

ASX RELEASE | CLEARVUE TECHNOLOGIES LIMITED | (ASX:CPV | OTCQX:CVUEF)

Trial Shows ClearVue Solar Façade Delivers 2.6 Year Payback

Hong Kong Government EMSD Report excerpt:

"ClearVue's technology presents a paradigm shift in the way glass will be used in building and construction; ...it can transform a glass building into a solar PV array."

HIGHLIGHTS:

- **Fast Payback Periods:** Hong Kong Electrical and Mechanical Services Department (EMSD) trial installation results validate a 4.6-year payback period before subsidies, and when the HK Government Feed-in Tariff (FIT) is applied the **payback period** shrinks to **2.6 years**¹.
- **Ready to Deploy:** ClearVue's full range of solar façade products are **fully certified** and commercially available for order and project deployment immediately.
- **Noteworthy Support for Path to Net Zero:** Study results applied across a 40-storey building in 15 cities with a 50% window-to-wall ratio (WWR) show the combined benefits of the integrated **ClearVue Solar Façade can offset 74-125% of a building's annual energy requirements** (see Figure C3 below).
- **ClearVue Hong Kong Subsidiary & Joint Venture:** ClearVue is launching a Hong Kong subsidiary in addition to the R & D Joint Venture which will be established with LandVac.
- **Key Collaboration & Superior Thermal Performance:** The trial **featured the Company's Solar Vacuum-Insulated Glazing (VIG)** achieving superior thermal insulation of **7.74°C lower internal surface temperature** during peak heat compared to existing windows. The results were achieved in partnership with LandVac and demonstrated seamless integration of ClearVue technology with other advanced glazing solutions.
- **Fire Classification, Suitable for High Rise Buildings:** In 2024, TÜV SÜD tests concluded ClearVue Solar Vision Glass, Cladding and Spandrel meet high performance classification criteria (Subject to glass composition).

16 July 2025 – Perth, Australia – In a comprehensive report resulting from a trial installation at Hong Kong EMSD headquarters, it was concluded that **ClearVue Technologies Limited (ASX:CPV) (ClearVue or the Company)** solar façade solutions can deliver payback in less than 3 years by dramatically contributing to decreased building energy requirements. Applying real-world trial results to a 15-city assessment of a sample building, the ClearVue Integrated Solar Façade could deliver as much as 74-125% of the building's energy requirements (see Figure C3 below).

Commenting on the successful trial, ClearVue interim CEO, Mr. Douglas Hunt said:

"These remarkable independently captured results demonstrate the significant impact ClearVue Solar VIG can have on driving a sustainable built environment. The short payback periods make deploying our solutions a logical choice. Combined with our existing fire testing results, the successful completion of this trial with the Hong Kong Government's EMSD is a major validation of our technology. The results are outstanding, proving that our solar glazing and further the full integrated solar façade can deliver significant energy savings and generate power, directly addressing the twin needs of sustainable building design and energy efficiency."

"The Hong Kong market is a key target for ClearVue, and these results provide a powerful, government-verified case study for architects, developers, and building owners in the region. Our collaboration with LandVac on this project also showcases our ability to create best-in-class products by combining our unique PV technology with other leading innovations."

"We look forward to leveraging these fantastic results to drive commercial opportunities in Hong Kong and other key markets across Asia."

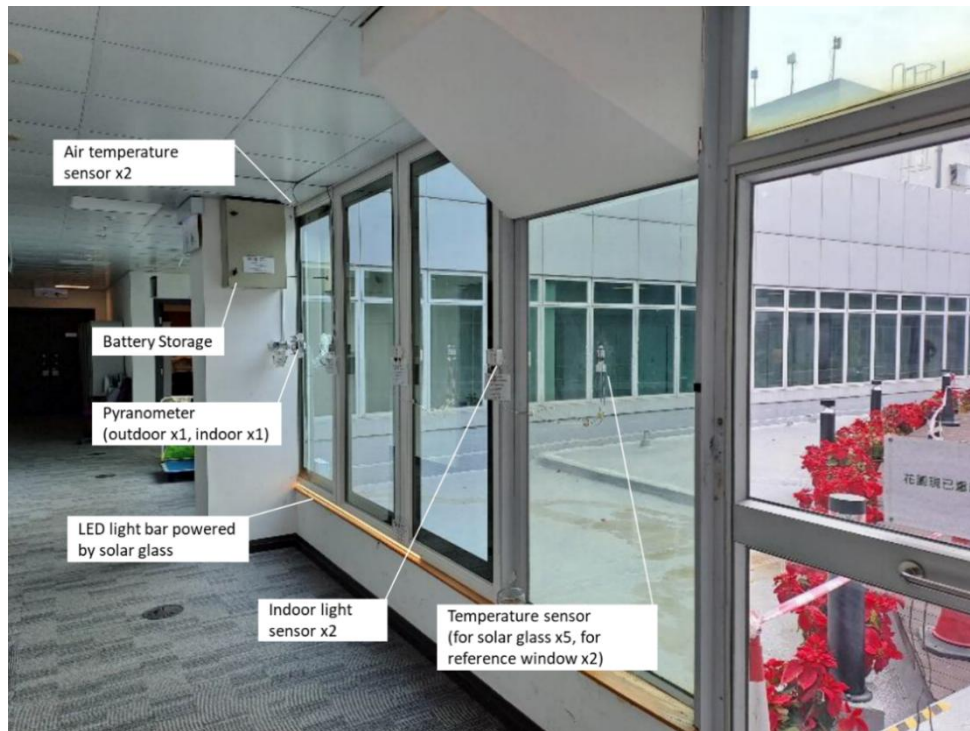
The EMSD trial, which began in July 2024, tested the performance of ClearVue's Vision Glass photovoltaic (PV) glazing technology in a real-world environment, measuring the energy generation, thermal performance, and impact on building energy efficiency. The ClearVue Solar VIGs will be monitored for another 12 months and then remain installed permanently at EMSD headquarters.

The outstanding thermal performance was achieved using specialised Insulated Glass Units (IGU's) that incorporated vacuum-insulation technology from **LandVac** (refer to the Company's ASX announcement released on 9 July 2025). This collaborative approach resulted in a product with a market-leading U-Value of 0.58, demonstrating ClearVue's ability to integrate its technology with other advanced glazing solutions.

With fire tests completed including TÜV SÜD for IEC 61730-2 and UL 790 for roof application and TÜV SÜD EN 13501-1 for vertical wall application, ClearVue products are classified as A2-s1, d0 rating making the products appropriate for deployment on buildings over 18m high and in high-risk environments like hospitals, schools, and hotels. ClearVue solutions have limited combustibility and do not significantly contribute to the formation or spread of fire (A2 rating). Further, ClearVue solutions performed at the highest levels due to minimal smoke propagation (s1 rating) and no flaming droplets or debris falling from the products while burning (d0 rating). ClearVue products also score well in AS1530.3 radiant heat fire testing. Fire management technologies are some of ClearVue's most valuable intellectual property and are a significant part of our research and development.

The Company will now use the final report and official certification to accelerate its commercialisation activities. The final report is available via the following link to the EMSD website: <https://shorturl.at/QCkp5>.

This announcement is authorised by the Board of ClearVue Technologies Limited.



ClearVue Solar Vacuum Insulated Vision Glass installed at Hong Kong Electrical and Mechanical Services Department (EMSD) headquarters.

| Location | Glazing BIPV Annual kWh | Spandrel BIPV Annual kWh | Roof PV Annual kWh | Total PV Generation kWh | Annual Building Consumption kWh | Fraction of Annual use by PV |
|----------------------|-------------------------|--------------------------|--------------------|-------------------------|---------------------------------|------------------------------|
| Canberra, Australia | 299,333 | 2,056,069 | 156,131 | 2,511,533 | 2,443,867 | 103% |
| Sydney, Australia | 300,559 | 2,052,622 | 153,747 | 2,506,928 | 2,285,425 | 110% |
| Darwin, Australia | 317,786 | 2,166,693 | 176,497 | 2,660,976 | 3,267,640 | 81% |
| Brisbane, Australia | 311,425 | 2,118,059 | 156,427 | 2,585,911 | 2,382,064 | 109% |
| Adelaide, Australia | 293,666 | 2,014,653 | 160,272 | 2,468,591 | 2,220,039 | 111% |
| Hobart, Australia | 269,690 | 1,856,682 | 131,183 | 2,257,555 | 2,263,128 | 100% |
| Melbourne, Australia | 276,585 | 1,902,031 | 142,801 | 2,321,417 | 2,357,079 | 98% |
| Perth, Australia | 314,458 | 2,150,382 | 174,094 | 2,638,934 | 2,292,969 | 115% |
| Toronto, Canada | 237,829 | 1,655,222 | 129,075 | 2,022,126 | 2,721,675 | 74% |
| Hong Kong, China | 284,280 | 1,930,044 | 144,476 | 2,358,800 | 2,909,612 | 81% |
| Seoul, South Korea | 277,512 | 1,907,575 | 137,061 | 2,322,148 | 2,846,145 | 82% |
| Singapore, Singapore | 297,440 | 2,017,858 | 143,976 | 2,459,274 | 3,064,570 | 80% |
| London, UK | 209,740 | 1,447,619 | 97,119 | 1,754,478 | 2,315,855 | 76% |
| Los Angeles, US | 328,106 | 2,246,868 | 183,025 | 2,757,999 | 2,212,630 | 125% |
| New York, US | 266,553 | 1,837,980 | 134,488 | 2,239,021 | 2,671,987 | 84% |

Figure C3: Table showing Annual PV Generation by City and BIPV Type in the 40 Storey Archetype with 50% WWR

ABOUT CLEARVUE TECHNOLOGIES LIMITED

ClearVue Technologies Limited (ASX: CPV; OTCX: CVUEF) is an Australian technology company that integrates solar technology into building façade and rooftop surfaces to provide renewable energy generation and offset the operational carbon footprint of buildings. The Company's advanced, patented glass technology preserves glass transparency maintaining building aesthetics while generating energy.

ClearVue has extended solar energy-generation to vision glass, cladding, spandrel, balustrade, and skylight solutions. These solutions can offset operational energy requirements significantly contributing to the net zero building.

ClearVue's integrated solar façade is revolutionizing the way buildings are designed, constructed, and renovated. Experience how building façades will become a major contributing factor to reducing operational carbon by visiting ClearVue at www.clearvuepv.com. Follow ClearVue on: [Facebook](#) | [Instagram](#) | [LinkedIn](#) | [YouTube](#).

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¹The payback period of 2.6 years was calculated by substituting the standard electricity rate of \$HK1.20 used in the EMSD report with the Hong Kong solar FiT rate of \$HK2.50 for arrays of the size represented by the 40-storey archetype. When using the \$HK1.20 electricity rate for the BIPV generation modelled in the report, the incremental payback of using BIPV is 4.6 years. Details of the FiT can be found at the following link:

<https://www.clp.com.hk/en/feed-in-tariff-rate-adjustment>