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## BluGlass signs MOU with photonics innovator Applied Energetics

### Highlights

- Collaboration combines complementary high-performance solutions and expertise across a wide range of emerging technologies
- BluGlass and Applied Energetics intend to cooperate to develop innovative solutions critical to national security and commercial applications
- BluGlass will seek to leverage its unique GaN distributed feedback (DFB) lasers in Applied Energetics' advanced systems to collaborate on next-generation national security, aviation, and commercial applications

Global semiconductor developer BluGlass Limited (**ASX: BLG**) has signed a Memorandum of Understanding (MOU) with leading advanced defence and dual-use photonics company, Applied Energetics (OTCQB: AERG). The two companies will collaborate on next-generation military and commercial applications, leveraging BluGlass' high-performance GaN distributed feedback (DFB) lasers in Applied Energetics' advanced systems development.

Headquartered in the USA, Applied Energetics specialises in developing next-generation ultrashort pulse (USP) optical systems for the US Department of Defense, defense primes, the intelligence community, as well as addressing the commercial, medical, and space markets. Applied Energetics' USP laser and photonic products span deep ultraviolet through to infrared wavelengths.

The two companies combine highly complementary expertise and technologies, and through this collaboration, plan to develop innovative solutions that address critical technology needs in emerging dual-use and national security markets, including bringing to market new laser wavelengths, and higher performance solutions that deliver more efficient and cost-effective products. The MOU sets out the framework for collaboration, however, is not a definitive agreement with commercial terms and timelines.

BluGlass CEO Jim Haden said, "We are excited to be working with industry leader Applied Energetics. This collaboration will advance strategic capabilities and next-generation integrated photonics, addressing the evolving needs of the national security and commercial sectors. A pioneer in ultrashort pulse photonics, Applied Energetics has complementary laser technology which can deepen our reach into the government, security, and intelligence sectors. Importantly, the MOU aligns with and strengthens our existing product roadmap and growth strategy."

CEO and President of Applied Energetics, Dr. Gregory Quarles added, "With the rapid growth of the laser market and the associated need for unique wavelengths and high-performance output, the development of next-generation lasers and optical systems must continue to advance and innovate. We are pleased to be working with BluGlass and believe this collaboration will support our long-term strategic goals of optimising architectures, increasing wavelength coverage, and improving product performance to provide customers with the most competitive and effective solutions."

*This announcement has been approved for release by the BluGlass Board.*

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#### **About BluGlass**

**BluGlass Limited (ASX:BLG)** is a leading supplier of GaN laser diode products to the global photonics industry, focused on the industrial, defence, bio-medical, and scientific markets.

Listed on the ASX, BluGlass is one of just a handful of end-to-end GaN laser manufacturers globally. Its operations in Sydney, Nashua and Silicon Valley offer cutting-edge, custom laser diode development and manufacturing, from small-batch custom lasers to medium and high-volume off-the-shelf products.

Its proprietary low temperature, low hydrogen, remote plasma chemical vapour deposition (RPCVD) manufacturing technology and novel device architectures are internationally recognised, and provide the potential to create brighter, better performing lasers to power the devices of tomorrow.

#### **About Applied Energetics, Inc.**

Applied Energetics, Inc. (OTCQB: AERG), a leader in Advanced Optical Technologies and Ultrashort Pulse Directed Energy Solutions, utilizes patented, dual-use laser and optical technologies to advance critical industries, including defense, national security, biomedical and manufacturing. Applied Energetics pioneered and holds all crucial intellectual property rights to the development and use of Laser Guided Energy technology and related solutions for defense, security, commercial, and medical applications.

You can read more at [appliedenergetics.com](http://appliedenergetics.com)

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