

Annual General Meeting

20th November 2008

CEO Report Giles Bourne



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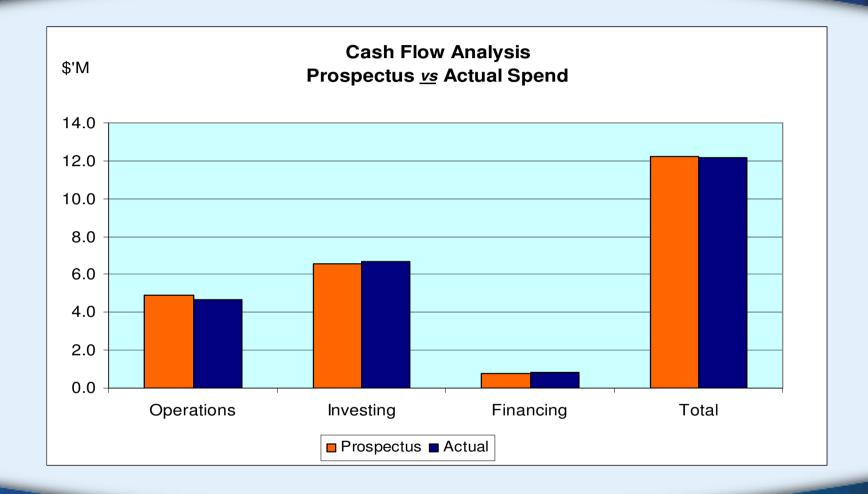


Agenda

- > Funds status
- > Year in review
- > BluGlass site opening
- > Key markets
- > IP and technology developments
- > Current state-of-play who are we speaking to?
- Outlook for 2009 and beyond



Funds Status





Year in review

- Established pilot manufacturing plant
- Built prototype commercial reactor
- Established business development capability
- > Strengthened IP position
- > BluGlass site opening







BluGlass Site Opening











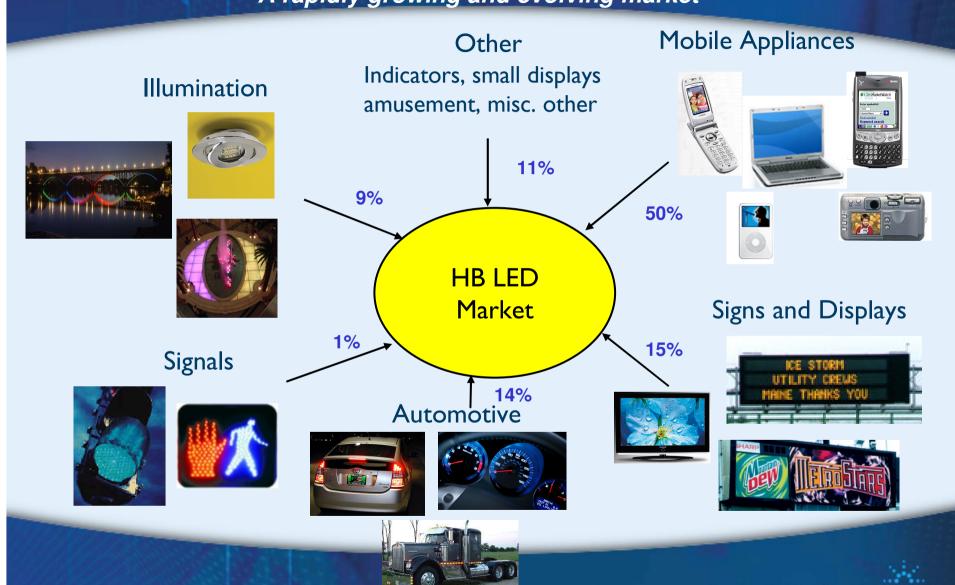


BluGlass Site Opening

- > 17 July 2008 the BluGlass site was officially opened by the Hon Peter Garrett, AM, MP Minister for the Environment, Heritage and the Arts
- > Newly built class 1000 & 100K cleanrooms
- > Full device fabrication facilities & mechanical workshop
- Commercial reactor is being performance tested and the data is under evaluation
- Commercial interest in the RPCVD process is growing with BluGlass committed to providing samples to key industry players
- Newly established Technology Council



High Brightness LED application segments A rapidly growing and evolving market



Source: Strategies Unlimited

Key Markets

- > BluGlass remains focussed on the LED market
 - Cost advantages of the RPCVD process
 - o Growth of solid state lighting market
 - o Attractive revenue model through licensing
- > BluGlass continues to explore technology and commercial opportunities for other nitride based III/V (e.g. power electronics & solar cells)

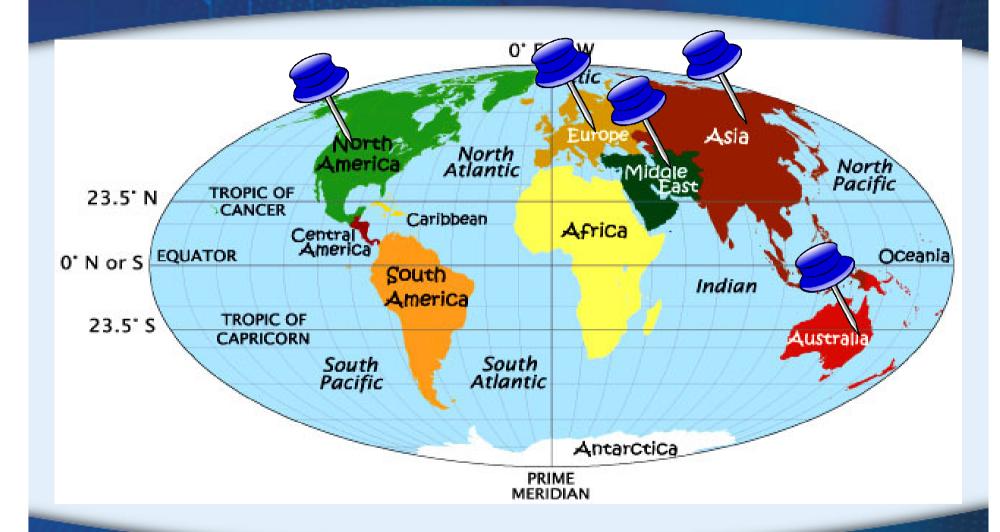


IP and Technology Developments

- > \$5M Commercial Ready grant
- > \$450K ARC Linkage grant
- > Other grants under application
- > IP portfolio
 - o 4 patents lodged
 - o Other patents under preparation
- > Development of the research scale reactor BLG 150
- BluGlass is active in key nitrides and LED conferences
 - o Taiwan, Switzerland, USA etc.



Current State of Play





PIDA, Taiwan November 2007 12





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Bluglass is a ray of light for clean techs

02 Jun 2008 | The Australian Financial Review - AFR Market Wrap | Tony Featherstone

Clean technology stocks are not for the faint-hearted. For all potential, many have burnt investors.

The "efficiency" sub-sector of clean tech, which includes compar trying to reduce energy consumption, has been especially weak.

It includes a grab-bag of stocks such as Gale Pacific, Bluglass, Traffic Technologies and Pro-Pac Packaging. The average one-year return is minus 41 per cent (see table).

But some such as Bluglass, soon to commercialise its technology produce semi-conductor materials for lighting, are making solid operational progr

REPORTS

easing to 48¢ -September 2006.

Bluglass headed t problems with ene

But like most sma interest.

The Sydney compan Lift Capital scan

No Bluglass direct still hurt. When

The resignation of personal reasons v have spooked inves

Then there is the on the radar of so brokers cover the

Bluglass was spuna technology for p nitride, which emi

The substance is u Light Emitting Dio some laptops, traf

http://www.afr.com/home/vie

12 November 2007

News

BluGlass announces reactor sale, uniform large-area plasma generation, and Technical Advisory Committee

semiconductor TODAY

Plasma Etch & Deposition

MPOUNDS & ADVANCED SILICON

BluGlass Ltd of Sydney, Australia (which was spun off from Macquarie University, New South Wales in mid-2005) says it has taken three critical steps in the commercialization of its GaN-onglass blue LED technology, setting it on track to demonstrate commercial production in 2008.

> Power and Propulsion Group (SP3) of) has successfully tested a key component ale remote plasma CVD (RPCVD) design that demonstrated uniform large-

ntered a provisional agreement to will involve ongoing collaboration for ologies.

nmittee of eminent scientists and

second Federal Government grant, this

LED production process and to access littee will provide independent advice to

The first payment from the latest grant

Stock of the Week

Bluglass Announces Pilot Plant to Open

Thursday June 19, 2008, 8:46 am

Original Announcement: BluGlass Pilot Plant Opening

nced that its pilot manufacturing plant built in Sydney to demonstrate its light emitting diode technology and faciliti illy opened on 17 July 2008. The important milestone comes as: the Company's first commercial-scale semicondu ed in the new Silverwater plant; and an Australian Research Council grant was awarded to BluGlass to improve th gy. The demonstration plant and reactor is expected to attract significant interest from global lighting manufacture per ways of making LED lighting fixtures for commercial, industrial and household use. The Company intends to s reactors, license its technology and earn royalties from the LED chips that its clients produce.

More information about BLG.AX

Cheaper Wafer Process Opens Markets for LEDs

nacked by a A\$5 million grant from the federal by-products. government, Australia's next-generation lighting
The BluGlass RPCVD process has company BluGlass Ltd has just opened a pilot beendeveloped as a lower temperature manufacturing plant in Sydney. The plant will be used to process of between 500 and 700°C for demonstrate its light emitting diode (LED) technology and the deposition of crystalline GaN facilitate licensing.

BluGlass is commercializing a unique Australian-bred growth on glass substrates, as well manufacturing technology known as remote plasma as synthetic sapphire and silicon. The chemical vapor deposition (RPCVD) to reduce the cost process doesn't require hydrogen of gallium nitride (GaN) semiconductor wafers, a core or ammonia, and this results in less Reactor component of high brightness LEDs.

will have tremendous benefits for the environment because it friendlier to the environment and safer to operate with no not only produces LEDs without the emission of toxic gases. toxic ammonia risk. but LED lights use a fraction of the electricity of traditional

process to grow nitrides at low temperatures has created energy and cost sa new opportunities for hybrid technologies with significant to deliver for next commercial prospects in areas such as oxide-nitride mixed independent analy structures, solar technology and silicon."

RPCVD vs MOCVD Processes

The BluGlass RPCVD process has been developed as a into mass markets.

films, making it compatible with

expensive gas abatement infrastructure with charcoal or BluGlass CEO Giles Bourne said: "Our lighting technology activated alumina filters being sufficient, making the system

Cost-Effective "Green" Process

savings of more th

BluGlass's low o

semiconductor TODAY

News

10 April 2007

GaN-on-glass process could yield 48% savings for LED epi, suggests cost of

RhuGlass Ltd of Sydney Australia (which was soun off from Macquarie University in mid-2005) Butchase Ltd of Syuney, Australia (winch was spin on Holin Macquare Chievesia) in Has-hase released figures suggesting that its remote plasma CVD (RPCVD) process for low-temperature deposition of GaN onto glass substrates (rather than conventional MOCVD on sapphine) can cut the cost of manufacturing GaN-based LEDs at both the epiwafer level and assembled device level, according to an independent assessment commissioned from US-b firm Wright, Williams & Kelly Inc (WWK), a cost -of-ownership modeling group for the

The model compares the RPCVD process on 2-inch diameter buffered glass substrates versus the The model compares the RPCVD process on 2-inch diameter buttered glass substrates v more conventional MOCVD process on similar-sized supphire substrates, based on a 21 wafer-capacity commercial production tool. MOCVD data was collected by an independ industry expert and includes current best estimates of material and other input costs and productivity for a US-based manufacturing facility.

Wafer-level analysis shows a cost saving of 48% for RPCVD, driven by a 70% reduction in materials and consumables costs (mainly due to using glass rather than sapphire substrate and replacing costly and toxic ammonian with nitrogen). In addition, over a project useful reactor life of seven years, operating costs are almost \$8m lower due to RPCVD's operating temperature of 700°C being about 300°C lower than that of MOCVD.

Also (using an outside expert to provide a backend assembly process flow) an integrated downstream assembly cost model for a 0.35mm x 0.35mm square mesa-structured chip in a standard 'Blue LED T1' encapsulated package with a water-clear lens shows that the RPCVD process leads to a 10% cost advantage at the final assembly level for a simple blue LED device (assuming no difference in post-epiwafer processing costs between MOCVD-grown GaN-on sapphire and RPCVD-grown GaN-on-glass).

The Sydney Morning Herald, September 26, 2007

wernment has announced a \$5 million grant to a company working on an energyg project tipped to provide the next generation of lighting in homes.

help BluGlass Ltd to commercialise light emitting diodes (LEDs).

BluGlass wins \$5m lighting tech grant

ter Ian Macfarlane said the company's technology would significantly cut the cost of are component of LEDs.

did many different jobs in the electronic world, from forming the numbers on digital mitting information from remote controls or simply indicating when an appliance is

s a patented process for making low-cost gallium nitride wafers, a core element of

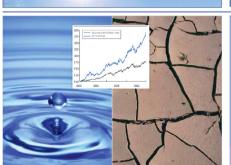
on has great potential, with the gallium nitride market expected to double over the next nore than \$10.8 billion," Mr Macfarlane said.

future of lighting because of their high energy efficiency, robust construction, long life, brightness and colour quality and their use of environmentally friendly materials.

orm bulbs, are comparable with but will soon exceed fluorescents and, in time, will i bulbs."

said energy efficiency had a crucial role to play in reducing carbon emissions so the as excited by the potential of the technology.

oduct would have the same impact on hi-tech industries as the advent of the silicon



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Looking Forward

Over the next 12 months BluGlass expects to;

- > Complete the process development
- Provide samples to key potential customers
- Invite prospective customers from Asia and North America to the BluGlass facilities for live demonstrations
- Develop strategic partnerships and explore potential for joint ventures
- > Execute license deals and equipment sales



Giles Bourne, CEO

Thank You

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