

## Dyesol Joins Solliance as an Industrial Partner

**Queanbeyan, 17 June 2015** – Dyesol Limited (ASX: DYE), world leader in the industrialisation of Perovskite Solar Cell (PSC) technology, and Solliance are pleased to announce they have signed an agreement formalising Dyesol's entry as an Industrial Partner to Solliance, a world-class solar energy consortium situated in Eindhoven, The Netherlands.

Solliance is a partnership of major Belgian, Dutch and German companies, research institutes and universities working in thin film photovoltaic solar energy. Solliance provides state of the art laboratories and pilot production lines which are jointly used for dedicated research programmes. The three year agreement gives Dyesol access to the world's best processing equipment and expertise suited to the commercialisation of its revolutionary Perovskite Solar Cell (PSC) technology on steel.

Solliance's capability in the roll-to-roll processing of flexible PV enabled substrates, together with Dyesol's expertise in PSC processing, device design and materials will enable both parties to accelerate the readiness of a commercially viable PSC based steel product for supply to the very substantial global cladding and roofing markets where attractive margins will be achievable. This partnership will create the industry's most technically capable and commercially focused effort to roll out this next generation technology.

The agreement gives Dyesol access to the foreground and background IP of its Solliance R&D partners related to the R&D programme, while protecting Dyesol's background IP.

"We are excited that Dyesol has joined our Solliance Perovskite research programme. This commitment of Dyesol is a confirmation of the excellence, know-how and infrastructure that Solliance combines via its research partners" says Huib van den Heuvel, Director Solliance.

"Utilisation of Solliance's laboratories and pilot production lines will enable Dyesol to reduce its steel related capital expenditure and increase internal focus on its core PSC technology development", says Richard Caldwell, Dyesol's Managing Director. "The Solliance activities will be supervised from Dyesol UK and will complement Dyesol's participation in its other collaborations, including SPECIFIC where it will continue to benefit from close collaboration".

For more information on Solliance please see [www.solliance.eu](http://www.solliance.eu)

### About Dyesol Limited

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

### About Dye and Perovskite Solar Cell Technology

Solid State Dye Solar Cell (ssDSC) and Perovskite Solar Cell (PSC) technology are photovoltaic technologies 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 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.

#### **About Solliance**

Solliance is a partnership of R&D organizations from the Netherlands, Belgium and Germany working in thin film photovoltaic solar energy (TFPV). Solliance research partners are: ECN, imec, TNO, Holst Centre, TU/e, Forschungszentrum Jülich, University Hasselt and Delft University of Technology. In order to strengthen the region's position as a world player in PV, Solliance is creating the required synergy by consolidating and coordinating the activities of 250 researchers in industry, at research institutes and universities.

Various state-of-the-art laboratories and pilot production lines are jointly used for dedicated research programs which are executed in close cooperation with the solar business community. Solliance offers participation in its research programs and opens up its lab facilities to new entrants, either from industry or in research. On the basis of clear Intellectual Property (IP) agreements, each industrial partner can participate in this research effort, or alternatively, hire equipment and experts to further develop its own technology.

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