



ASX Release | ClearVue Technologies Limited (ASX: CPV)

CPV Announces Breakthrough in its IGU panel size – now 2.3m x 1.2m

Highlights

- ClearVue confirms panel size breakthrough increasing size to a 2.76 sqm panel – 2.3m x 1.2m
- New size significantly expands sales opportunities for the ClearVue PV product

18 September 2019: Smart building materials company ClearVue Technologies Limited (ASX:CPV) ("**ClearVue**" or "**the Company**") is pleased to announce that it is now able to produce a panel size of up to 2.3 m (2300 mm) high by 1.2 m (1200 mm) wide, or a 2.76 sqm panel – nearly double the largest previous panel size.

The new panel size significantly expands the sales opportunities for the Company to integrate the product into projects where larger panel sizes are required including for aesthetic purposes giving architects and façade engineers complete design flexibility for their projects.



The triple-glazed low-e power generating panel continues to offer the same high-transparency, energy efficiency and acoustic control benefits of the company's earlier smaller sized panels with the first production-quality prototype producing 52.3w peak of power under standard testing conditions.

The new floor-height sized panel has had power and performance testing completed at Shanghai Solar Energy Research Centre, a certified industrial testing laboratory in Shanghai, China, using standard test equipment and testing procedures. The first large-scale prototype has since been re-tested by researchers at Edith Cowan University (ECU) during mid-September 2019 in outdoor natural sunlight illumination conditions in Perth, Western Australia. ECU's measurement results have confirmed the validity of the characterisation results received from China, and the test measurements/results made in the Shanghai laboratories.

Additionally, the engineering and fabrication techniques for increasing the electric power output ratings in the new 2.3m x 1.2m sized panel have already been researched by ECU and ClearVue with the expectation that the next batch of factory-fabricated window products of this size will produce in excess of 60w peak power per panel. This next batch is currently being readied for production.

As with earlier versions of the ClearVue PV IGU product, the design has been created to ensure that ClearVue's licensed manufacturers can easily integrate the production of this larger panel size into their production lines without the need for additional capital expenditure.



Images of validation testing of the new large format panel at Edith Cowan University, WA.

Commenting on the new panel sizing, ClearVue Executive Chairman, Victor Rosenberg, has said:

“ClearVue’s ability to create larger floor-height sized power-generating IGU and window panels has been a major goal that the Company has been working towards over the last 12 months – the larger panel is a major breakthrough for the Company and significantly opens up our opportunities to engage with architects and engineers seeking an uninterrupted view through the windows they are installing into new-build projects.

The new size fits the requirements that many architects require for a floor-to-ceiling visual effect with most high-rise floors in the 2.3 to 3m range. Where the floor height is at the higher end of that range a smaller lowlight or highlight panel can easily be deployed with this larger panel and ideally this can be used to integrate the smart façade functionality such as automated ventilation that the Company is exploring in conjunction with Arup as was announced by the Company in July.

We are looking forward to commencing production of the next batch of large format IGUs in the coming 6 to 8 weeks and then to updating the market on the test results but more importantly we are looking forward to being able to confirm commercial availability thereafter.”

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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.

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.