challenge and recognize climate change as one of the key global threats of our age."

– Admiral James Stavridis, former NATO Supreme Allied Commander and co-author of 2054: A Novel

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Forbes: U.S. Government Helps Nuclear Energy Allies Catch Up to Russia, China

"These trends globally are really creating a shift in the market, and we're seeing opportunities for reactors, large reactors, SMRs, and other advanced reactor technologies that can support this load growth," said Carol Berrigan of the Nuclear Energy Institute

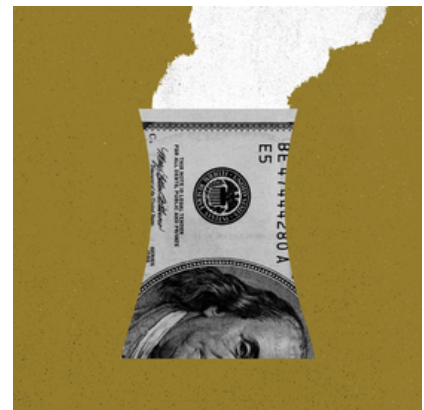
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The Atlantic: Nuclear Energy's Bottom Line

But the United States might not have the luxury of treating nuclear energy as a lost cause: The Department of Energy estimates that the country must triple its nuclear-power output by 2050 to be on track for its climate targets. For all the recent progress in wind and solar energy, renewables on their own almost certainly won't be enough. Arguably, then, we have no choice but to figure out how to build nuclear plants affordably again.

[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 (SMRs) 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 Microcap® Index. For more information, please visit www.ltbridge.com.

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Lightbridge is on Threads [@lightbridgecorp](https://www.threads.net/@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, 2023, 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.