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BluGlass secures A\$190k order from photonics leader TOPTICA Photonics Inc

Highlights

- BluGlass to supply custom laser diodes to global market leader TOPTICA Photonics Inc
- First A\$190,000 order received from TOPTICA Photonics Inc, a commercial member of the Microelectronics Commons NORDTECH Hub
- The order supports development of Quantum Ultra-broadband Photonic Integrated Circuits and Systems (QUPICS) for priority commercial and defence applications

BluGlass Limited (ASX:BLG), a global semiconductor developer pioneering advanced visible lasers for the quantum, defence, and biotech markets, has received a A\$190,000 (US\$132,500) order from global industry leader TOPTICA Photonics Inc. BluGlass will provide custom gallium nitride (GaN) visible wavelength lasers for advanced Photonic Integrated Circuits (PICs). These next-generation high precision single frequency PICs are being developed to enable quantum capabilities for trapped ion, neutral atom, and photonic quantum technologies.

TOPTICA Photonics is a commercial member of the U.S. Department of War's (DoWs) NORDTECH Hub. BluGlass is supporting the Hub's Quantum Ultra-broadband Photonic Integrated Circuits and Systems (QUPICS) program. QUPICS aims to establish 300mm foundry-scale fabrication capability for quantum photonic integrated circuits spanning ultraviolet (UV) through infrared (IR) wavelengths. This broad spectral range is essential for many atomic, ion based, and photonic quantum systems to accelerate quantum applications including sensing, networking and computing, secure communications, and precision navigation.

BluGlass CEO Jim Haden said, "The U.S. and allied nations are increasingly focused on developing critical onshore strategic capability; underscoring the importance of advanced laser solutions to future security and commercial technologies. The QUPICS project is addressing key defence challenges to develop chip-scale photonic capabilities for quantum applications to unlock next-generation systems. BluGlass' high-precision GaN lasers enable greater precision, stability, and integration for applications ranging from secure communications and precision navigation in GPS-denied environments to advanced computing architectures.

"These two recent wins, the Year-3 extension of our CLAWS Hub contract and the new purchase order from TOPTICA within the NORDTECH Microelectronics Commons Hub, demonstrates the sustained momentum we are building across the U.S. Government and leading industry players. Our selection for these programs reinforces BluGlass' reputation as a trusted partner capable of delivering high-precision GaN laser technologies for critical defence and quantum photonics challenges. We are continuing to execute against our US\$100M project opportunities, converting smaller initial orders into long-term engagements and growing development contracts. At the same time, we are expanding the quality and depth of projects ahead of us."

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, defense, 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 Australia and the US 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.