

Nuclear News and Updates from Lightbridge



Lightbridge at New Nuclear Capital 2023: Discussions on the investment prospects for advanced nuclear energy

“At Lightbridge, we’re developing advanced nuclear fuel that will work in the existing reactors that will bring improved economics and safety and proliferation resistance. By bringing nearer-term demand to existing reactors for uranium enrichment, we think will help drive everything that will load follow,” said **Lightbridge CEO Seth Grae**.

Lightbridge Launches Engineering Study to Assess Lightbridge Fuel for Use in CANDU Reactors

“This is an important step for Lightbridge, and will help us assess the viability of using Lightbridge Fuel in a CANDU reactor, which will help guide our commercialization pathway in determining the types of reactors that we prioritize. Positive confirmation from this engineering study potentially will provide us with the opportunity to expedite our commercialization timelines,” commented **Seth Grae**.

[**Read the Announcement**](#)



Dr. Constantin Paunoiu, Director of Institutul de Cercetări Nucleare Pitești, and Dr. Andrey Mushakov, Lightbridge’s Executive Vice President, Nuclear Operations (October 16, 2023)

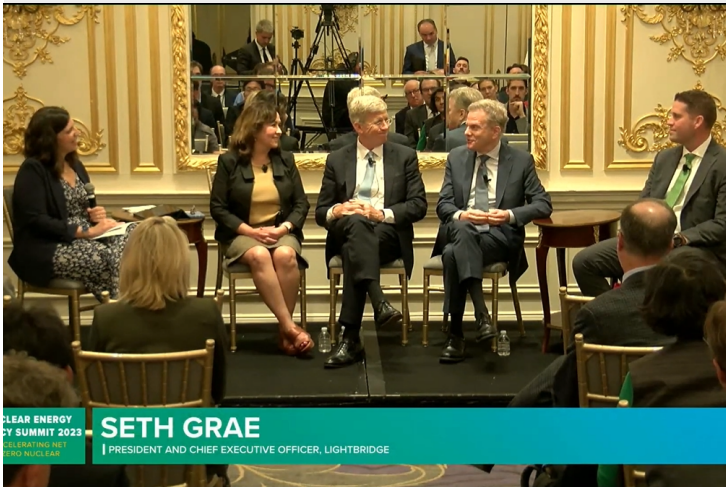


[**Read the Interview**](#)

“If Lightbridge Fuel reaches full commercialization, our fuel will be the only morally acceptable fuel used in the current types of nuclear power plants across the globe” – Dan Magraw

We Don't Have Time sat down with Dan Magraw to ask about international environmental law and how nuclear energy plays a role in solving the climate crisis. Dan Magraw is a member of the board of directors of Lightbridge, and a leading expert on international environmental law and policy, as well as international human rights.

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Lightbridge at the Atlantic Council Nuclear Energy Policy Summit 2023: Accelerating Net Zero Nuclear

“At LightBridge, we’re developing advanced nuclear fuel that will work in the existing reactors as well as in the new water-cooled small modular reactors that will bring improved economics and safety and proliferation resistance. By bringing nearer-term demand to existing reactors for uranium enrichment as well as for new reactors, large and small, we think will help drive everything that will load follow, including advanced reactors,” said **Lightbridge CEO Seth Grae**.

[Watch the Panel Discussion](#)

Nuclear Engineering International: An Advanced Fuel for LWR and SMR Designs

“Lightbridge’s advanced metallic fuel rod design, being developed for use in existing water-cooled reactors and water-cooled SMRs, is fundamentally different than current fuel and offers a host of simultaneous step-change improvements. **Written by Dr. Scott Holcombe, Dr. Andrey Mushakov, and James Fornof**



[Read the Article](#)

Bipartisan Nuclear Fuel Security Act Would Establish and Expand U.S. Nuclear Fuel Programs to Boost Domestic Nuclear Fuel Capabilities and Innovation



The Nuclear Fuel Security Act is aimed at enhancing the U.S. nuclear fuel programs to escalate domestic uranium mining, production, enrichment, and conversion capacity. With U.S. domestic energy demand rising, the Act aims to reduce dependency on foreign uranium –currently at 90%–by reinvesting in domestic nuclear energy capabilities. The initiative is framed as a means to achieve greater energy independence, strengthen national security by minimizing reliance on foreign suppliers like Russia, create jobs, and foster economic growth while leveraging the clean and renewable aspects of nuclear fuel.

[Read the Announcement](#)

Lightbridge Receives Notice of Allowance for a Pivotal Manufacturing Method Patent in the United States for its Metallic Fuel Rods

“This new U.S. patent coincides with our ongoing work at Idaho National Laboratory (INL) where we have recently performed initial castings using depleted uranium (U) and zirconium (Zr) to produce U-Zr fuel alloy ingots, which are currently undergoing characterization. Our next steps are to scale up the ingot size to form fuel core billets suitable for extrusion, and then to conduct initial extrusions,” **commented Scott Holcombe, Vice President of Engineering at Lightbridge.**



[Read the Announcement](#)

Recent Lightbridge Media Appearances

Highlights of Lightbridge at Climate Week 2023 in New York City



Pictured l to r: Lightbridge CEO Seth Grae, Emirates Nuclear Energy Corporation CEO Mohamed Al Hammadi and 2023 Miss America and nuclear engineer Grace Stanke



Pictured l to r: Nuclear influencer and model Isabelle Boemeke and Lightbridge CEO Seth Grae

Listen to Isabelle's TED Talk on nuclear power



Pictured l to r: Victor Chu, former Advisor to Lightbridge and Chairman/Co-founder & CEO at First Eastern Investment Group and Lightbridge CEO Seth Grae at the Atlantic Council Global Citizen Awards



Ukrainian President Volodymyr Zelenskyy at the Atlantic Council Global Citizen Awards



Lightbridge President and CEO Seth Grae was interviewed on Yahoo Finance's Retail Investor Hour on September 20, 2023

Watch the Interview



Lightbridge President and CEO Seth Grae was interviewed on Bloomberg Radio on September 19, 2023

Watch the Interview



Lightbridge CEO Seth Grae presented to Nuclear New York, an independent, non-partisan advocacy organization working towards a prosperous decarbonized future and nature conservation on August 15, 2023.

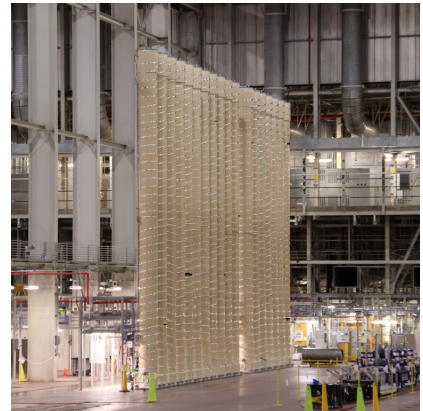
Watch the Presentation

Other Nuclear News and Updates

DOE: Centrus Produces Nation's First Amounts of HALEU

Centrus Energy Corp has produced the nation's first 20 kilograms of high-assay low-enriched uranium (HALEU) – a crucial material required by many advanced reactor technologies. The production is the first of its kind in the U.S. in more than 70 years and meets a key milestone in the U.S. Department of Energy's HALEU Demonstration project to stand up and operate 16 advanced centrifuges at an enrichment facility in Piketon, Ohio.

[Read the Article](#)



WNN: Industry groups and governments pledge to back new nuclear

"Representatives of the nuclear industry in OECD nations, and representatives of the governments of 20 countries, have issued communiqués committing to work together to expand nuclear energy capacity, after the inaugural Roadmaps to New Nuclear conference organised by the OECD Nuclear Energy Agency (NEA) and the French government."

[Read the Article](#)



Washington Examiner: Is uranium the new gold?

"The price of uranium on world markets is going parabolic. The rush to a global green economy is causing inflation in material prices for wind turbines. That rush is also creating political friction as communities say "no" to industrial-size solar farms. Now, the quest for a global carbon-neutral economy is creating a supply-demand imbalance for uranium. Supply is limited. Demand is soaring. Is uranium the new gold?"

[Read the Article](#)



WSJ: The New Face of Nuclear Energy Is Miss America

"The soon to be nuclear fuels engineer is trying to help the industry recapture public support. Grace Stanke, the reigning Miss America, is on a charm offensive for the industry as part of a year-long publicity tour."

[Read the Article](#)



Other Nuclear News and Updates



The News & Observer: Should nuclear power be considered clean energy? Yes, says proposed NC legislation

A bill being considered by the General Assembly would change “renewable” energy portfolio standards to “clean” energy portfolio standards and let utilities meet them with nuclear energy.

[Read the Article](#)



The Guardian: Young climate activist tells Greenpeace to drop ‘old-fashioned’ anti-nuclear stance

Swedish teenager Ida Anstoot says group’s ‘unscientific’ opposition to EU nuclear power serves fossil fuel interests.

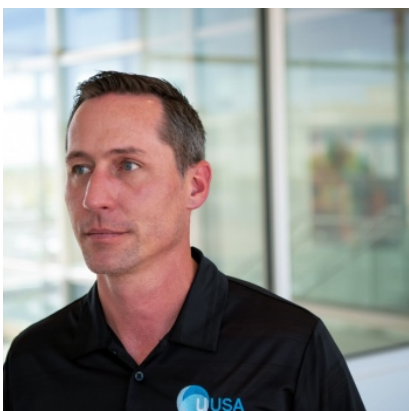
[Read the Article](#)



Marketwatch: Nuclear power could see its biggest expansion in decades, leading to increased demand for uranium

Nuclear power is climbing and prices for uranium have reached their highest level in more than a year, providing an opportunity for investors looking to capitalize on bets that global worries surrounding climate change will boost demand for the energy source.

[Read the Article](#)



Bloomberg: The Race to Ditch Russian Uranium Starts in New Mexico’s Desert

“In a remote, dusty corner of New Mexico, so near to the Texas border that if you wander too close your smartphone changes time zones, sits a pristine factory that is the best chance for the US to wean itself off an addiction that few knew it had: uranium enriched in Russia.”

[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 secured a long-term strategic partnership with Idaho National Laboratory (INL), the United States' lead nuclear energy research and development laboratory, in collaboration with the U.S. Department of Energy (DOE). DOE's Gateway for Accelerated Innovation in Nuclear (GAIN) program has twice awarded Lightbridge to support the development of Lightbridge Fuel. 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).

Lightbridge is on We Don't Have Time. Join the dialogue at <https://app.wedonthavetime.org/profile/Lightbridge>

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 within the meaning of the Private Securities Litigation Reform Act of 1995, including statements regarding the anticipated benefits of Lightbridge Fuel™ in SMRs and the outcomes of the study. 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: the Company's ability to commercialize its nuclear fuel technology; the degree of market adoption of the Company's product and service offerings; the Company'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; the Company'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 the Company's fuel development timeline; the increased costs associated with metallization of our 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 the Company's business; development and utilization of, and challenges to, our 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. 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, 2022, and in its other filings with the Securities and Exchange Commission, 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.