



2016BluGlass Investor Presentation

GILES BOURNE MANAGING DIRECTOR

CORPORATE OVERVIEW



BOARD

George Venardos

Giles Bourne
Managing Director

William Johnson
Non Executive Director

Chandra Kantamneni

Greg Cornelsen
Non Executive Director

Vivek Rao
Non Executive Director



CORPORATE

Established

2006

ASX:BLG

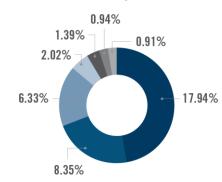
326M

shares issued



TOP SHAREHOLDERS

as at 1 Aug. 2015







AWARDS & GRANTS

2013

Australian Cleantech Competition Winner & 2013 Australian Cleantech Competition Manufacturing Award

GLOBAL TOP 30

Finalist in GCCA Cleantech Later Stage Award

\$5M

Commercial Ready Grant

\$4.95M

Climate Ready Grant

\$3M

Cleantech Innovation Grant



TECHNOLOGY A Platform Technology

BluGlass is targeting the rapidly expanding LED, PV, and Power Electronics markets



Lighting Mobile devices & TVs Green & yellow LEDs UV LEDs

Consumer electronics Power Supply Data centers Auto

Focus on industrial scale solar power (concentrated photovoltaics)

VEECO EVALUATION

Industry evaluation by market leader – equipment manufacturer



Worlds largest MOCVD equipment manufacturer

NASDAQ: VECO

\$806M

Market cap

RPCVD Evaluation

STATUS



Positive initial 2 inch trials for green LEDs

Now progressing to 4 inch trials and greater collaboration



Initial materials evaluation of p-GaN for power electronics has also shown that p-GaN has the potential for significant performance advantage

LUMILEDS EVALUATION

Exclusive Collaboration Agreement with market leader – device manufacturer



WORLD LEADING LED COMPANY EVALUATING RPCVD FOR NOVEL LED APPLICATION



Collaborative evaluation with Tier-1 LED manufacturer

Targeting enhanced performance and lower cost LEDs using RPCVD

Collaboration will focus on a novel application of RPCVD

INDUSTRY CHALLENGE High Temperature Growth

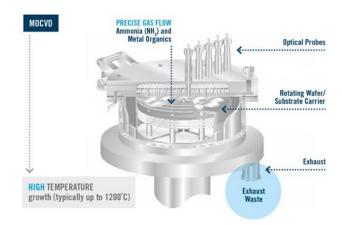
MOCVD – The Industry Incumbent Technology



High temperature processes limits MQW **performance** (active region of LED)

Uses **ammonia** as nitrogen source, produces toxic waste

High temperatures limit use of large silicon substrates

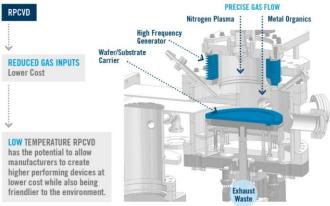


THE RPCVD SOLUTION Low Temperature Growth

RPCVD - Remote Plasma Chemical Vapour Deposition



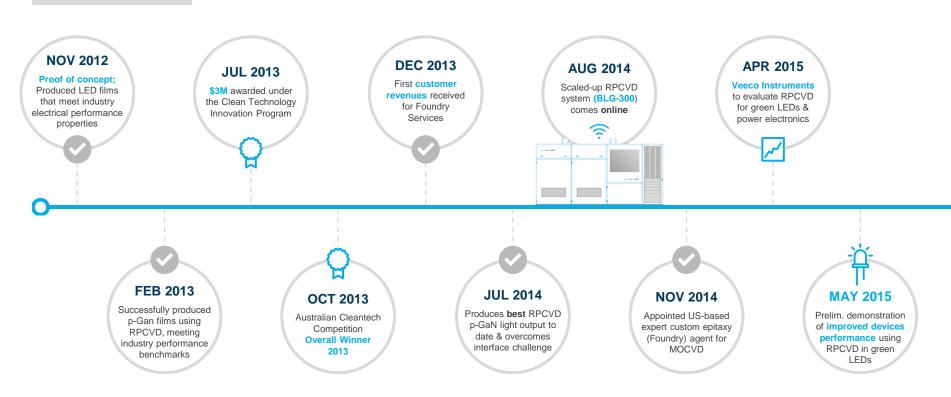






TIMELINE - Historical

BluGlass has made significant technical progress in bringing RPCVD towards commercialisation



HIGHLIGHTS FY 2015

BluGlass is now engaged with the industry to complete industry evaluation and acceptance of RPCVD



PATENTS

Hardware & Process Patents



COMMERCIALISATION PATHS

BluGlass continues to review all options for the commercialisation of its RPCVD technology

	LIKELY PATHS	STATUS
LED T	License RPCVD technology Partner with LED device or equipment manufacturer	In discussion with equipment & device manufacturers Evaluation in progress
Power Electronics >	License RPCVD technology Foundry — wafer sales Partner with Power Electronics player	In discussion with potential partner(s)
Solar	Partner with solar CPV player Manufacture and sell high performance PV wafers	Considering JV options & partners

PATH TO MARKET

BluGlass is active in all four segments of its path to market

DEMONSTRATE KEY APPLICATIONS

Improve device performance combining RPCVD with MOVCD

GROW FOUNDRY BUSINESS

Continue to work with MOCVD & RPCVD customers at the leading edge of technology innovation to grow revenue & reputation in the industry

GAIN INDUSTRY ACCEPTANCE

Complete industry evaluation with multiple partners in the value chain (e.g. equipment & device manufacturers)

DRIVE COMMERCIALISATION

BluGlass is evaluating a number of commercialisation options for RPCVD (inc. JV, Strategic Partner, Licensing & Foundry)



END MARKETS LED

LED market is experiencing strong growth

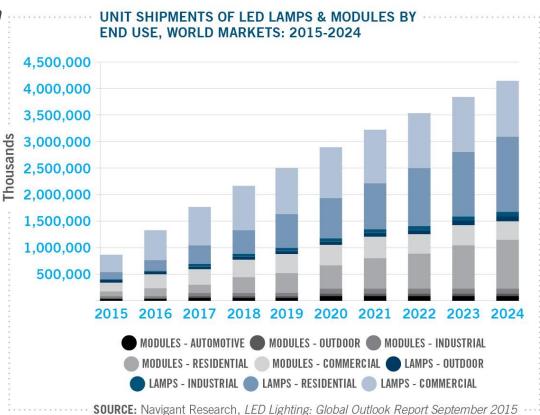
45%

The LED lighting market is anticipated to grow 45% per year through 2020



\$216B

Global revenue from LED lighting systems is expected to total **\$216 billion** through to 2024



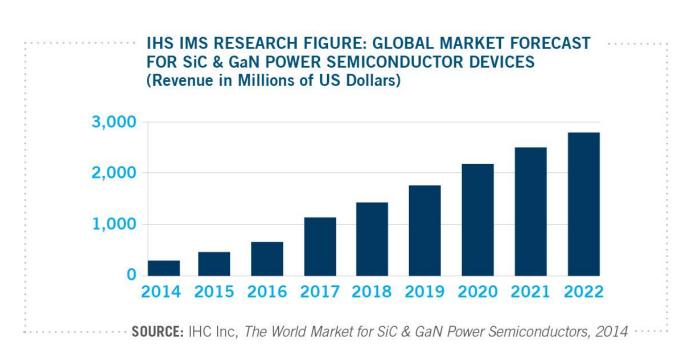
Source: Navigant Research

END MARKETS Power Electronics

The Power Electronics markets also presents a growing opportunity for the RPCVD technology



The emerging global market for SiC and GaN power electronics is expected to grow 17 fold over the 10 years from 2013 through to 2023



SERVICE BUSINESS - FOUNDRY



Multiple foundry
customers
& a growing pipeline of
new customers

Some customers have begun to trial RPCVD



BluGlass is now conducting foundry and custom epitaxy services for a variety of applications including green and blue LEDs, power electronics, and laser diodes



The foundry business continues to expose BluGlass to new and emerging applications that could benefit from a low temperature RPCVD technology

SERVICE BUSINESS - FOUNDRY



Key strategy is to attract customers requiring MOCVD initially to test their applications with a path to incorporate the advantages of low temperature RPCVD as the technology continues to mature



GROWING NEW CUSTOMER PIPELINE

2 Specialty application LED customers

1 Laser Diode Company wanting to try hybrid RPCVD/MOCVD Laser Diodes

1 Power Electronics Company



WORLD LEADING TEAM Board of Directors



GEORGE VENARDOS Chairman



GILES BOURNE Managing Director



WILLIAM

JOHNSON Non-Executive Director Non-Executive Director



CHANDRA

KANTAMNENI



GREG CORNELSEN Non-Executive Director



VIVEK

RAO Non-Executive Director

35 years experience in insurance, finance and fund management

Director Ardent Leisure

Director IOOF

Former CFO. Insurance Australia Group (10years)

20 years experience in clean tech & manufacturing

Business development & commericialisation specialist

Seasoned CEO with extensive technology leadership expertise in the global semiconductor industry

Former President & CEO. SPTS **Technologies**

30 years experience in alobal semiconductor industry

Former Technical Director. **UCLA Nano Systems**

Former VP. Worldwide Fab Operations, Peregrine Economics background

Business development specialist

Former Director MOV

Founder Springbok **Natural Waters**

21 years in the semiconductor capital equipment industry

Technology leadership specialist

Executive VP and COO of SPT Microtechnologies



WORLD LEADING TEAM Management Team



GILES
BOURNE
Managing Director



Business development & commericialisation specialist



DR. IAN MANN coo/cto



IP commercialisation specialist



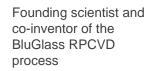
STUART
UHLHORN
Chief Financial Officer



Former Head of Corporate Services, IAG



DR. MARIE
WINTREBERT
Chief Scientist



Device design, fabrication, modeling and measurement expert



PAUL
DUNNIGAN
Hardware & Technical
Services

20 years semiconductor equipment professional

Customers include Intel, International Rectifier, Infineon and ST Microelectronics

FACILITY & WORLD LEADING TEAM



1,200m²

FACILITY in Sydney, Australia

12

PROCESS HARWARE & DEVICE TEAM 9PHDs

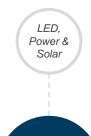


Currently generating **REVENUE** from custom epitaxy & contract R&D

CONCLUSION Investment Highlights



Disruptive platform technology



Multiple.

Multiple, growing end markets



Well funded, approaching commercialisation



Foundry

sales

High end foundry & service capability



A team with global leading expertise in semiconductors



Multiple awards & grants



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