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Market Announcements Platform
ASX Limited

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VEECO EVALUATION UPDATE

Australian Cleantech Innovator, BluGlass Limited (ASX:BLG) has today announced that the Veeco Instruments (NASDAQ: VECO) evaluation of RPCVD for green LEDs has moved to the next iteration after promising initial results on 2 inch wafers. The next part of the LED evaluation will involve greater collaboration between the two companies as the focus moves to demonstrating good green LED performance on larger size wafers.

Veeco will provide BluGlass with MOCVD grown partial green LED wafers on four inch sapphire for overgrowth using low temperature RPCVD for performance testing by the two companies. Veeco and BluGlass will also work closely together to develop a suitable MOCVD interface for RPCVD overgrowth to continue to improve on the performance properties for the green LEDs.

The initial materials evaluation of p-GaN for power electronics has also shown that the low temperature overgrowth of p-GaN in power electronics applications has the potential for a significant performance advantage. This is a very good indicator for the company. However as development in these new applications is still preliminary, RPCVD must improve on the thickness uniformity for these large silicon wafers prior to performing full device evaluation. Technical and commercial discussions are ongoing between the parties as to the best approach to demonstrate the advantages of RPCVD p-GaN for power electronics and this evaluation continues.

BluGlass CEO Giles Bourne said today “We are very pleased with the progress of the Veeco evaluation to date. This will now involve integrating the distinct technologies and greater collaboration between the two companies. BluGlass is continuing to work towards delivering a positive industry evaluation(s) of the competitive advantages of our unique RPCVD process”.

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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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