

### An EnergyTech Investor Publication

Bringing relevant news and data on the Emerging EnergyTech Market to the Investment Community

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## LTBR OVERVIEW

Lightbridge (NASDAQ: LTBR) is a nuclear fuel development company based in Reston, Virginia, USA. The Company develops proprietary next generation nuclear fuel technologies for current and future nuclear reactor systems. LTBR's breakthrough fuel technology is establishing new global standards for safe and clean nuclear power and leading the way to a sustainable energy future. The Company also provides comprehensive advisory services for established and emerging nuclear programs based on a philosophy of transparency, non-proliferation,



LTBR all-metal fuel rod.  
Source: www.lightbridge.com

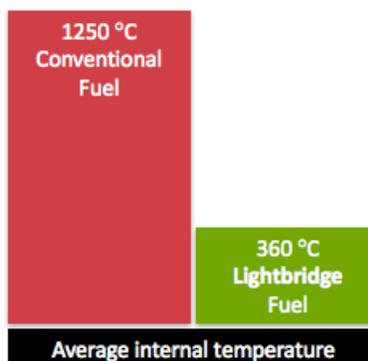


## LTBR TECHNOLOGIES LATEST NEWS

- ❖ **August 29<sup>th</sup>, 2016** - Lightbridge Receives Official Confirmation of Compliance with all Applicable Requirements for Continued Listing on The Nasdaq Capital Market.
- ❖ **August 11, 2016** - Lightbridge Provides Update on Nuclear Fuel Commercialization Plan, Business Update and Financial Results for Second Quarter 2016.
- ❖ **August 9, 2016** - EnergyTech Investor, LLC Discusses Nuclear Fuel Technology and Growth Opportunities with Lightbridge Corporation.
- ❖ **August 8, 2016** - Lightbridge Schedules Second Quarter 2016 Earnings and Business Update Conference Call.

## LTBR INNOVATION: A FUEL WITH ENHANCED SAFETY

The temperature down the center of LTRB fuel is over 1000 °C cooler than the center of standard nuclear fuel. In addition, with ~35% more fuel surface area there is significantly more margin to fuel failure.



## LTBR FUEL ADVANTAGES

- ✓ Metal fuel has better heat transfer.
- ✓ Does not generate hydrogen gas under design basis accidents.
- ✓ Buys more time to restore active cooling during accidents.
- ✓ Improves non-proliferation benefits of used fuel.
- ✓ Enhances structural integrity of the fuel.

## **CGN SEES CONTINUED GROWTH IN FIRST HALF OF 2016, 8-26-2016**

<http://www.world-nuclear-news.org/C-CGN-sees-continued-growth-in-first-half-of-2016-2608165.html>

CGN Power Company Limited - China's largest nuclear power plant operator - announced a 36.3% increase in revenue in the first six months of 2016 to CNY13.1 billion (\$2.0 billion), compared with the same period last year. In a 24 August statement to the Hong Kong Stock Exchange, CGN Power - the publicly traded subsidiary of China General Nuclear (CGN) - also said it saw profits rise 3.4% during the six-month period, to CNY3.6 billion...



# Lightbridge

**“At Lightbridge we are developing a way to impact the world’s climate and energy problems soon enough to make a difference.”**

## **GLOBAL NUCLEAR POWER MARKET FORECAST AND OPPORTUNITIES, 2025: TECHSCI RESEARCH REPORT, 8-25-2016**

<http://www.prnewswire.com/news-releases/global-nuclear-power-market-forecast-and-opportunities-2025-techsci-research-report-591289571.html>

The nuclear power sector is expected to grow in coming years on account of increasing focus on development of nuclear power generation in the developing countries globally. The increasing demand of electricity will result in development of new power generating facilities in the world. Nuclear power generation is one of the cleanest form of producing electricity ...

## **X-ENERGY SIGNS MOU WITH SOUTHERN NUCLEAR, 8-22-2016**

[https://nuclearstreet.com/nuclear\\_power\\_industry\\_news/b/nuclear\\_power\\_news/archive/2016/08/22/x\\_2d00\\_energy-signs-mou-with-southern-nuclear-082201#.V8FjbFc5S-J](https://nuclearstreet.com/nuclear_power_industry_news/b/nuclear_power_news/archive/2016/08/22/x_2d00_energy-signs-mou-with-southern-nuclear-082201#.V8FjbFc5S-J)

X-Energy LLC, developers of the Xe-100 “pebble bed” high temperature, gas-cooled reactor (HTGR), said Monday that it had signed a Memorandum of Understanding with Southern Nuclear Operating Company subsidiary Southern Nuclear as a step toward advancement of the small reactor that could help revitalize the nuclear power

industry due to the reactor's size and relative affordability. X-energy is developing a helium-cooled HTGR that operates at 125MWth and produces approximately 48MWe, a fraction of the power of a standard-sized commercial nuclear reactor currently operating in the United States. It is touted as "ultra-safe, small-scale, compact, versatile and able to respond in real-time to fluctuating grid demands," according to a promotional Web site...

### **RUSSIA NOTES PROGRESS WITH FAST REACTOR TECHNOLOGY, 8-23-2016**

<http://www.world-nuclear-news.org/NN-Russian-notes-progress-with-fast-reactor-technology-23081601.html>

A Russian government decree published earlier this month indicates the country plans to construct 11 new nuclear power reactors by 2030 - including two BN-1200 sodium-cooled fast neutron reactors. The BN-1200 units are to be built at the Beloyarsk and South Urals nuclear power plants. The decree also approves building a facility to produce high-density U-Pu nitride fuel and the construction by 2025 of the BREST-OD-300, which is part of Russian state nuclear corporation Rosatom's 'Proryv', or Breakthrough, project to enable a closed nuclear fuel cycle...



### **NUCLEAR POWER'S TIME HAS COME, 8-12-2016**

<http://www.post-gazette.com/opinion/Op-Ed/2016/08/12/Nuclear-power-s-time-has-come/stories/201608110042>

Something new and promising is happening with nuclear energy in the United States. A belief that nuclear technology is dispensable is giving way to a new measure of its worth — the proposition that it is playing a quiet yet effective role in reducing global-warming emissions. The evidence can be found in New York state's farsighted decision to reward nuclear plants for their chief advantage in electricity production: They produce zero carbon emissions. Due to a clean-energy standard approved by the state's Public Service Commission and backed by Gov. Andrew Cuomo, a credit can be paid to nuclear plants in upstate by utilities that use their power. This payment is part of an effort to wean the state off fossil fuels and save reactors battered economically by competition from cheap natural gas...



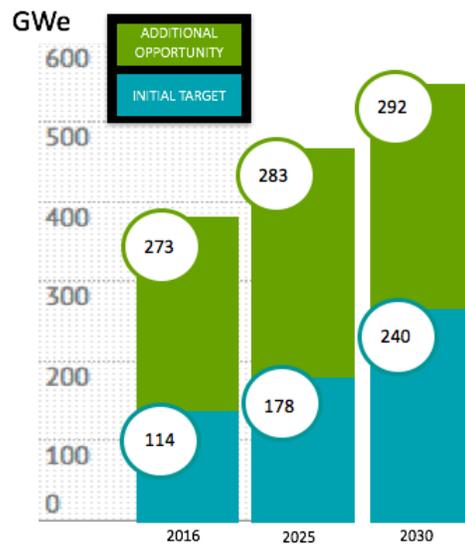
## LIGHTBRIDGE'S INITIAL TARGET MARKET

Initially, Lightbridge (NASDAQ: LTBR) is focusing on US Nuclear Regulatory Commission (NRC) approvals and deployment in large reactors in the United States. The NRC licensing will facilitate additional approvals in other countries.

Lightbridge's fuel can be used in almost every existing nuclear reactor in the world and also in future planned reactors or reactors currently under construction.

In addition to pressurized water reactors, Lightbridge fuel is also applicable to boiling water reactors, light-water based small modular reactors, and heavy water reactors.

Operating pressurized water reactors of >900 MWe with >20 years licensed life at 2025.



Source: IAEA Power Reactor Information System, June 2016, U.S. Energy Information Administration, International Energy Outlook 2016.

[WWW.LTBRIDGE.COM](http://WWW.LTBRIDGE.COM)

## SHAWN SEVERSON

CEO AND EDITOR-IN-CHIEF

Mr. Severson founded EnergyTech Investor in 2015 after seeing a significant communication and information gap developing between small and micro-cap companies and the financial community. Mr. Severson has over 20 years of experience as a senior research analyst covering the technology and cleantech industries and was formerly Managing Director at the Blueshirt Group where he was the head of the Energy, Environmental and Industrial Technologies practice. Previously, Mr. Severson was at JMP Securities where he was a Senior Equity Research Analyst and Managing Director of the firm's Energy, Environmental & Industrial Technologies research team. Prior to JMP, he held senior positions at ThinkEquity, Robert W. Baird (London) and Raymond James. He began his career as an Equity Research Associate at Kemper Securities. He was frequently ranked as a top research analyst including one of the Wall Street Journal's "Best on the Street" stock pickers and multiple awards as Starmine's top three stock pickers.



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