

14 November 2024

BluGlass secures A\$2.9M CLAWS Hub sub-contract with US Microelectronics Commons

Highlights

- BluGlass and North Carolina State University (NCSU) have entered a US\$1.925 million (AU\$2.9 million) contract as part of the US Department of Defense's US\$2 billion Microelectronics Commons Program
 - The contract is part of the Commercial Leap Ahead for Wide Bandgap Semiconductors (CLAWS) Hub
 - The year 2 contract follows successful completion of the base year of performance milestones

Global semiconductor developer **BluGlass Limited (ASX: BLG)** has entered a US\$1.925 million (AU\$2.9 million) contract with North Carolina State University (NCSU) for visible laser development activity as part of the Commercial Leap Ahead for Wide Bandgap Semiconductors (CLAWS) Hub.

The CLAWS Hub is one of eight Microelectronic Commons innovation hubs established by the US Department of Defense and funded by the CHIPS and Science Act. The US\$2B Microelectronics Commons program is a collaborative capability-building program for the development of next-generation defence and dual use technologies. The Hub members include Coherent, MACOM, General Electric, Adroit, Kyma, and NCA&T State University.

Under its core-development contract for the second year of the Microelectronics Program, BluGlass will advance the capabilities of its laser portfolio for quantum computing and intelligence applications, including maturing its single-frequency visible GaN DFB laser technology for commercial applications. The contract award follows BluGlass' successful completion of all development milestones of the base year of performance under its A\$2.9 million core-development contract for FY24.

BluGlass' leading-edge GaN DFB laser technology will leverage the Company's proprietary deposition and novel device architectures to enable key performance advantages for next generation quantum applications, including ultra precision, higher-efficiency, and novel device structures. DFB lasers are a promising laser technology commonly utilised in non-visible wavelengths for single frequency devices that require narrow spectral width and high-spectral purity. GaN-based DFB lasers are not currently commercially available in visible wavelengths.

BluGlass CEO Jim Haden said, "We are thrilled to continue our partnership with the Commercial Leap Ahead for Wide Bandgap Semiconductors (CLAWS) Hub. BluGlass' collaboration with industry leaders to enable ground-breaking advancements in quantum applications is a testament to our growing reputation in delivering innovative solutions and end-to-end production capabilities. This important program provides non-dilutive funds to advance our laser technology and toolset, and validates our technical and manufacturing capabilities, growing industry reputation, and GaN laser roadmap.

"Our continued collaboration with hub members is helping to accelerate the development and commercialisation of next-generation photonics and optoelectronic devices for materials processing, sensing, communications, AI, future quantum technology applications, and critical defence applications."

BluGlass is a commercial 'off-ramp' in the Microelectronics Commons and was selected as a member of the CLAWS Hub for its commercial manufacturing capabilities, to translate research and development to advanced prototyping and commercial production and help facilitate technology translation from 'lab-to-fab'.

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

For more information, please contact: Stefanie Winwood | +61 2 9334 2300 | swinwood@bluglass.com

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 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.