

ASX Release | ClearVue Technologies Limited (ASX: CPV)

Murdoch Greenhouse: Construction Commenced on the World-First Clear Solar Glass Greenhouse

Highlights:

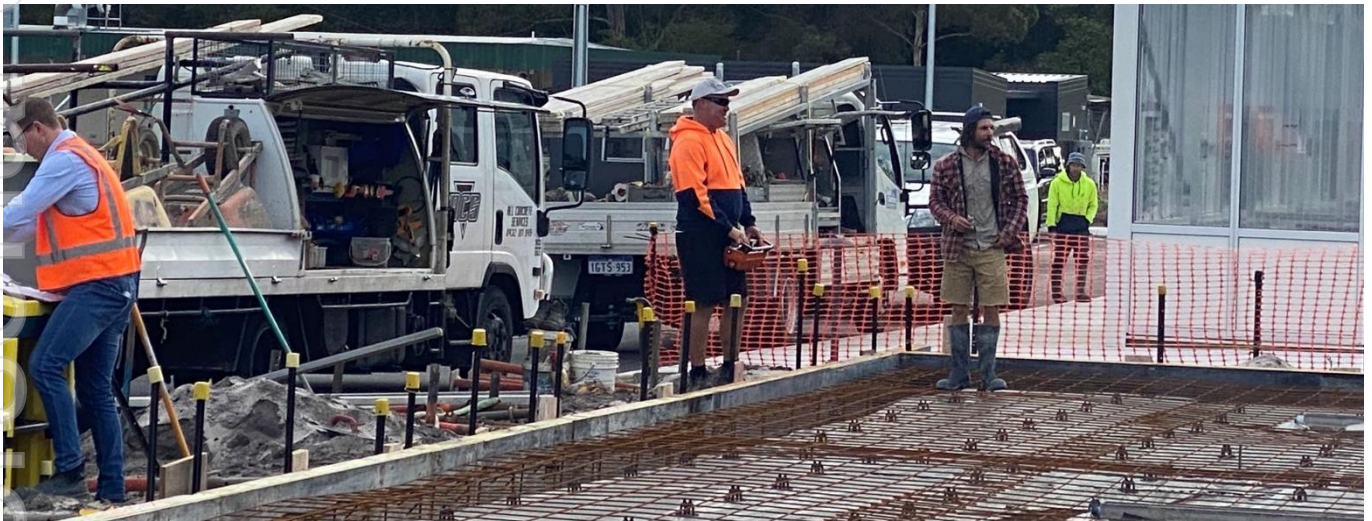
- Construction of ClearVue's CRC-P grant funded greenhouse on Murdoch University land has commenced with pouring of the concrete slab
- Company's first commercial-scale technology demonstration using the ClearVue technology in a protected cropping agriculture setting
- Main construction to be completed by December with finishing and commissioning in early 2021
- Murdoch University to conduct trials in the greenhouse to evaluate its effectiveness in plant growth and ClearVue with ECU to collect data on energy efficiency and energy generation
- Completed Greenhouse and University trial results to facilitate monetization of ClearVue Technology in protected cropping markets around world

16 November 2020: Smart building materials company ClearVue Technologies Limited (ASX:CPV) (*ClearVue* or the *Company*) is pleased to provide the following update on progress with the CRC-P partially funded greenhouse being built at Murdoch University in Western Australia.

Further to the Company's recent [September 2020 Quarterly Activities Report](#), its [Annual Report](#) and [March 2020 Quarterly Activities Report](#) the Company is pleased to confirm that works have now commenced on site at Murdoch University for construction of the greenhouse with the pouring of the concrete slab today.



Ken Jagger (Chief Executive Officer of ClearVue) and Ryan Winston (Managing Director of Blanc Construction) at ClearVue greenhouse, Murdoch.



Photographs of commencement of slab pour for ClearVue greenhouse at Murdoch.

The Company expects that the greenhouse will lead to greater market awareness of the ClearVue product and technology globally - more specifically it will increase awareness of the role that the ClearVue product and technology can play in protected-cropping agriculture – a key target for the Company’s sales efforts alongside high-rise commercial architecture.

As previously announced, the ClearVue greenhouse is being built pursuant to its AUD\$1.6m CRC-P grant at Murdoch University’s South Street Campus in Perth, Western Australia, in an area established by Murdoch University for installation of a number of other greenhouses as part of a new agricultural research activities precinct.

The Company advises that an Agreement for Lease has been signed with Murdoch for access to the land upon which the greenhouse is currently being built.

The ClearVue Greenhouse is being built immediately next to two other recently completed polycarbonate ‘PC1’ and ‘PC2’ type research greenhouses built within the University’s new agricultural precinct. The precinct is being established by Murdoch in conjunction with third parties such as Curtin University, the Grains Research and Development Corporation and the Western Australian Agriculture Authority (for more information see [ASX Announcement of 30 August 2018](#)).

The ClearVue greenhouse design replicates the format of the immediately adjacent PC1 greenhouse and comprises four glazed sections and an enclosed preparation room at the rear that is not glazed. The four sections within the greenhouse include one first section which is using normal glazing as a *control* for the CRC-P funded experiment to measure the performance of the ClearVue glazing against traditionally glazed greenhousing - both the expected reduced energy load due to the efficiency performance of the ClearVue product, as well as the power generation performance as an offset to the energy demands of the greenhouse.

The remaining three sections of the greenhouse comprise three different iterations of the ClearVue PV solar glazing technology. The second section being the currently available product, the third and fourth being variants of the currently available product that the Company anticipates may perform better in the greenhousing application.



Photograph of adjacent PC1 greenhouse.

In addition to this performance testing, and following construction of the ClearVue greenhouse, ClearVue will then engage with Murdoch University's Professor Chengdao Li PhD and his team under a collaborative research agreement. Professor Li is a world leading molecular geneticist and Director of the Western Barley Genetics Alliance.

Prof. Li will design, test and conduct suitable plant science trials in the ClearVue greenhouse with a control trial in the control section of the greenhouse. The purpose of this testing will be to evaluate the effectiveness of the ClearVue glazing for use in plant growth which the company expects will be better than traditional glazing and other greenhousing materials due the highly controlled environment that will be created in the greenhouse by using the ClearVue product. The Company expects to see first results from the trials in mid-2021.

The Company expects that major construction works will be completed by the end of the 2020 calendar year with finalisation of works and then commissioning of the greenhouse to be undertaken during January and February of 2021.

The performance testing will commence from commissioning, and the Plant science trials to be conducted in the greenhouse are expected to start as soon as possible thereafter but subject to alignment with growing seasons and cycles. At this stage, a winter crop cycle trial is planned to commence in or around March or April of 2021.

Commenting on the progress with the ClearVue greenhouse at Murdoch, ClearVue Chief Executive Officer Ken Jagger has said:

“The commencement of construction of the ClearVue greenhouse at Murdoch University is a major milestone for the Company.

We expect the constructed greenhouse to lead to greater market awareness of our technology and product globally with a key focus of the company on key territories in Europe where protected cropping agriculture is a key part of a secure food supply chain such as in Spain, the Netherlands and Israel.

The constructed Greenhouse together with the results from the Murdoch University studies will provide a strong lead into a potentially lucrative opportunity to further monetize ClearVue's technology and products.

We look forward to updating the market as the project progresses.”

Authorised by the Board of ClearVue.

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About ClearVue Technologies Limited

ClearVue Technologies Limited (ASX: CPV) is an Australian technology company that operates in the Building Integrated Photovoltaic (BPIV) sector which involves the integration of solar technology into building surfaces, specifically glass and building façades, to provide renewable energy. ClearVue has developed advanced glass technology that aims to preserve glass transparency to maintain building aesthetics whilst generating electricity.

ClearVue's electricity generating glazing technology is strategically positioned to compliment and make more compelling, the increased use of energy-efficient windows now being regulated in response to global climate change and energy efficiency goals.

Solar PV cells are incorporated around the edges of an Insulated Glass Unit (IGU) used in windows and the lamination interlayer between the glass in the IGU incorporates ClearVue's patented proprietary nano and micro particles, as well as its spectrally selective coating on the rear external surface of the IGU.

ClearVue's window technology has application for use in the building and construction and agricultural industries (amongst others).

ClearVue has worked closely with leading experts from the Electron Science Research Institute, Edith Cowan University (ECU) in Perth, Western Australia to develop the technology.

To learn more please visit: www.clearvuepv.com

Forward Looking Statements

Statements contained in this release, particularly those regarding possible or assumed future performance, revenue, costs, dividends, production levels or rates, prices or potential growth of ClearVue Technologies Limited, are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors.