

BLUGLASS PRESENTATION

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EXECUTIVE SUMMARY

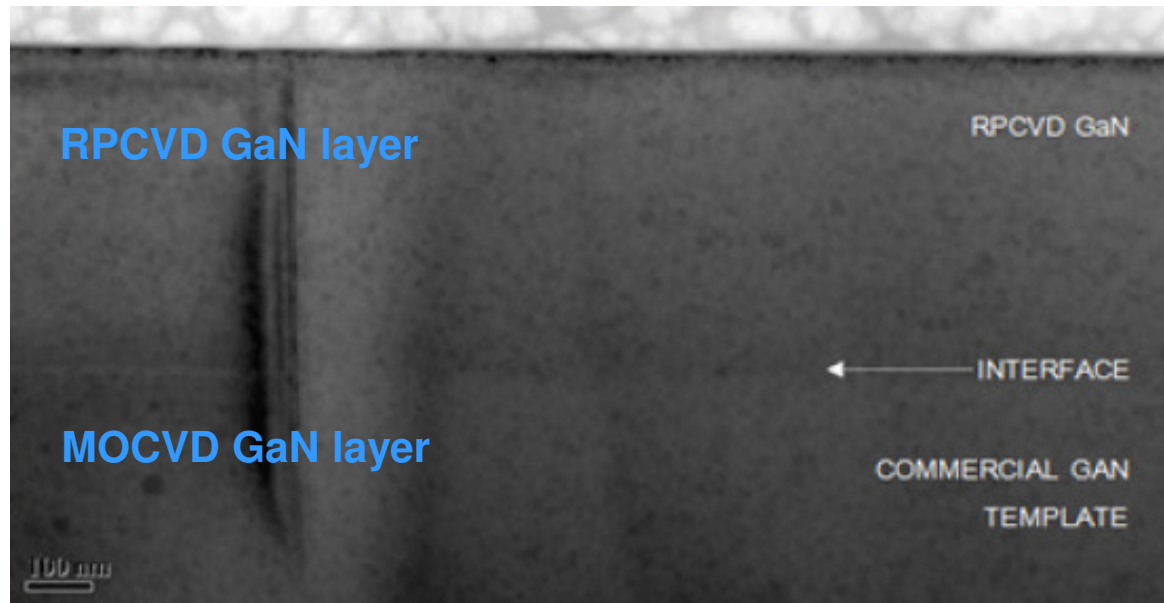
✓	Breakthrough Technology	▪ BluGlass has patented processes for exploiting Remote Plasma Chemical Vapour Deposition (RPCVD) ▪ Applicable to several large end markets
✓	Performance and Cost Advantages	▪ Superior performance potential for LED and PV devices enabled through BluGlass' unique lower temperature process ▪ Cost and scalability benefits
✓	Rapidly Growing End Markets	▪ LED market grew from \$11.3B in 2010 to \$12.5B in 2011. Demand for LEDs in lighting market grew 44% to \$1.8B in 2011 ¹. ▪ Concentrated Photovoltaic (CPV) solar cell market expanding to 1.5GW by 2015 ².
✓	Key Partnerships	▪ JV with SPTS Technologies (global semiconductor equipment provider) ▪ Significant Australian Government grants
✓	Progressing towards commercialisation	▪ RPCVD technology approaches commercialisation ▪ Next steps for the company: - Produce commercial quality material - Produce market leading material - Customer site for demonstration and testing

1. Source: Strategies Unlimited March 2012

2. Source: 2010-2015 CPV Consortium 2010 Report

RECENT ANNOUNCEMENTS

TEM IMAGE AT INTERMEDIATE MAGNIFICATION



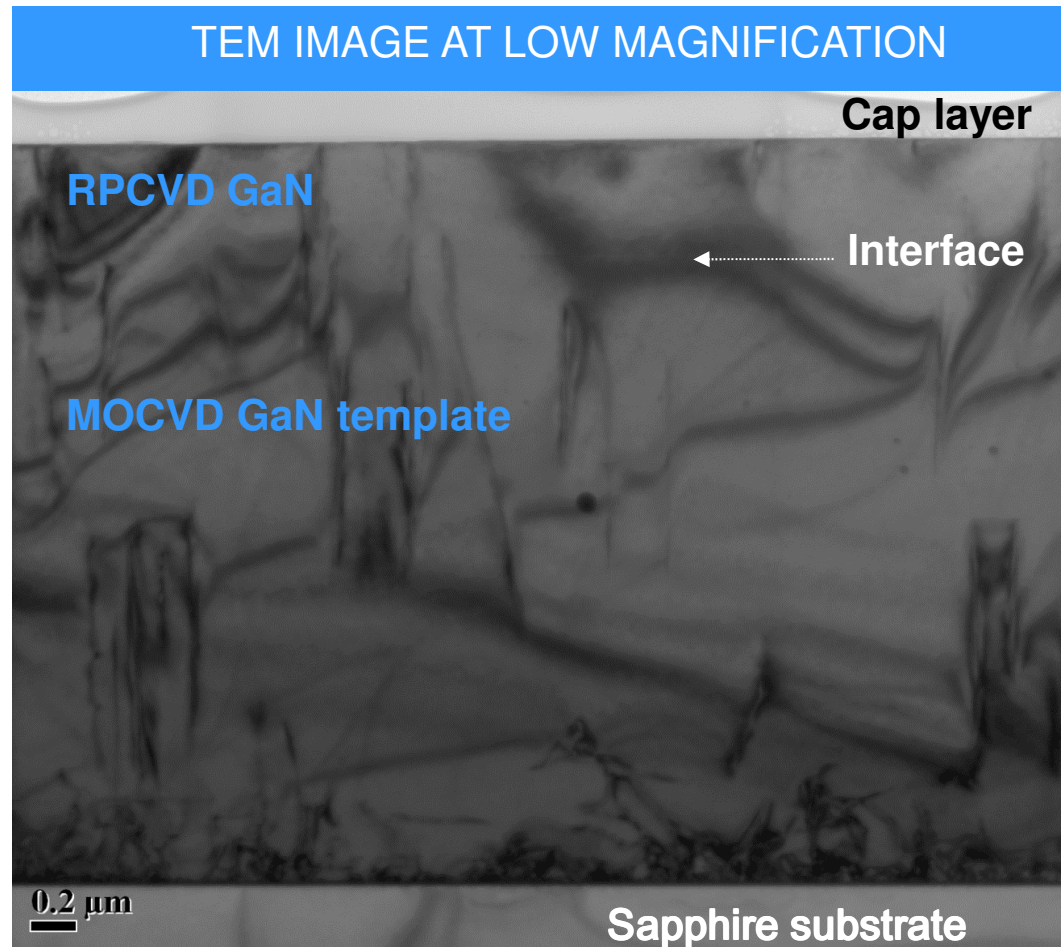
As shown in the transmission electron microscopy (TEM) image, both the MOCVD and low temperature RPCVD GaN layers (dark grey layers) are of equal quality, i.e. both have a low defect density and good crystalline quality

- BluGlass produces high quality crystalline GaN films using low temperature RPCVD
 - ✓ Independent Expert verification of film quality
- The achievement of high quality crystalline GaN films grown at low temperature on commercial MOCVD GaN templates is the result of a significant reduction of the 'defect density' in RPCVD GaN material

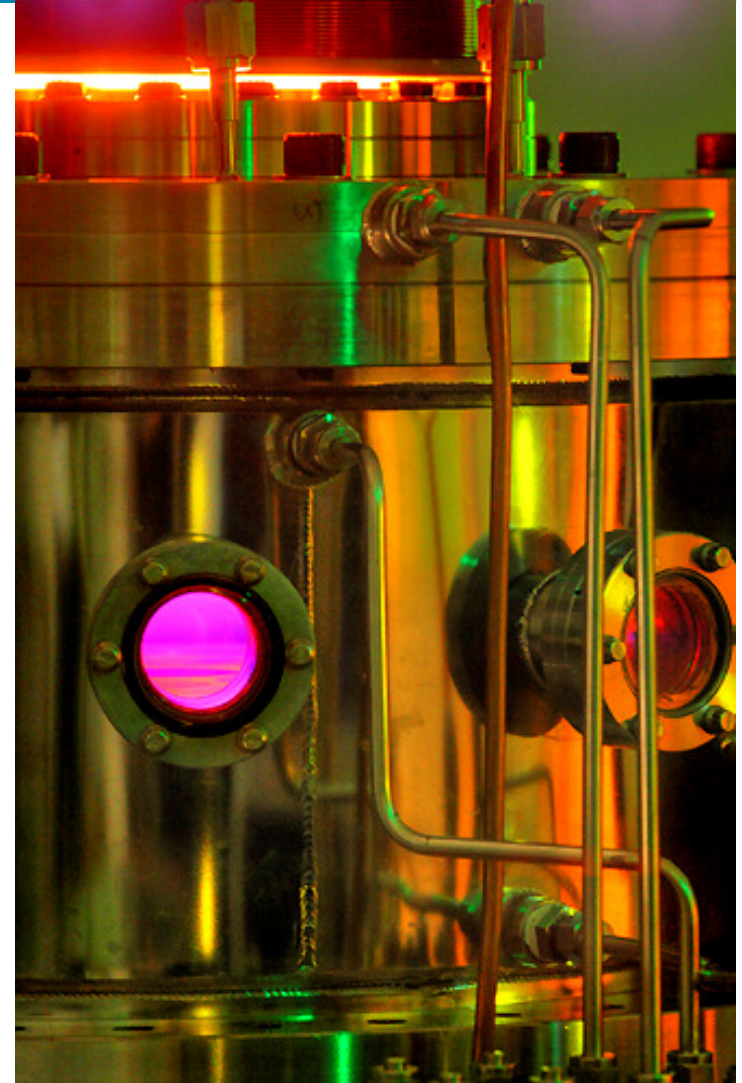
LOW DEFECT DENSITY RPCVD GAN

BluGlass has made inroads towards proving the commercial potential of RPCVD

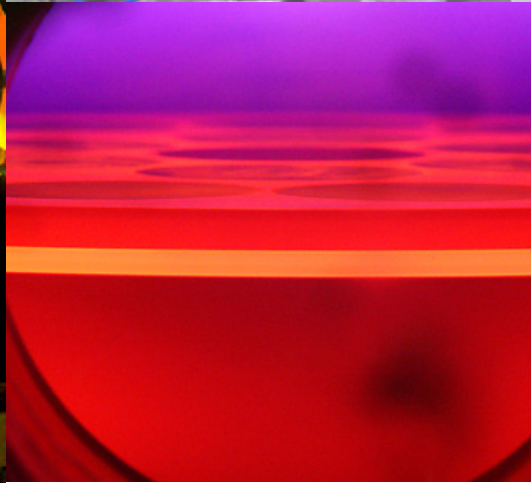
- Significant progress towards minimising impurities to within industry acceptable ranges
- The crystal quality is a dramatic improvement for RPCVD; and is largely due to the reduction of impurities incorporated into the GaN layer during growth



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VIRTUAL TOUR



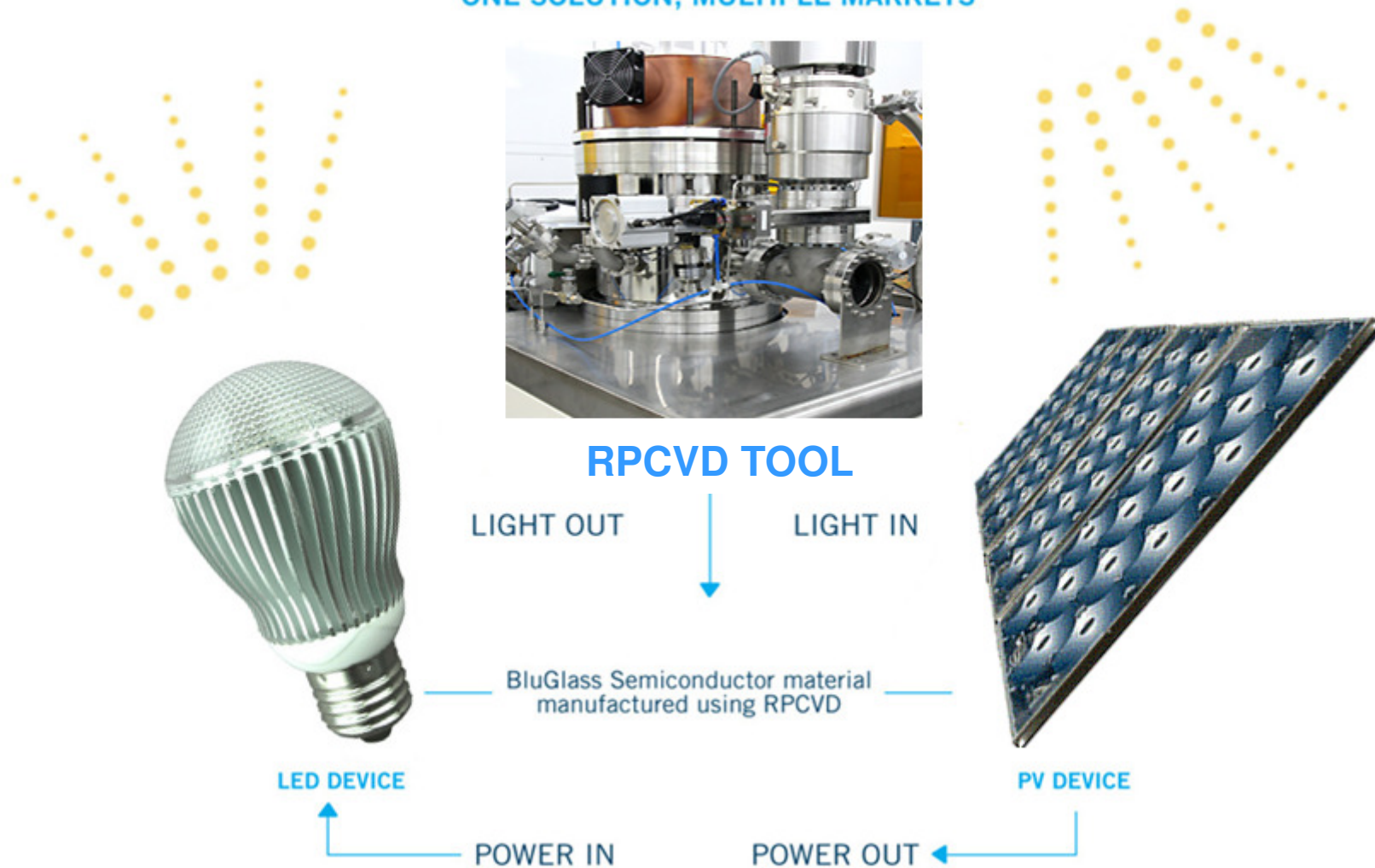
FAST FACTS

BluGlass Limited Corporate Profile

ASX CODE	BLG	ESTABLISHED	22 September 2006
SHARES ON ISSUE	240 Million	MARKET CAPITALISATION	\$18.9 Million (28.06.12)
SIGNIFICANT HOLDERS	SPTS Pty Ltd (Global Semiconductor Equipment Manufacturer) (19.9%) Access Macquarie and Macquarie University (9.7%) Wellington Management (Boston, USA) (5.8%)		
KEY STAFF	Giles Bourne (CEO) Stuart Uhlhorn (CFO) Dr Ian Mann (CTO)		
BOARD OF DIRECTORS	George Venardos (Chairman) Chandra Kantamneni Greg Cornelsen Dr Bill Johnson (SPTS President) Dr Alan Li		
JOINT VENTURE	BluGlass has entered into a joint venture with global semiconductor equipment manufacturer, SPTS Pty Ltd to bring RPCVD to market on field proven production platforms		
INTELLECTUAL PROPERTY	BluGlass currently has fourteen patents accepted or granted in key semiconductor markets including the USA, Japan and China		

A PLATFORM TECHNOLOGY

ONE SOLUTION, MULTIPLE MARKETS





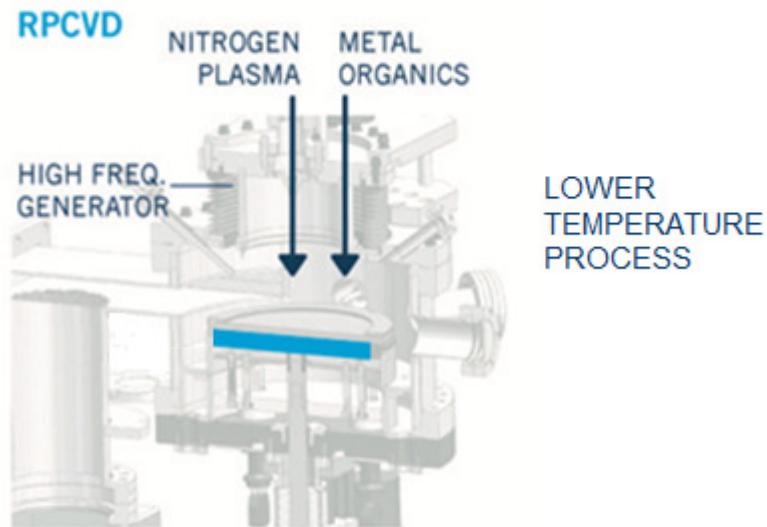
LED OPPORTUNITY

“It is estimated it is possible to alleviate the need for 133 nuclear power stations in the US by the year 2025 if white solid state lighting is implemented”

Professor Shuji Nakamura

POTENTIAL VALUE PROPOSITION OF A LOW TEMPERATURE PROCESS

BLUGLASS TECHNOLOGY



*A low temperature process offers
manufacturers of LEDs significant
advantages for both performance and cost*



Low temperature process



Potential performance advantages



Low cost inputs



Substrate flexibility

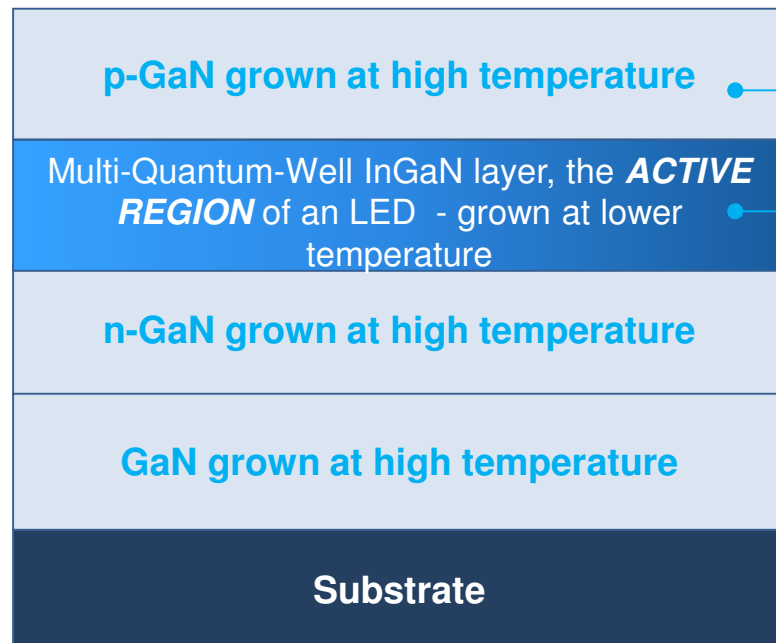


High potential for scalability

PERFORMANCE ADVANTAGES FOR LED

A low temperature growth system such as RPCVD offers LED manufacturers compelling performance advantages at several stages of device growth

LED STRUCTURE GROWN USING MOCVD



BENEFITS OF RPCVD GROWTH

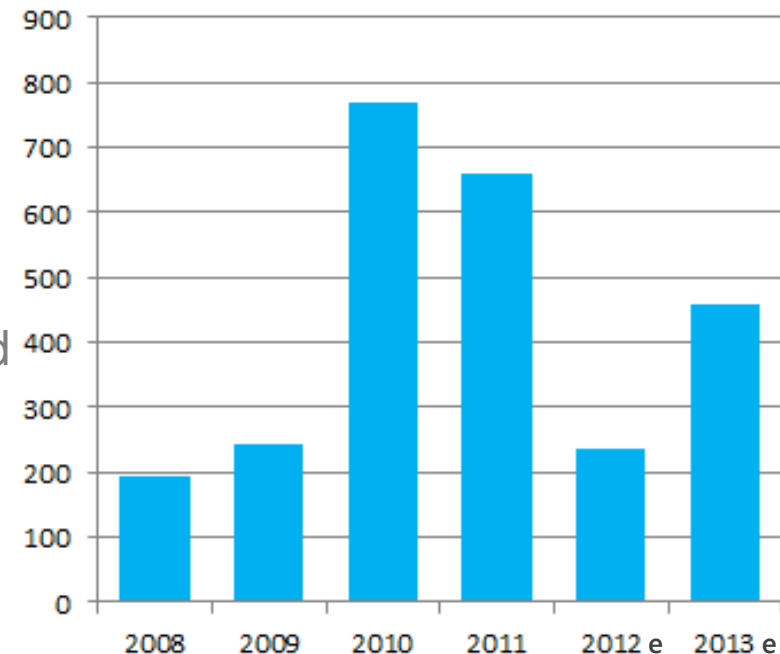
The higher temperature growth of the p-GaN top layer can cause some of Indium to diffuse out of the active MQW layer and reduce the LEDs light performance. MOCVD cannot effectively grow quality p-GaN at lower temperatures *RPCVD has great potential to improve device performance simply by growing a low temperature p-GaN layer which in turn improves the stability of the InGaN layer during fabrication*

A second potential for RPCVD is the growth of high quality InGaN MQW layers at lower temperatures than MOCVD *The RPCVD process could enable Indium rich MQW layers necessary for green LEDs and also for PV devices*

TARGET MARKET FEATURES

- BluGlass is targeting the high value / high margin LED equipment market
 - *US\$6.1 Billion opportunity through to the end of the decade¹*
- Veeco estimates ~400-800 machines shipped annually for LEDs to 2016²
- Two global (NASDAQ) MOCVD companies hold +95% of the market
 - Veeco (US) (market cap US\$1.32B³)
 - Aixtron (Germany) (market cap US\$1.48B³)
- High gross margins with tools selling ~US\$2M system purchase price
- This market is driven by the rapidly expanding LED lighting market

MOCVD UNITS SHIPPED

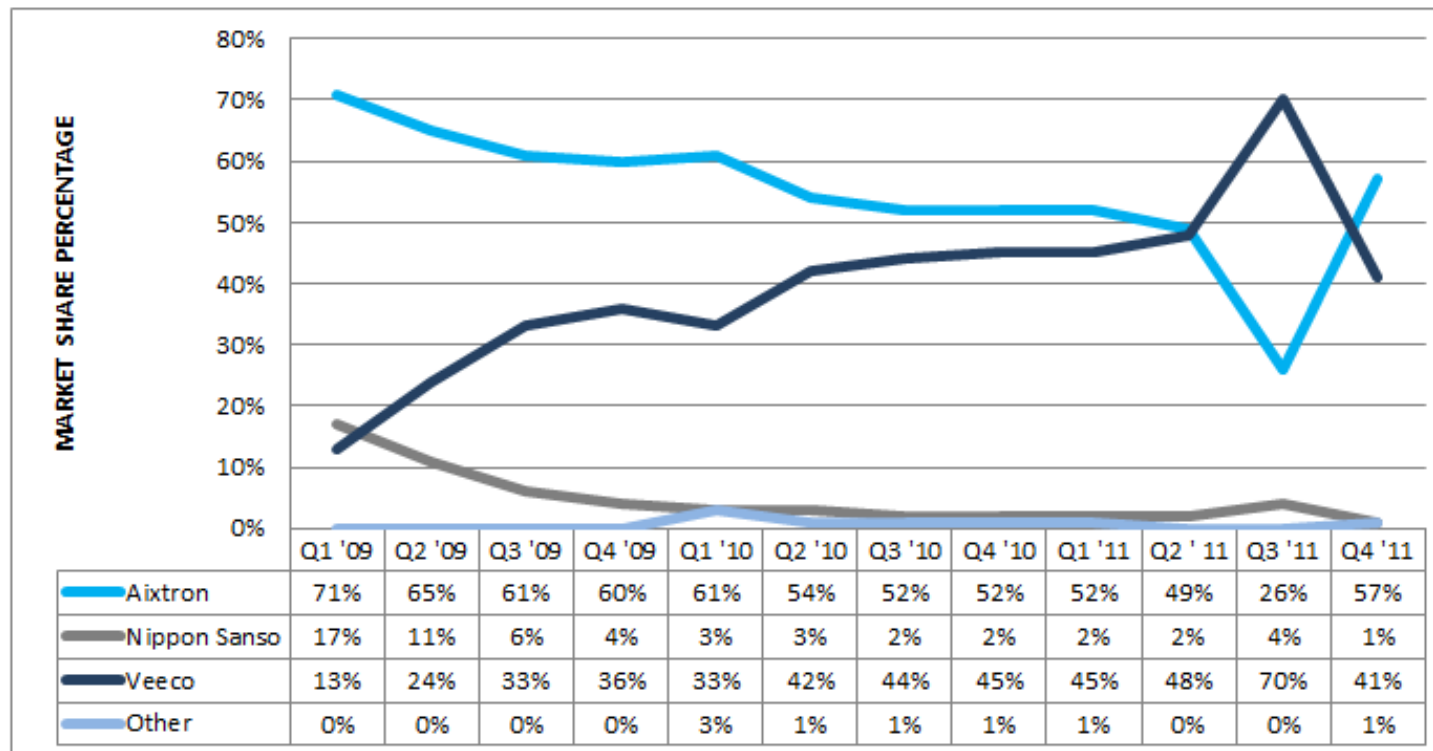


Notes: 1). Yolé Développement III-V Epitaxy Equipment and Application Market Report 2012 2). Veeco Investor Presentation June 2012 3). As at 13 June 2012 ; Chart Source: B Riley and Co 2012

EQUIPMENT MARKET SHARE

*The MOCVD market is highly concentrated and is currently dominated by two key players:
Aixtron of Germany and Veeco of the USA*

EQUIPMENT MARKET SHARE



Source: IMS Research Quarterly GaN LED Supply and Demand Report March 2012

MARKET DRIVER

LED Market 2011-16



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