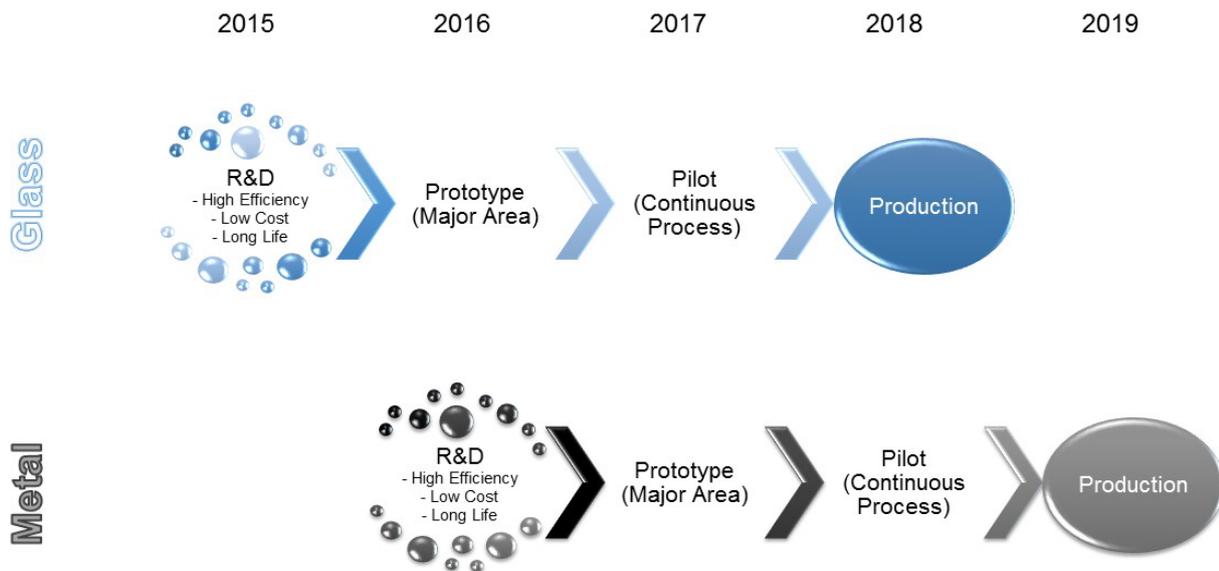


VDL ETG Appointed as Major Area Demo Expert

Queanbeyan, 5 February 2016 – Dyesol Limited, global leader in the development and commercialisation of Perovskite Solar Cells (PSC), is delighted to announce that it has appointed VDL Enabling Technologies Group (VDL ETG) to assist in the development of a Major Area Demonstration Prototype.



The 1st Phase contract involves a specialist engineering study resulting in the preparation of a Feasibility & Functional Specification for Perovskite Major Area Demonstrator development. This phase will be conducted over a 4 month period commencing immediately. It is expected that on the successful completion of the initial study this will be followed by a 2nd Phase, Design and Engineering and 3rd Phase, Realisation. The 3 phase project is expected to be completed in the 1st half of 2017.

Dyesol considers the manufacture of a Major Area Demonstration Prototype as a critical step in the successful scale-up and commercialisation of its revolutionary 3rd generation Perovskite Solar Cell PV (PSC PV) technology. The prototypes are expected to be of a size and performance comparable with existing PV panels. However, their projected cost and versatility of application are expected to be superior. This will ultimately translate into a lower Levelised Cost of Electricity (LCOE), an essential attribute for the successful displacement of traditional or fossil-fuel sources of electricity.

The Major Area Demonstration Prototype project is being supervised by Mr Sung Il Lee, Head of Glass, and the prototypes will be used for accreditation, demonstration, validation and product showcasing. The commercialisation schedule above indicates that the prototyping is expected to lead to the establishment of a pilot line and ultimately mass manufacture. Subject to commercial contract, VDL ETG and its associate companies have formed the intention to work with Dyesol over the longer term and at the various stages of the scale-up of production. The VDL Group is excited by the potential scope and scale of the technology.

Richard Caldwell, Managing Director, remarked:

“The appointment of VDL is the result of a rigorous, world-wide and uncompromising search to engage with a first-class engineering partner. VDL has the expertise to assist in the delivery of a large scale

prototype which we believe will help establish Perovskite Solar Cell PV as a highly competitive solar technology. We first were introduced to VDL through our engagement with Solliance and have been impressed with their engineering process skills and knowledge. The phasing out of fossil fuels as the principal source of electricity is not a matter of if, but when.”

The terms and conditions of the contract are commercial-in-confidence.

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.

About VDL Enabling Technologies Group

VDL Enabling Technologies Group (VDL ETG) is headquartered in Eindhoven, The Netherlands and is a member of the wider VDL Group. It is a tier-one contract manufacturing partner, operating world-wide. Its customers are leading high-tech Original Equipment Manufacturing companies and users of advanced production lines. VDL ETG has built its track record in the following markets: semiconductor capital equipment, thin film deposition equipment for photovoltaic solar systems, analytical instruments, medical systems, aerospace & defense parts and systems and mechanisation projects. Its services include prototyping, the prime activity for VDL ETG Research, customer specific factory automation projects, the focus of VDL ETG Projects and series manufacturing of 'high-mix, low-volume' products, and daily business in all other VDL ETG locations. Please see more at: www.vdletg.com

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