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ASX Limited

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BLUGLASS RECEIVES FIRST LASER DIODE FOUNDRY ORDER FOR RPCVD

Australian technology innovator, BluGlass Limited (ASX: BLG), has announced today that it has received a laser diode foundry purchase order from a new customer. This customer has ordered both MOCVD and low temperature RPCVD services to use in their product development.

BluGlass will be providing low temperature RPCVD p-GaN in order to improve the device performance of the laser diodes. BluGlass is commercialising a breakthrough low temperature semiconductor manufacturing technology called Remote Plasma Chemical Vapour Deposition (RPCVD) that can allow semiconductor device manufacturers to create higher performing devices, such as LEDs and laser diodes, at lower cost while also being friendlier to the environment.

If successful, this order will be the first RPCVD laser diode prototype that BluGlass has produced, and will lead to repeat business. BluGlass Managing Director Giles Bourne said today “This will also further demonstrate to the industry the versatility and performance advantages of our low temperature manufacturing process. The RPCVD technology is continuing to attract strong interest from the semiconductor industry for a growing number of applications”.

Laser diodes are used in a variety of applications including fiber optic communications, barcode readers, laser pointers, CD/DVD/Blu-ray Disc reading and recording, laser printing, laser scanning, directional lighting sources, industrial machining and medical (surgical) applications.

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About BluGlass:

BluGlass Limited (winner of the 2013 Australian Technologies Competition) is an Australian green technology company formed to commercialise a breakthrough in the Semiconductor Industry.

BluGlass has invented a new process using Remote Plasma Chemical Vapour Deposition (RPCVD) to grow semiconductor materials such as gallium nitride (GaN) and indium gallium nitride (InGaN), crucial to the production of high efficiency devices such as next generation lighting technology Light Emitting Diodes (LEDs) with advanced performance and low cost potential. The RPCVD technology, because of its low temperature and highly flexible nature, offers many potential benefits over existing technologies including higher efficiency, lower cost, substrate flexibility including GaN on silicon and greater scalability.

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