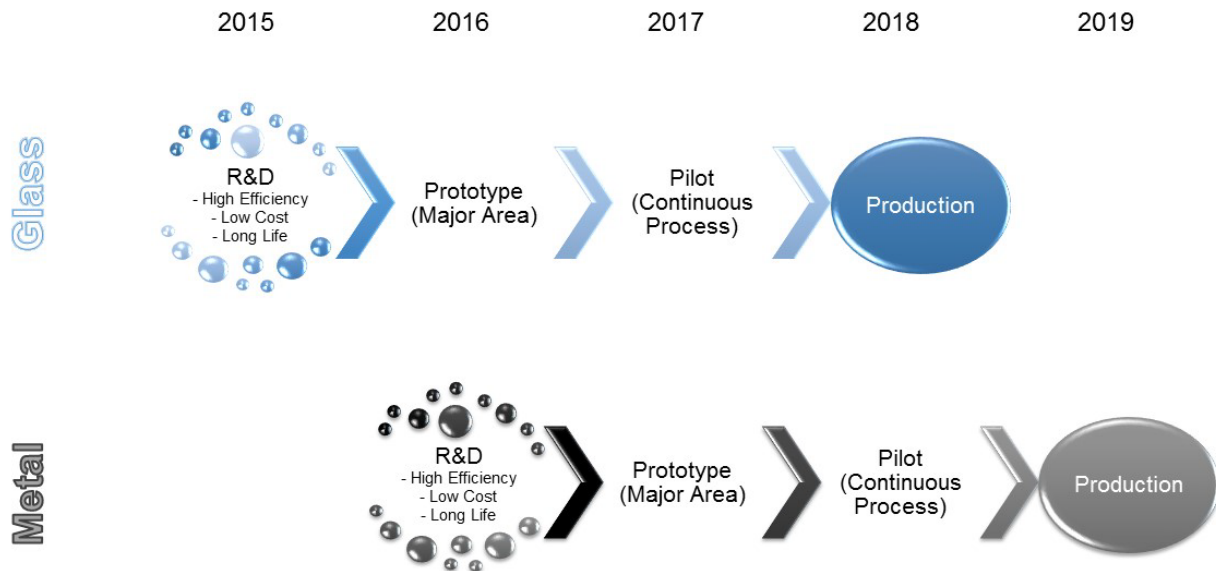


Third Quarter FY 2017 – Quarterly Report & Appendix 4C

- **Dyesol is Awarded a \$2.5M Department of Industry CRC-Project Grant**
- **Technical Advisory Board Thermal Cycling Milestone Achieved for Glass Modules**
- **Technical Advisory Board Milestone for Metals Substrates Achieved**
- **Solliance/Dyesol achieve World Record of 12.6% Conversion Efficiency for Roll-to-Roll PSC**
- **Phase 2 of VDL ETG Major Area Demonstration Prototype Project Completed**

Commercial Schedule



Corporate and Financial

It was with considerable excitement and gratitude that Dyesol was awarded a Department of Industry CRC-Project grant of \$2.5 million in February. This activity is led by Dyesol in collaboration with CSIRO and CSR Building Products and Dyesol is the major recipient (\$1.9M) of the grant funds. The project is to develop advanced coatings expertise on large area glass substrates and will feed directly into our current scale-up activity associated with the Major Area Demonstration Prototype project.

The funding agreement has been signed and a participants agreement is expected to be signed with our collaboration partners in May following final corporate approvals. This is a truly inspiring partnership bringing together Dyesol's Perovskite Solar Cell (PSC) PV technology, CSIRO's extensive R&D facilities and CSR's glass manufacturing and supply chain capability. The potential for ongoing collaboration is considerable and brings this commercialisation opportunity to the boardrooms of critical players in building materials and energy.

Dyesol is in the advanced stages of discussion with state government(s) departments to determine what assistance may be available to support the establishment of the organisational structure and infrastructure required to build and operate a purpose built, dedicated prototyping facility. While a number of potential new sites have been identified, Melbourne and co-location is a lead candidate as it has access to excellent scientific resources, a strong manufacturing culture, and very good glass handling logistics and port facilities. We are looking at this from the perspective of future pilot line development and long-term mass manufacture.

During the quarter we have also made progress on other opportunities for significant federal government financial assistance, particularly in relation to technology diligence.

In the context of the ongoing funding of its activities, Dyesol is currently evaluating the best options to minimise shareholder dilution and maximise its commercial progress. Strategic investment opportunities exist from both local and international investors.

Research and Development

Dyesol conducted an international technology retreat in late March. This was a plenary style meeting bringing together key technology leaders in our global organisation. As such, we are enjoying the benefits of co-location and collaboration with the EPFL in Switzerland and Solliance in The Netherlands, in particular. We are now immersed heavily in prototype planning, preparation and manufacture, and it is essential to focus on technical risk management and device performance optimisation. At the meeting, the preferred technology candidate for commercialisation was confirmed.

Almost weekly, module performance is improving and recently several prospects for further improvement in conversion efficiency have been identified. This has immediate prospects, but also feeds into our Technology Development Plan. We are working closely with EPFL and Cristal on these work packages and are confident of publishing positive results shortly. Importantly, Dyesol's proprietary materials and processes are at the heart of these promising results and we expect to translate them to much larger devices.

With the benefit and assurance of external CSIRO validation, Dyesol has now passed its thermal cycling milestone for 10 x 10 cm modules. The module scale performance is the building block for larger devices. Better encapsulation and sealing have helped deliver this improved result. As a reminder, thermal cycling is part of the IEC 61646/61215 accreditation standard and involves 200 cycles of temperature variation between -40 °C and +85 °C in a strictly controlled test chamber. These tests were conducted both internally at Queanbeyan and at CSIRO in Newcastle and took approximately 7 weeks to complete. This is a tough, accelerated aging test and strongly endorses the stability of our industrially focused Porous Carbon (PC) architecture, our lead candidate for commercialisation. Importantly, the PC architecture has all inorganic charge transport materials and provides high durability. The IEC Outdoor Exposure test was also passed for glass modules during the quarter.

Concurrently, Dyesol Metals Group, operating out of Manchester, U.K. and Eindhoven, The Netherlands had a pleasing quarter. The Technical Advisory Board (TAB) milestone was to achieve a minimum conversion efficiency of 9% (Maximum Power Point Tracking) for all-inorganic PSC cells on metal substrates. This was comfortably achieved. Dyesol UK will now focus on stability tests to further substantiate the promise of this novel architecture, adapted for integration into flexible (opaque) substrates, notably polymers and metals. With IMEC at Solliance achieving 12.4% conversion efficiency on similar architectures in small modules there is every confidence of matching them shortly, albeit with a stability focus.

Solliance contributed handsomely to meeting other technical goals during the quarter also. In particular, it successfully demonstrated the manufacture of 12.6% PSC cells using automated roll-to-roll (R2R) processes. Such progress will help accelerate the commercialisation of the PSC technology and is unique and proprietary to Solliance and its consortium members. VDL Enabling Technology Group (ETG) was instrumental in building this pilot line and the demonstration provides strong confidence for metals based prototyping which is scheduled to begin in the second half of the calendar year. We continue to see enormous potential for building integrated photovoltaics (BIPV) on steel substrates. The underutilisation of rooftops in the industrial property sector is a very attractive opportunity.

Manufacturing and Collaborations

At Queanbeyan headquarters, where the focus is on glass substrate prototyping, we are working towards higher performing mini-MAD panels. Significant progress has been achieved on active area improvement with better scribing tools and techniques. The final mini-MAD 450 mm x 650 mm prototypes are due for completion at the end of June with translation into larger 600 mm x 1200 mm MAD panels considered to be a manageable step, especially for retention of underlying performance characteristics.

We have completed Phase 2 (Design and Engineering) of the VDL ETG Major Area Demonstration (MAD) project. All lead suppliers of tools for prototype manufacture and testing have been identified. Some tools are off-the-shelf, while others modified to meet more exacting specifications. For non-critical tools there has also been considerable cost savings identified by using alternative, cheaper Asian suppliers. Much of this information and costing has accompanied recent confidential submissions to government.

The April 16 Turkish Referendum has been welcomed by our commercialisation partners, Nesli. The referendum outcome should provide continuity and stability to this once strong and vibrant industrial economy. Subsequent to the referendum we are confirming financial commitments at all levels of government.

Elsewhere, there have been high levels of enquiry coming from Korea and China. We are seeing this most obviously in higher demand for PSC R&D grade materials from research institutions and universities. More importantly, though, it is apparent that the silicon panel manufacturers are becoming concerned with their slim profit margins and the rising threat of next generation technology. We were in China during late March at the invitation of the Chinese government and discussions are ongoing in relation to commercialisation opportunities there.

Financials

The net operating monthly cash burn (Sec. 1.9 of the Appendix 4C) for the third quarter averaged \$988k. Net cash usage from operating and investing activities for the nine months to 31 March 2017 totalled \$4.6m including the R&D rebate.

At the end of the third quarter, cash balances totalled \$1.8m.

Since the end of the third quarter, Dyesol drew down \$750k from its CBA finance facility that allows an advanced payment of accrued R&D tax offset credits. The Company also received the first payment of \$442,000 from the CRC-P Project Agreement within the Department of Industry further increasing cash at bank.

About DYESOL LIMITED

Dyesol is a global leader in the development and commercialisation of Perovskite Solar Cell (PSC) technology – 3rd Generation photovoltaic technology that can be applied to glass, metal, polymers or cement. Dyesol manufactures and supplies high performance materials and is focussed on the successful commercialisation of PSC photovoltaics. It is a publicly listed company: Australian Securities Exchange ASX ([DYE](#)) and German Open Market ([D5I](#)). Learn more at www.dyesol.com and subscribe to our mailing list in English and German.

About PEROVSKITE SOLAR CELL TECHNOLOGY

Perovskite Solar Cell (PSC) technology is a photovoltaic (PV) technology based on applying low cost materials in a series of ultrathin layers encapsulated by protective sealants. Dyesol's technology has lower embodied energy in manufacture, produces stable electrical current, and has a strong competitive advantage in low light conditions relative to incumbent PV technologies. This technology can be directly integrated into the building envelope to achieve highly competitive building integrated photovoltaics (BIPV).

The key material layers include a hybrid organic-inorganic halide-based perovskite light absorber and nano-porous metal oxide of titanium oxide. Light striking the absorber promotes an electron into the excited state, followed by a rapid electron transfer and collection by the titania layer. Meanwhile, the remaining positive charge is transferred to the opposite electrode, thereby generating an electrical current.

- Ends -

Media & Investor Relations Contacts:

Dyesol Headquarters
Germany & Europe

Marine Andre, Investor Relations Tel: +61 (02) 6299 1592, mandre@dyesol.com
Eva Reuter, DR Reuter Investor Relations Tel: +49 177 605 8804, e.reuter@dr-reuter.eu

Appendix 4C

Quarterly report for entities subject to Listing Rule 4.7B

Name of entity

DYESOL LIMITED

ABN

92 111 723 883

Quarter ended ("current quarter")

31 MARCH 2017

Consolidated statement of cash flows

1.	Cash flows from operating activities	Current quarter \$A'000	Year to date (9 months) \$A'000
1.1	Receipts from customers	233	898
1.2	Payments for		
	(a) research and development	(933)	(2,693)
	(b) product manufacturing and operating costs	(82)	(210)
	(c) advertising and marketing	(133)	(271)
	(d) leased assets	(149)	(448)
	(e) staff costs	(1,430)	(4,017)
	(f) administration and corporate costs	(551)	(1,730)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	10	27
1.5	Interest and other costs of finance paid	(10)	(33)
1.6	Income taxes paid	-	3,845
1.7	Government grants and tax incentives	82	329
1.8	Other (provide details if material)	-	-
1.9	Net cash from / (used in) operating activities	(2,963)	(4,303)

Consolidated statement of cash flows

2.	Cash flows from investing activities	Current quarter \$A'000	Year to date (9 months) \$A'000
2.1	Payments to acquire:		
	(a) property, plant and equipment	(29)	(269)
	(b) businesses (see item 10)	-	-
	(c) investments	-	-
	(d) intellectual property	-	-
	(e) other non-current assets	-	-
2.2	Proceeds from disposal of:		
	(a) property, plant and equipment	-	-
	(b) businesses (see item 10)	-	-
	(c) investments	-	-
	(d) intellectual property	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (loans to related parties-net)	7	(21)
2.6	Net cash from / (used in) investing activities	(22)	(290)
3.	Cash flows from financing activities		
3.1	Proceeds from issues of shares	-	-
3.2	Proceeds from issue of convertible notes	-	-
3.3	Proceeds from exercise of share options	-	-
3.4	Transaction costs related to issues of shares, convertible notes or options	-	-
3.5	Proceeds from borrowings	1,787	2,063
3.6	Repayment of borrowings	(37)	(121)
3.7	Transaction costs related to loans and borrowings	(53)	(53)
3.8	Dividends paid	-	-
3.9	Other –Treasury shares purchase	-	(169)
3.10	Net cash from / (used in) financing activities	1,697	1,720

Consolidated statement of cash flows

4.	Net increase / (decrease) in cash and cash equivalents for the period	Current quarter \$A'000	Year to date (9 months) \$A'000
4.1	Cash and cash equivalents at beginning of quarter/year to date	3,057	4,561
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(2,963)	(4,303)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(22)	(290)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	1,697	1,720
4.5	Effect of movement in exchange rates on cash held	4	85
4.6	Cash and cash equivalents at end of quarter	1,773	1,773

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	1,773	3,057
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	1,773	3,057

6.	Payments to directors of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to these parties included in item 1.2	170
6.2	Aggregate amount of cash flow from loans to these parties included in item 2.3	-
6.3	Include below any explanation necessary to understand the transactions included in items 6.1 and 6.2	
	Directors and associates remuneration	170

7.	Payments to related entities of the entity and their associates	Current quarter \$A'000
7.1	Aggregate amount of payments to these parties included in item 1.2	-
7.2	Aggregate amount of cash flow from loans to these parties included in item 2.3	-
7.3	Include below any explanation necessary to understand the transactions included in items 7.1 and 7.2	

8.	Financing facilities available <i>Add notes as necessary for an understanding of the position.</i>	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
8.1	Loan facilities	2,500	1,750
8.2	Credit standby arrangements	NIL	NIL
8.3	Other (please specify)		
8.4	In January 2017, the Company established a \$2.5 million Financing Facility with the CBA that allows an advanced drawdown of up to 90% of accrued Research and Development Tax Offset credits. The eligible R&D tax offset cash rebate expected from the ATO for the financial year ending 30 June 2017 forms the primary security for the Facility. The financing facility incurs a line fee of 4% on the Facility Limit, and a Liquidity Fee of BBSY (Bank Bill Benchmark Rate for the Funding Period) plus 0.25% p.a. on amounts drawn down.		

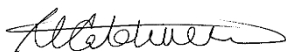
9.	Estimated cash outflows for next quarter	\$A'000
9.1	Research and development	980
9.2	Product manufacturing and operating costs	73
9.3	Advertising and marketing	85
9.4	Leased assets	148
9.5	Staff costs	1,358
9.6	Administration and corporate costs	580
9.7	Other (provide details if material)	-
9.8	Total estimated cash outflows	3,224

10.	Acquisitions and disposals of business entities (items 2.1(b) and 2.2(b) above)	Acquisitions	Disposals
10.1	Name of entity	-	-
10.2	Place of incorporation or registration	-	-
10.3	Consideration for acquisition or disposal	-	-
10.4	Total net assets	-	-
10.5	Nature of business	-	-

Compliance statement

1. This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
2. This statement does give a true and fair view of the matters disclosed.

Sign here:



Date: 28 April 2017

Print name:

Richard Caldwell, *Managing Director*

Notes

1. The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity that wishes to disclose additional information is encouraged to do so, in a note or notes included in or attached to this report.
2. If this quarterly report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standard applies to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.