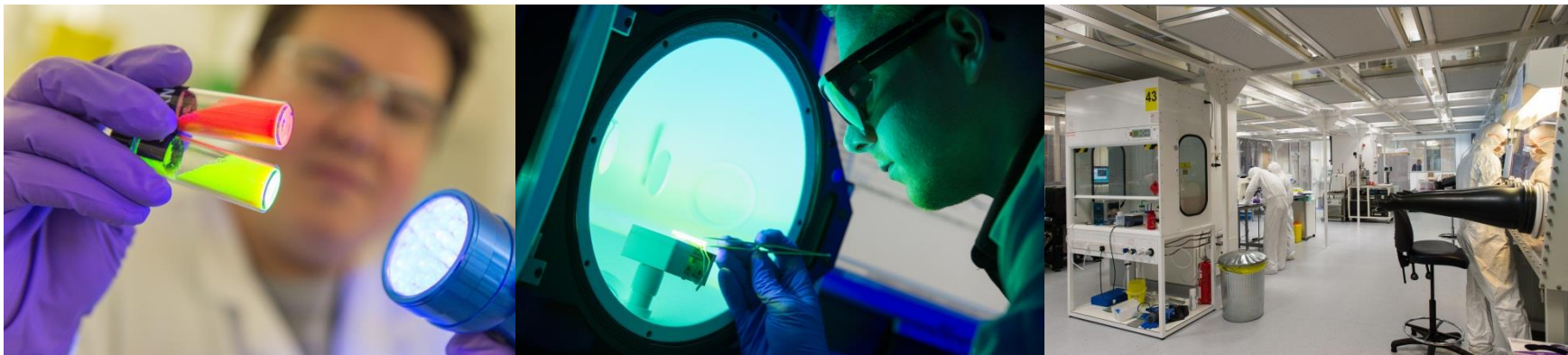


NANOCO GROUP PLC

INVESTOR PRESENTATION

August 2016

LSE: NANO.L



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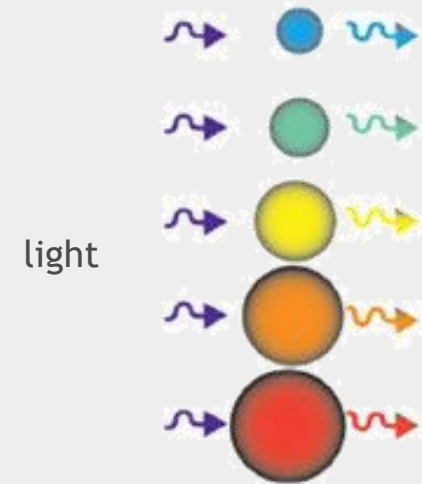
It should be noted that past performance cannot be relied on as a guide to future performance. This presentation contains forward-looking statements with respect to Nanoco’s plans and objectives regarding its financial conditions, results of operations and businesses. Some of the factors which may cause actual results to differ from these forward-looking statements are discussed in Nanoco’s filings with the London Stock Exchange.

The financial information referenced in this presentation does not contain sufficient detail to allow a full understanding of Nanoco’s results. More detailed information can be found on the Investor Relations section of the Nanoco website (www.nanocogroup.com).

- A pioneer in the development and production of cadmium-free quantum dots (CFQDs)
- Scalable "platform technology" with multiple markets and product applications
- Cost and performance competitive versus OLED technology in displays
- Supply and licensing agreements in place with Dow, Merck and Wah Hong, position Nanoco to dominate the market and drive revenue growth
- LCD TV market starting to ramp usage of CFQDs with market leader Samsung leading the way with its SUHD TV range
- Extensive and growing patent portfolio
- Well funded for product ramp to profitability with c. \$20 million in cash and equivalents as of 7/31/2016

What is a quantum dot (QD)

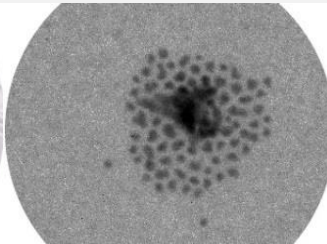
- Tiny particles of a fluorescent semiconductor material
 - Typically 10 to 100 atoms in diameter
- Size of the quantum dot determines the spectrum of perceived to be emitted from the material
 - Smaller = blue; Larger = red
- Quantum dots can also be tuned to light beyond visible light
 - Infra-red or ultra-violet parts of the spectrum
- CIGS nano-particles are printable semiconductors used to produce thin film solar cells



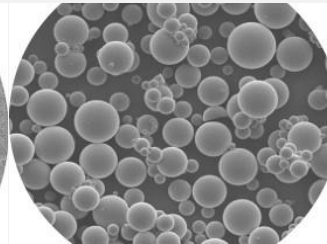
- CFQD® provide environmental and health benefits (RoHS compliant)
- Decreased energy consumption when used in display applications
- Bright, high quality and energy efficient
- Materials highly tuneable to a specific color on the spectrum
- Unique “seeding process” enables mass production
- Chemical tuning of the surface materials allows for additional applications, creating a “platform technology”
- Extensive & growing patent portfolio (*ca.* 460 patents and patent applications) with patents covering five key areas:



Process



Materials



**Surface
chemistry**



Devices



Solar

KEY MARKETS ARE LARGE



Display



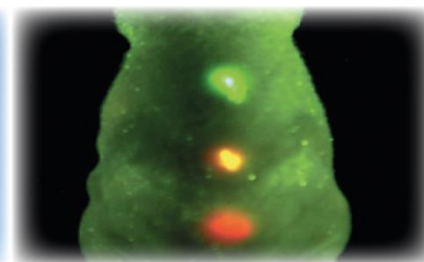
Lighting



Solar



Biomedical



Application	LCD backlighting	High CRI LED lighting	Thin film solar	Biological imaging In-vivo & in-vitro diagnostic
Technology	CFQD® quantum dots CFQD® quantum dots resin	CFQD® quantum dots film	CIGS nanomaterials	Water soluble CFQD® quantum dots Functionalized CFQD® quantum dots
Business Model / Timing	License & materials sales	Film sales / Near term niche potential with ability to expand usage	Partner license & Material sales (toll)	Partner license with upfront fees / Longer term
Anticipated addressable market size	\$7.5B in 2022 ²	c.\$150M near term c.\$700M with further R&D	Expected to enhance the rapidly growing thin film solar market	QD's in healthcare = c.\$1B in 2022 ²

1) Market&Markets - Quantum Dots Market by Product, Application, Material & Geography - Forecast & Analysis (2013 - 2022)

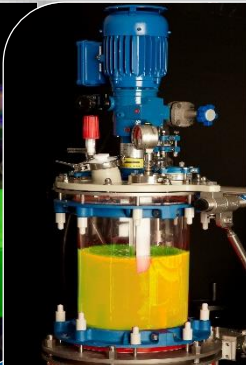
(2) MarketsandMarkets report, 2012



1) CFQD® quantum dots

CORE BUSINESS

Developing & manufacturing heavy-metal free quantum dots fit for purpose



2) CFQD® quantum dots + Resin

CORE BUSINESS

Ensuring Nanoco's CFQD® quantum dots work in customers' resin systems



3) CFQD® quantum dots/Resin in device

CFQD® quantum dots are incorporated into film, lens, capillary, LED, etc. Nanoco partners with end user customer or device producer such as a film manufacturer

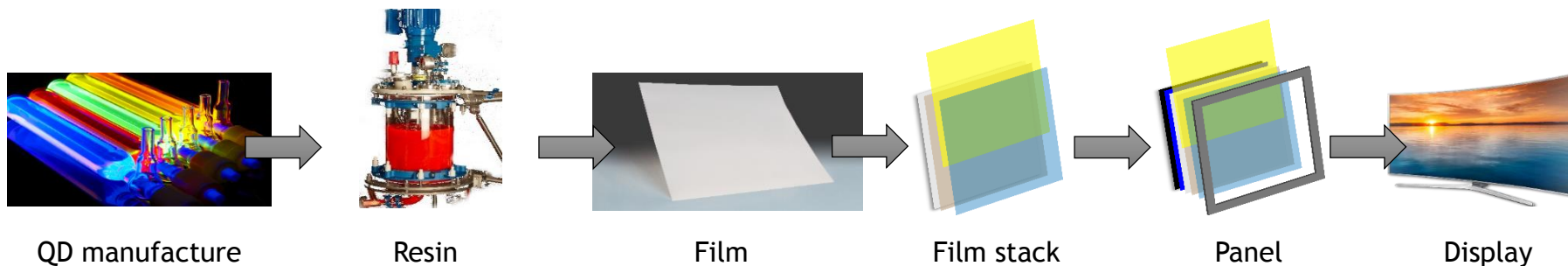


4) CFQD® quantum dots product

Nanoco's near term focus for CFQD® quantum dots is on backlighting for LCD display and LED lighting.

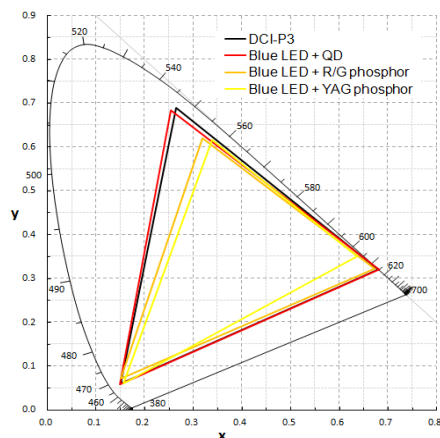
Nanoco partners with end user customer

DISPLAY: BENEFITS OF CFQD® FILM FOR LCDs



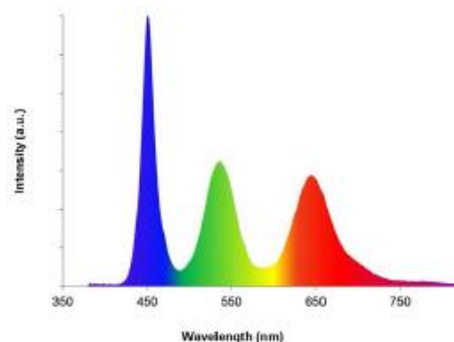
Better Color Gamut

- Much improved color saturation
- Improved color enhancement over LCD → similar to OLED



Energy Efficient

- Narrow bandwidth = more light extraction through color filters
- Enables use of blue LED instead of less efficient white LED



Minimal Process Change

- Uses existing LCD manufacturing infrastructure
- Uses existing LCD supply chain



DISPLAY - GLOBAL QD FORECAST

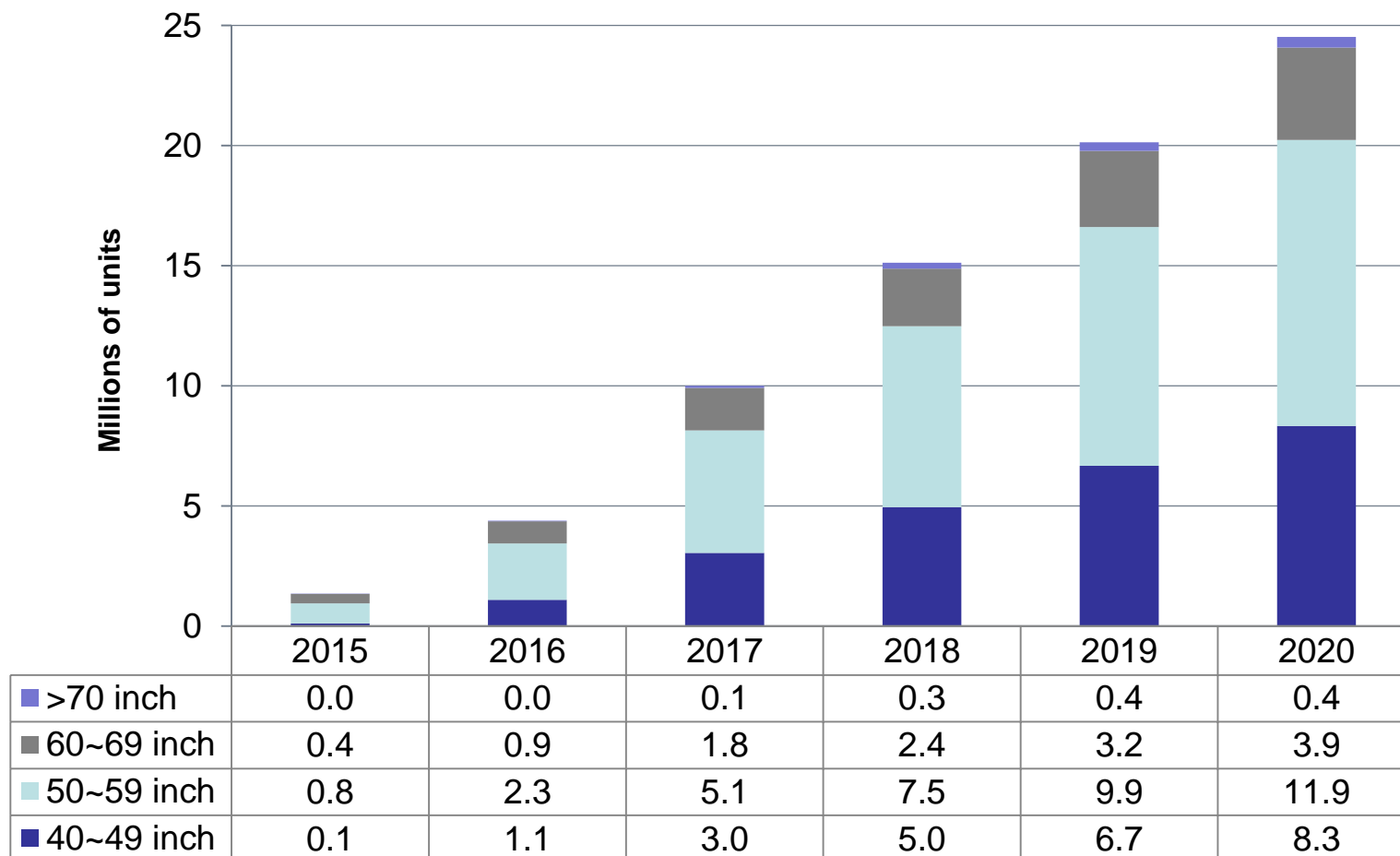
(Millions of units)						
	2015	2016	2017	2018	2019	2020
Quantum dot market forecast	1.9	5.6	12.7	20.0	29.0	40.7
Growth rate		201.70%	124.80%	57.40%	45.00%	40.50%

By application (Volume)

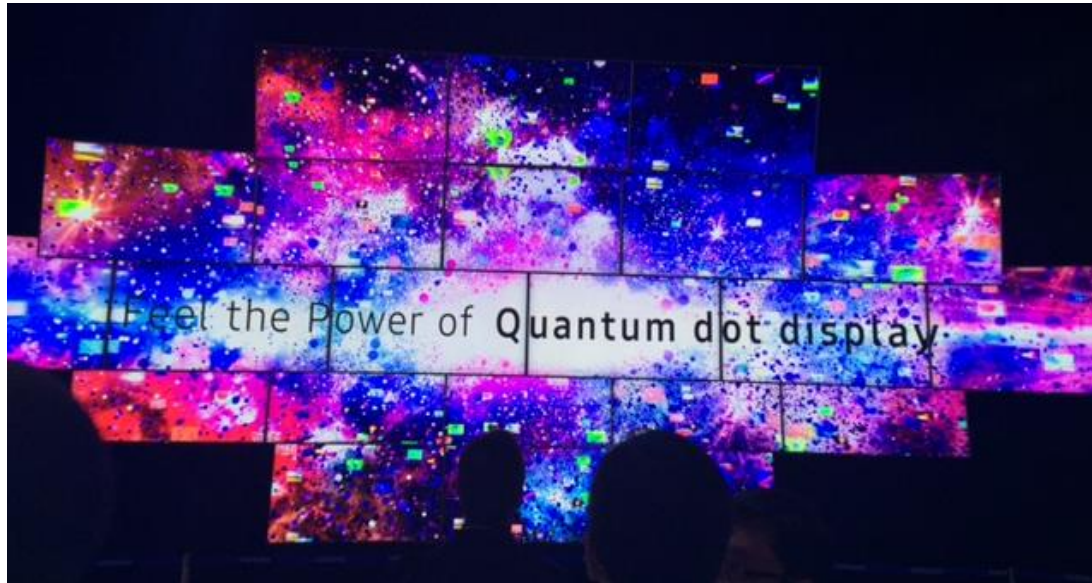
(Millions of units)						
	2015	2016	2017	2018	2019	2020
TV	1.4	4.4	10.0	15.1	20.1	24.5
Monitor	0.4	0.8	1.4	1.9	2.5	3.2
Notebook	–	0.1	0.2	0.3	0.5	0.8
Tablet	0.1	0.4	1.2	2.2	3.4	4.7
Smartphone	–	–	–	0.5	2.4	7.4
Grand Total	1.9	5.7	12.7	20.0	29.0	40.7

DISPLAY - GLOBAL QD TV FORECAST

QD TV display market forecast by size (Volume)



DISPLAY: QDs EXPLODE ONTO THE SCENE



- Samsung begins to aggressively promote QD TVs from launch at CES 2015 with further promotion at CES 2016. Samsung QD TVs all contain cadmium free quantum dots
- 2015 sales of cadmium free quantum dot TVs c. 1.25m units
- Environmental legislation in Europe and China moving in favour of cadmium free quantum dots
- QD TVs are gaining ground in the rapidly growing high end 4K TV sector
- OLED TVs are still costly due to poor manufacturing yields



DOW CHEMICAL

- Announced January, 2013; Modified March, 2016
- Changed from exclusive to non-exclusive in March 2016
- Non-exclusive worldwide technology licensing agreement with royalty payments



WAH HONG

- Announced July, 2016
- Non-exclusive material supply and license agreement with upfront license fee, payment for delivery of QD resin and royalties on sales



MERCK KGaA

- Announced August, 2016
- Non-exclusive material supply and license agreement with upfront license fee, on-going royalties on sales and royalty payments on manufacturer products



Dow's new CFQD® quantum dot facility in Cheonan, South Korea

- The new Dow CFQD® quantum dot facility will enable mass production of cadmium free quantum dots to meet customers' requirements and product launch
- Capacity to support millions of large TVs
- Facility is operational and customers are currently sampling CFQD® products (resin & film) produced in Cheonan
- Partnership terms:
 - Non exclusive material supply and license agreement with upfront license fee
 - Royalty on sales
 - Payments on transfer of new generation technology from Nanoco



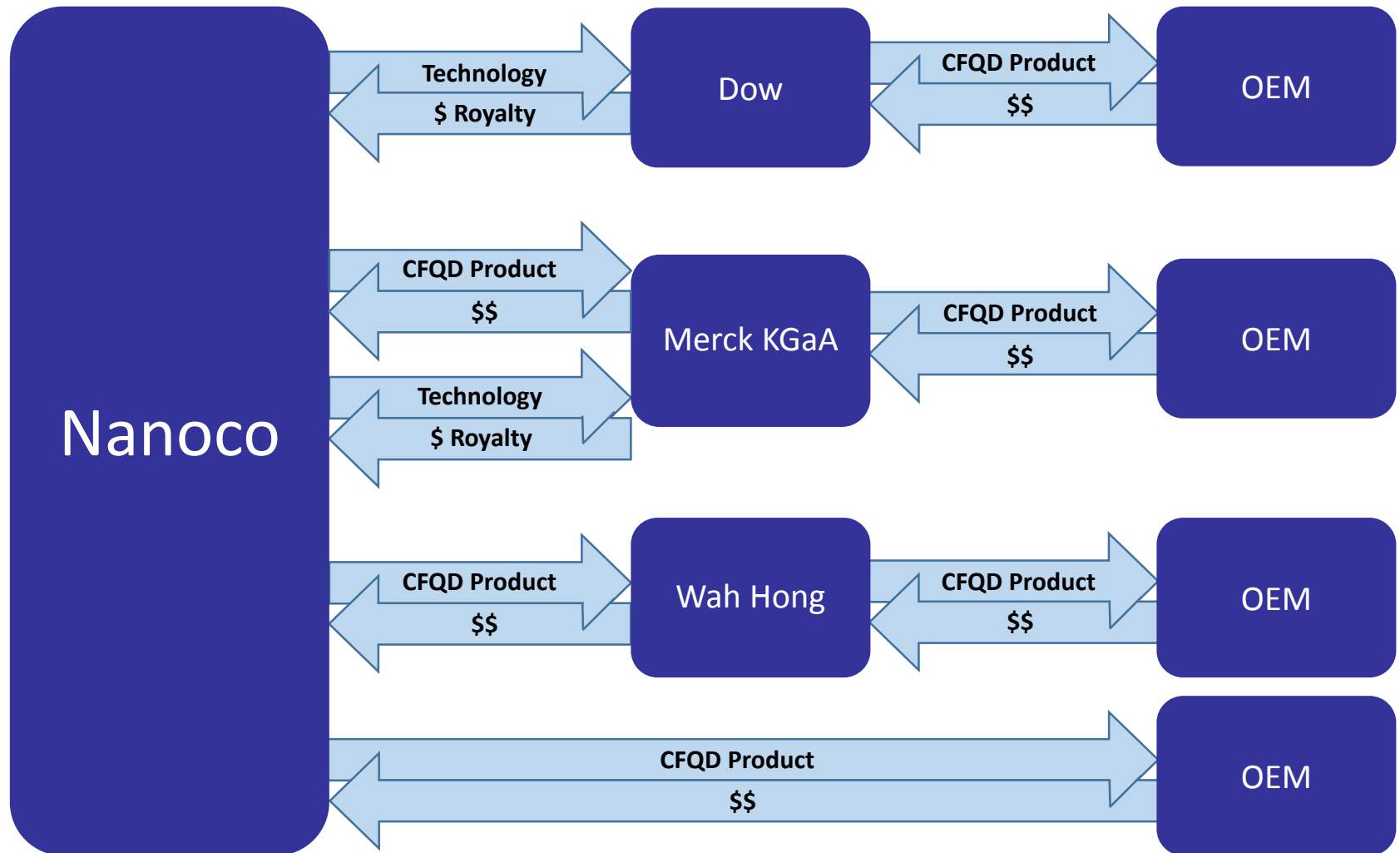
- Taiwanese manufacturer and supplier of optical film to the LCD industry
 - Large operational footprint across SE Asia with 10 existing facilities
 - Well established sales and distribution channels into the Display and Panel OEMs
-
- Partnership terms:
 - Non exclusive material supply and license agreement with upfront license fee
 - Payment for delivery of QD resin
 - Royalty on sales
 - Wah Hong will source CFQDs in resin from Nanoco's manufacturing plant in Runcorn, UK

- Merck is a player in the LCD industry with c.70% share of the liquid crystal polymer market
- Existing QD manufacturing capability and distribution channels



-
- Partnership terms:
 - Non-exclusive worldwide material supply and licensing agreement with upfront license fee
 - On-going royalty on sales
 - Initial product will be sourced from Nanoco's manufacturing plant in Runcorn, UK
 - Merck will establish its own production facility

DISPLAY - GO TO MARKET STRATEGY





- Nanoco's existing production facility is being scaled to meet expected demand from Wah Hong and Merck
 - Introduction of 24 hour shift work mid August
- Scaling will require little additional capital expenditures due to recent manufacturing process improvements
- Additional capacity will be brought on as demand dictates





Agriculture

- Specific wavelengths for specific crops, even light distribution to ensure even growth
- Market Size: \$1.9 billion by 2020*



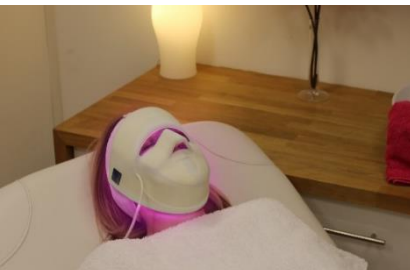
Buildings

- High CRI, cool white panel light. High quality light for office & retail purposes
- Market Size: \$700 million near term**



Signage

- Green color emission according to British Standards. Red LED shining through green film indicating that escape route is dangerous.
- Market Size: \$500 million***

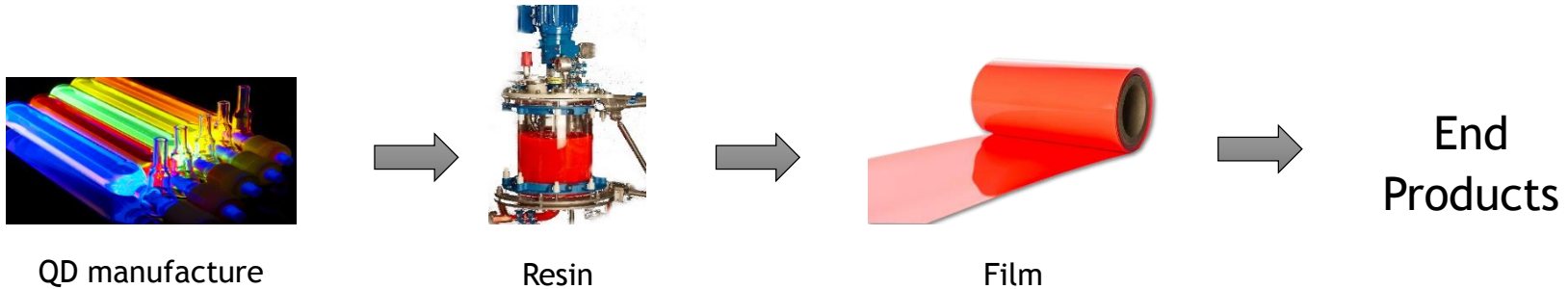


Dermatology

- Specific wavelengths to suit skin types and treatment schedules. Even light distribution for effective, even treatment
- Market Size: \$800 million****

* MarketsandMarkets 07/2015; **McKinsey & Company - Lighting the way: Perspectives on the global lighting market 08/2012; *** Strategies in Light (SIL) 02/2014; **** La Luminiere 2014

LIGHTING: ROUTES TO MARKET



Commercial Partnerships



USA Photo-therapy Company

Develop
Products With
Partners

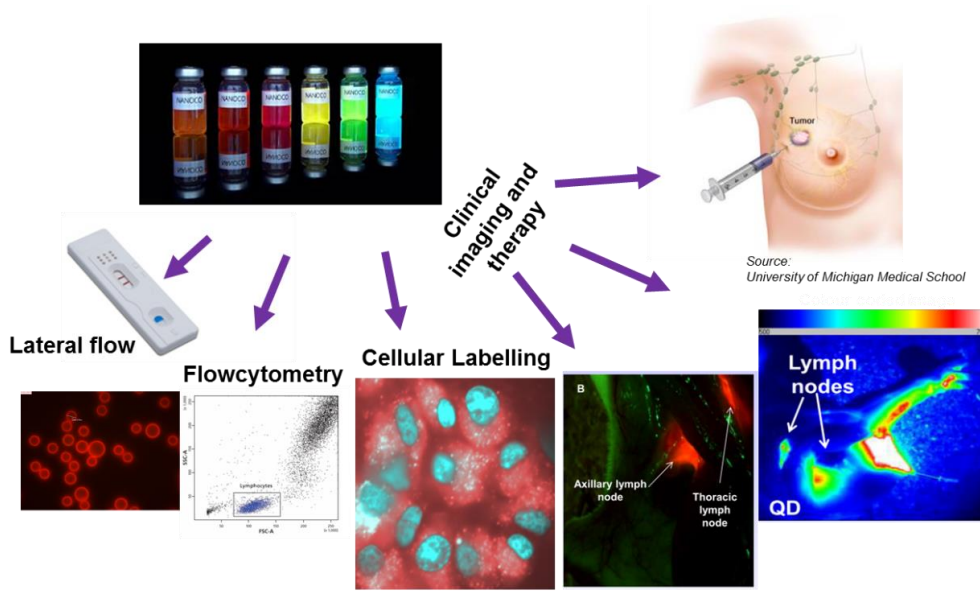
Partner Sells
Products to
End Customers

R&D Partnership

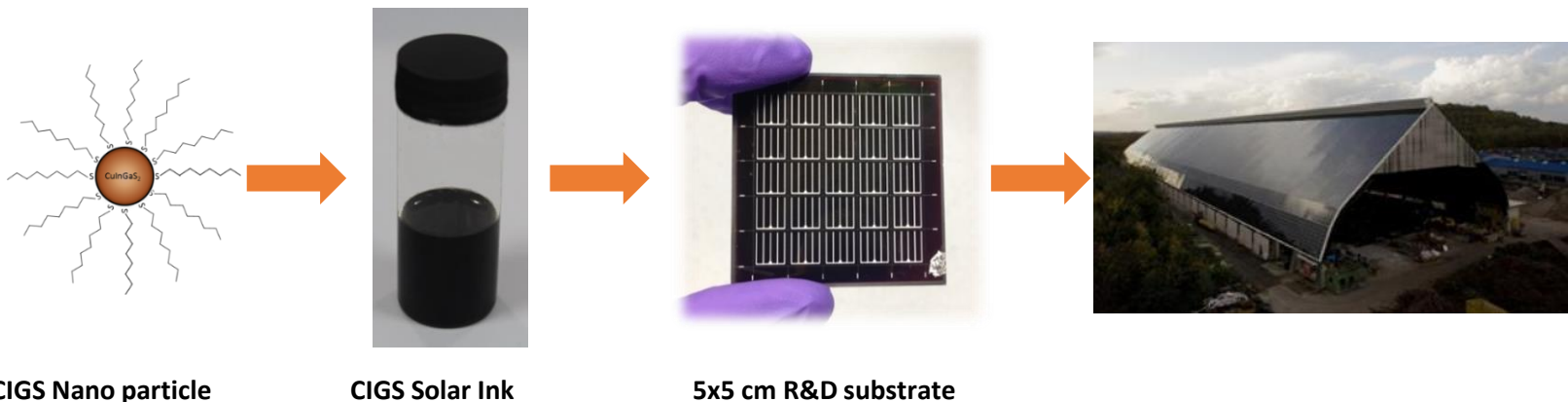


Jointly Develop
Superior LED
Performance

Bring LED
Products Using
CFQD To Market

- Cancer imaging represents a significant opportunity for Nanoco
 - World leading team in the use of QDs in life science applications
 - Nanoco technology strengths are: bio-compatibility of the formulated CFQD®s, non toxic, highly fluorescent for a longer period of time, single excitation source, photo-stable
 - Proof of principle studies in conjunction with University College London have been successful and the work is ongoing
- 
- QDs = brightness + photo stability + narrow emission + single light excitation
- Following proof of principle we will seek suitable partners
 - Initial target markets for clinical imaging are:
 - Sentinel lymph node (breast)
 - Intra operative tumour demarcation (breast, colorectal)
 - Longer-term diagnostic opportunities exist in early cancer detection for pancreatic, bladder and lung cancers

- High performance printable nanoparticle ink technology for CIGS (copper indium gallium selenide) thin film photovoltaic cells
- Low cost production technology enabling market penetration - less than \$0.33/watt for 16% active area efficiency CIGS module
- Current performance: 17% active area efficiency achieved in R&D
- Applications in the expanding building integrated PV market (BIPV)
- Compatible with construction materials such as glass, steel, flexible substrates



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APPENDICES



Dr Christopher Richards Non Executive Chairman	<ul style="list-style-type: none"> • CEO, Non-Executive chairman, Arysta LifeSciences • 20 years of increasing management roles at Syngenta • Executive chairman of Plant Health Care • Non-executive director of Dechra Pharmaceuticals plc and of Origin Enterprises plc
Dr Michael Edelman CEO	<ul style="list-style-type: none"> • Led spin-out of Nanoco from University of Manchester • GE/Bayer JV, founded www.yet2.com Europe, commercial director Colloids Ltd, Brunner Mond, ICI
Dr. Nigel Pickett Co-founder & CTO	<ul style="list-style-type: none"> • Inventor of Nanoco's key patented scale-up technology • Leading expert on semi-conducting nano-crystals • Japanese Government, US Office of Naval Research, Saint Andrews University
David Blain CFO	<ul style="list-style-type: none"> • Experienced Quoted Company CFO, Renovo, Drew Scientific, Price Waterhouse
Keith Wiggins COO	<ul style="list-style-type: none"> • 30 years senior executive experience, 23 years with The Dow Chemical Company
Robin Williams Non Executive	<ul style="list-style-type: none"> • Experienced NED and Executive, Investment banking, Xaar, Manufacturing background
Gordon Hall Non Executive	<ul style="list-style-type: none"> • Led IPO of Axis-Shield, subsequently acquired by Alere Inc. for £235m
Brendan Cummins Non Executive	<ul style="list-style-type: none"> • 40 years of industry experience mostly with Ciba Geigy, last role was CEO of Ciba and was responsible for selling Ciba to BASF • NED of US Headquartered, Ashland Inc.



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