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BluGlass Brings BLG-300II RPCVD Deposition System Online

Key Points

- BLG-300II installation and commissioning has been successfully completed
 - Material growths on the new RPCVD platform have now commenced
 - The new BLG-300II is an upgraded version of BluGlass' RPCVD workhorse - the BLG-300
 - The installation significantly increases BluGlass' development and foundry capacity by more than 30%
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Australian semiconductor technology developer, **BluGlass Limited (ASX:BLG)** has today announced that the BLG-300II, the newest RPCVD deposition system, is now commissioned and has commenced RPCVD growth runs at the Company's state-of-the-art manufacturing facility.

BluGlass is commercialising a breakthrough semiconductor technology called Remote Plasma Chemical Vapour Deposition (RPCVD) in the global LED, microLED and power electronics industries. BluGlass' patented hardware and processes offers manufacturers unique performance advantages due to RPCVD's low temperature and low hydrogen growth conditions.

This new platform is an upgraded hardware design of BluGlass' RPCVD workhorse, the BLG-300, which has been the backbone of the Company's development programs and enabled the recent technology breakthrough in RPCVD tunnel junctions for the LED industry.

Managing Director, Giles Bourne said "We are very pleased to have the BLG-300II online. This new platform incorporates all the learnings and hardware development expertise gained by the Company to date and represents the cutting edge of the RPCVD process and hardware. It will significantly assist BluGlass in delivering our industry goals".

The commissioning of the new larger scale RPCVD system significantly increases BluGlass' RPCVD development capacity and our potential foundry customer output, bringing our RPCVD deposition systems up from two platforms (a 7x2" system and a 19x2" system) to three - with the addition of this second 19x2" workhorse.

BluGlass has also completed its extensive facility extension and upgrade.

BluGlass Chief Technology Officer, Dr. Ian Mann said today "It's very exciting to have the latest RPCVD system online at BluGlass. The new system will initially contribute to both our tunnel junction program and scaling development. Additionally, we have a number of RPCVD foundry customers scheduled for

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prototype wafers for various LED, Laser Diode and other applications that will be developed on this latest RPCVD system.”

BluGlass is also continuing to make progress on the RPCVD retrofit of the commercial scale AIX-G4 (a 6x6” or 42x2” system) with its collaboration partner, global semiconductor equipment leader, AIXTRON.

The BLG-G4 is expected to come online towards the end of the year.

BluGlass looks forward to opening up the BluGlass facility for an Investor Open Day on August 26th 2019.

About BluGlass

BluGlass Limited (ASX: BLG) is a global leader 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 light emitting diodes (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.

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