

BLUGLASS SIGNS GLOBAL JOINT DEVELOPMENT AGREEMENT WITH US LED MANUFACTURER BRIDGELUX

Sydney, 11 September 2019: Australian semiconductor technology leader BluGlass Limited (ASX: BLG) has signed a Joint Development Agreement (JDA) with leading US-based LED company, Bridgelux. The agreement is to develop cascade LEDs using BluGlass' patented remote plasma chemical vapour deposition (RPCVD) technology, to establish a path for mainstream applications in the general lighting market.

BluGlass and Bridgelux will work to develop competitive applications for the growing general lighting market, using BluGlass' RPCVD tunnel junction technology.

For over 15 years, Bridgelux has designed and produced LED lighting solutions for the general lighting market that are high performing, energy efficient, cost-effective and easy to integrate. Bridgelux's focus on technology development has yielded proprietary innovations in LED design and manufacturing processes that enable its products to deliver the right quality of light, and accelerate mass adoption of LED lighting.

The joint development program aims to successfully integrate BluGlass and Bridgelux's unique technologies in high performance commercial LED applications, and drive commercial adoption of RPCVD-enabled cascade LEDs for general lighting through the future provision of RPCVD equipment and process licensing.

The terms of the JDA are non-exclusive and will provide revenues to BluGlass for its development work.

BluGlass recently demonstrated an industry breakthrough with its patented 'active as grown' RPCVD tunnel junctions for LED wafers. These tunnel junctions could solve the industry challenge of efficiency droop, by combining multiple LEDs in a single vertical LED stack - generating greater light output for less power.

"Bridgelux is a leader in solid state lighting innovation and is always working on developing new technologies for the LED lighting industry. We look forward to exploring the potential of RPCVD with BluGlass," said Tim Lester, CEO of Bridgelux.

Giles Bourne, CEO and Managing Director of BluGlass, said, "We are delighted to have Bridgelux as a development partner to help deliver the competitive advantages of RPCVD tunnel junctions into this important, high-growth market. Bridgelux is an innovative leader producing premium lighting to high-end markets around the globe. This commercial partnership marks an exciting milestone for BluGlass and we look forward to enabling the lighting technologies of the future together."

Ends.

About BluGlass

BluGlass Limited (ASX: BLG) is a global leader in commercialising a breakthrough technology using Remote Plasma Chemical Vapour Deposition (RPCVD) for the manufacture of high-performance LEDs and other devices. BluGlass has invented a new process using RPCVD to grow advanced materials such as gallium nitride (GaN) and indium gallium nitride (InGaN). These materials are crucial to the production of high-efficiency devices such as power electronics and high-brightness (LEDs) used in next-generation vehicle lighting, virtual reality systems and device backlighting.

The RPCVD technology, because of its low temperature and flexible nature, offers many potential benefits over existing technologies including higher efficiency, lower cost, substrate flexibility (including GaN on silicon), and scalability.

About Bridgelux

Bridgelux is a leading developer and manufacturer of light source, control and driver solutions that allow companies, industries and people to experience the power and possibility of LED lighting. The company's solutions deliver high quality light for the commercial, industrial and outdoor markets. For more information, visit bridgelux.com.

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