

ASX RELEASE | CLEARVUE TECHNOLOGIES LIMITED  
(ASX:CPV | OTC:CVUEF)ClearVue and LuxWall to collaborate on 'Zero Window'<sup>™</sup>

## HIGHLIGHTS

- ClearVue has partnered with leading U.S. vacuum insulated glazing supplier LuxWall Inc. to develop a combined prototype to deliver window technology focused on getting to net-zero
- The 'Zero Window'<sup>™</sup> is expected to be the most energy-efficient and energy-generating window on the market, appealing to progressive architects as well as helping the construction sector meet sustainability targets
- The Zero Window prototype will be demonstrated at the AIA24 Conference on Architecture and Design in Washington DC, USA in June 2024.

**17 January 2024:** Smart building materials company ClearVue Technologies Limited (ASX:CPV OTC:CVUEF) (*ClearVue* or the *Company*) and LuxWall Inc. of Michigan, USA (*LuxWall*) have signed a new Collaboration Agreement (*Agreement*) to develop and commercialise the world's first window combining ClearVue's photovoltaic solar glazing and LuxWall's advanced vacuum insulated glazing (VIG) products and technologies into one product focussed on assisting the construction sector to get to net zero energy consumption (the *Zero Window*).

ClearVue's technology helps generate electricity from clear glass, offering a significant 22.8% reduction in solar heat gain as recently demonstrated by independent testing conducted by Singapore's peak building authority. LuxWall's technology involves the use of vacuum insulation to create highly energy efficient single and double pane glazing modules, cutting heating costs by up to 45%.

The partnership combines these technologies to produce a new double-glazed format photovoltaic vacuum insulated glazing unit (or '*PV VIGU*'). It is expected to thermally outperform all existing double-glazed low emissivity solutions while also generating power from the glass, thus creating the world's most efficient glazing solution to assist with achieving net-zero construction goals. The final glazing product will boast unique properties such as optical transparency, lowest heat gain, and the highest energy generation currently possible for clear solar glass.

Zero Windows<sup>™</sup> will see high demand from sustainability-conscious architects and developers looking for ways to reduce carbon in buildings, achieve top LEED certifications, and cut energy use in the built environment.

A prototype of the Zero Window<sup>™</sup> will be demonstrated at the American Institute of Architects Conference on Architecture and Design in Washington DC in June 2024 (AIA24)<sup>1</sup> at the 8G Solutions stand.

<sup>1</sup> see: <https://www.aia.org/community/events/aia-conference-architecture-design-2024>

Commenting on the new partnership, Martin Deil, Global CEO of ClearVue, said:

*"This collaboration represents a pivotal moment in the fight against climate change for the construction sector – one of the biggest contributors to greenhouse gas emissions globally.*

*"We are excited to partner with LuxWall on this innovative product. Vacuum insulated windows provide the best thermal performance products and minimize energy use. ClearVue technology can enhance that thermal performance even further and generate electricity at the same time, providing clean energy on site and helping meet sustainability targets.*

*"By combining our respective technologies, we create a solution that revolutionizes the way buildings are designed and constructed. The Zero Window will be a net-zero focused window, reducing operational carbon through both thermal insulation and power generation. The market for double-glazed vacuum insulated glass in North America is expected to grow fast in the next five years propelled by changes in legislation. Partnering with glazing industry innovators like LuxWall is a strategic way for ClearVue to enter the North American façade market.*

*"We look forward to demonstrating the benefits of the prototype at the AIA Conference in June 2024."*

Scott Thomsen, CEO of LuxWall Inc, said:

*"ClearVue Technologies and LuxWall share a common vision to transform windows and the building envelope. Our companies will collaborate to develop a window that significantly reduces building emissions, rewriting the rules of energy efficiency and power generation from the building envelope.*

*"Imagine a window that insulates as well as a wall and actively generates clean power while preserving clarity and natural daylighting. The PV VIGU or Zero Window™ will empower architects and builders to design a sustainable future.*

*"We look forward to the first demonstration of the Zero Window in partnership with Chuck Mowrey and his team at 8G Solutions during the AIA Conference this year."*

Whilst the Company cannot currently predict the value the collaboration will deliver in terms of revenue, the Company considers that the collaboration is significant in terms of the expected commercial opportunity the collaboration will bring to both companies in the United States market (in particular) – including in light of the incentives offered through the US *Inflation Reduction Act* and other incentives in that market that are available to customers of ClearVue and Luxwall both independently, and collectively.

**Authorised by the Board of ClearVue Technologies Limited.**

**FOR FURTHER INFORMATION, PLEASE CONTACT:**

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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 complement and make more compelling the increased use of energy-efficient windows in response to global climate change and energy efficiency goals.

Solar PV cells are integrated around the edges of an Insulated Glass Unit (IGU) used in windows and the lamination interlayer between the glass 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 an application for use in the building, construction, and agricultural industries (among others). ClearVue has worked closely with leading experts from the Electron Science Research Institute, Edith Cowan University in Perth, Western Australia to develop the technology.

To learn more please visit: [www.clearvuepv.com](http://www.clearvuepv.com)

### ABOUT LUXWALL INC



LuxWall designs, develops, and manufactures next generation high-performance, energy efficient vacuum-insulating glass that acts as transparent insulation, providing thermal insulating values comparable to wall insulation.

LuxWall Inc. was founded in 2016 and is headquartered in Ypsilanti, Michigan, United States. Backed by leading climate-tech investors Breakthrough Energy, 2150, Khosla Ventures, Baruch Future Ventures, and Prelude Ventures, LuxWall is on a mission to reduce energy use and carbon emissions across the entire built environment.

To learn more please visit: [www.luxwall.com](http://www.luxwall.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.