

## Dyesol Wins Substantial Horizon 2020 Grant

**Queanbeyan, 14 August 2015** – Dyesol UK Limited, a 100% subsidiary of Dyesol Limited (ASX:DYE), is delighted to announce that it is a key member of a European consortium that has secured a substantial Horizon 2020 grant of approximately €3 million from the European Commission. Dyesol's share of the grant is €650,000 or approximately A\$1 million.

The name of the winning project is GOTSolar and, in addition to Dyesol UK, comprises 1. University of Porto, Portugal, 2. EPFL, Switzerland, 3. Efacec, Portugal, 4. Institute of Physical Chemistry of the Polish Academy of Sciences in Warsaw, Poland, 5. National Center for Scientific Research, France and 6. University of Ulm, Germany.

The project has a clear focus on the scale-up of Perovskite Solar Cells (PSC) and, in particular, addresses technical challenges associated with sealing glass and steel hybrid substrate based solar panels. This project will adopt the laser assisted, glass frit sealing technology that Dyesol has acquired by arrangement from Efacec and will seek to adapt it for the purposes of making long-life steel roofing products.

Dyesol has a long-term distribution option with Tata Steel UK and recently announced its membership of Solliance in The Netherlands where it will develop closely related technology. This latest funding step takes Dyesol closer to fulfilling its ambition of being the first 3<sup>rd</sup> generation solar company globally to exploit the exciting commercial opportunity of achieving building integrated photovoltaics on steel roofing.

### About Horizon 2020

Horizon 2020 is the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020) – in addition to the private investment that this money will attract. It promises more breakthroughs, discoveries and world-firsts by taking great ideas from the lab to the market.

### About DYESOL LIMITED

Dyesol is a renewable energy supplier and leader in 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 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](http://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.

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