



DYESOL ACHIEVES FOURTH DEFENCE CONTRACT MILESTONE

Dyesol and wholly owned subsidiary, Sustainable Technologies International, are ahead of the original development schedule in the demonstration of DSC products on flexible, lightweight materials.

Defence Project Milestones Met

In February 2006, Sustainable Technologies International, subsidiary of Dyesol, signed a \$2 million contract to demonstrate flexible solar panels based on Dye Solar Cell technology to provide portable and sustainable energy. In June, STI achieved the first major milestone, the Design Review. Over the recent months the company has met the next two milestones. The Australian Defence Science and Technology Organisation (DSTO) has today approved achievement of the Milestone 4 following the project meeting held this month in Queanbeyan. The project is now proceeding to the next phase to demonstrate the efficiency and durability of the flexible solar cells.

The project is funded under the Defence Capability and Technology Demonstrator (CTD) program, administered by DSTO. Flexible solar panels hold promise for applications including powering cooling, communications, and sensors, either as light weight mobile powerpacks, or integrated into field structures.

Related products and technology developed under this project include:

- universal test station for remote and laboratory testing of a wide range of solar cells, devices and panels, and
- ADAPTS, a completely novel automatic data analysis, processing and display software package. ADAPTS provides solar cell data from a range of separate experiments in an easy to use graphical format. This software has been developed in association with our specialist subcontractor NR Pty Limited.

Shortly, Dyesol will be marketing these products through the e-commerce site to the global solar market.

The Project Director, Dr Gavin Tulloch, Chairman of STI, said that the designs being developed have already been instrumental in Dyesol's success in the recently announced project with Corus Group aimed at the multi-billion dollar metal roofing and cladding sector, and that the continuing success in this defence project bodes very well for the rapid growth of the Dyesol group of companies.

Dyesol acquired STI in August this year.

Further information: Mrs Sylvia Tulloch (Managing Director Dyesol) 02 6299 1250

BACKGROUND INFORMATION for DYESOL ASX Release

The Technology – DYE SOLAR CELLS

DSC technology can best be described as 'artificial photosynthesis' using an electrolyte, a layer of titania (a pigment used in white paints and tooth paste) and ruthenium dye sandwiched between glass. Light striking the dye excites electrons which are absorbed by the titania to become an electric current many times stronger than that found in natural photosynthesis in plants. Compared to conventional silicon based photovoltaic technology, Dyesol's technology has lower cost and embodied energy in manufacture, it produces electricity more efficiently even in low light conditions and can be directly incorporated into buildings by replacing conventional glass panels rather than taking up roof or extra land area.

The Company – DYESOL Limited

Dyesol is located in Queanbeyan NSW (near Canberra) and in August 2005 was listed on the Australian Stock Exchange (ASX Code 'DYE'). Dyesol manufactures and supplies a range of Dye Solar Cell products comprising equipment, chemicals, materials, components and related services to researchers and manufacturers of DSC. The Company is playing a key role in taking this third generation solar technology out of the laboratory and into the community.

More detail about the company and the technology can be found at www.dyesol.com