



ASX Release | ClearVue Technologies Limited (ASX: CPV)

ClearVue signs MOU with art glass supplier Zurreal

Highlights

- ClearVue signs MOU with art glass specialist Zurreal
- ClearVue to integrate Zurreal's imaging with its clear solar PV glass for architectural glass applications and long-term outdoor and indoor advertising applications
- ClearVue and Zurreal to enter into formal license arrangements for ClearVue to become supplier of Zurreal's artwork in combination with ClearVue's solar PV glazing and for Zurreal to have limited rights to distribute ClearVue solar PV glazing when combined with its artwork

1 November 2018: Smart building material company ClearVue Technologies Limited (ASX:CPV) ("**ClearVue**" or "**the Company**") has entered into a Memorandum of Understanding (MOU), with Limastar Pty Ltd (ABN 12 076 588 219) trading as Zurreal ("**Zurreal**").

Zurreal has over a number of years developed a proprietary high-resolution imaging technique for the application of high-definition artwork, images and advertising onto surfaces including glass.

ClearVue and Zurreal have been working together over the past two years to demonstrate a version of the ClearVue solar PV window and integrated glazing unit (IGU) that incorporates high resolution artwork and imagery to create a version of the ClearVue products for use in high-value applications such as permanent inactive indoor and outdoor advertising and for custom designed building facades and curtain wall spandrels. ClearVue have called this add-on to its product mix *ArtPV™*

ArtPV™ will combine the best features of the Zurreal artwork with the clear power generating features of ClearVue's solar windows to create grid-independent power generating art glass displays and inactive advertising panels.

Commenting on the signing of the MOU, ClearVue Executive Chairman Victor Rosenberg said:

"The MOU between ClearVue and Zurreal represents the first of many niche collaboration opportunities where ClearVue will be able to demonstrate the versatility of the ClearVue technology and products - in this case by combining our solar glass solution with Zurreal's very high definition artwork application process. ClearVue and Zurreal are both looking forward to seeing how architects and designers will use a combined solar glass and artwork product for specific architectural needs or for fixed inactive advertising display opportunities and for other outdoor and indoor applications."

ClearVue anticipates being able to implement the ArtPV™ product in different ways, including:

- As building façades - for example:
 - in between floors (spandrels) in a high-rise building as part of a glass curtain wall solution;
 - as whole sections or sides of buildings to provide visual interest to the structure and/or provide a more shaded solution for sections that might otherwise employ tinting to reduce visible light;
 - façade art can take the form of high-definition textures, custom artwork, branding and logos, advertising or promotional content;
- Integrated into the built environment including for use on street furniture such as bus and tram shelters, train stations and highway/road barriers as self-powered lighted see-through art and advertising;
- As indoor or outdoor backlit advertising panels, signage and billboards;
- In applications where stained-glass windows (whether backlit or not) might be used including as artwork or for religious icons and artwork, or for schools and other public buildings; and
- Anywhere else that high-definition art glass is desired that needs to be backlit or the application otherwise requires localised grid-independent power.

The ArtPV product concept was demonstrated to the market at recent trade shows - firstly Fenestration 2018 in Port Douglas, Queensland and then at Glasstec in Dusseldorf, Germany - to gauge customer interest and industry feedback, which was positive.



Images: Zurreal artworks being demonstrated with ClearVue solar PV IGU and skylight at Fenestration 2018, Port Douglas.

The MOU, amongst other things, provides the basis upon which ClearVue and Zurreal will work together including that:

1. The Parties *exclusively* collaborate in regard to development of ClearVue solar window and solar curtain wall designs incorporating high definition images created using the Zurreal proprietary imaging methods for building facades and spandrels and indoor and outdoor advertising applications;

2. Zurreal agrees to enter into an exclusive license agreement (or other exclusive agreement) with ClearVue to supply Zurreal's artwork for specific applications and projects (the full terms of which are to be agreed as soon as reasonably practical but only after Zurreal has satisfied ClearVue as to the viability of its method of imaging for use with ClearVue's solar PV windows and IGUs and subject to ClearVue being satisfied as to market demand for the ArtPV products;
3. Under this arrangement, ClearVue to become exclusive global distributor (including through its own licensed manufacturers and distributor network) for ClearVue products employing the Zurreal imaging method including for the ArtPV products;
4. Zurreal to become a non-exclusive distributor of ClearVue products and technology for supply for ClearVue's solar PV glazing solutions but only when sold in a combined product format that integrates the Zurreal artwork (and excluding for building facades which will be exclusive to ClearVue and its licensees); and
5. An agreed referral process and pricing structure for both parties when selling the other parties' products and any profit split arrangement for advertising applications that employ the Zurreal artwork in combination with the ClearVue solar PV glazing solutions.

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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 and agricultural industries, specifically glass and building surfaces, 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 spectral 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

About Zurreal

Limastar Pty Ltd has operated since 1996 and has traded as Zurreal since 2015. The founder of Zurreal, Mr Eric Seifried commenced development of the high definition imaging technique now used by Zurreal approximately 17 years ago after coming across a version of the technique being used in a different industry. After a number of years of R&D Mr Seifried was able to perfect conversion of the imaging method for making special films for use in the decorative glass industry and for use in plastics for the signage and advertising industries. Mr Seifried's method remains protected as a trade secret. Prior to starting Zurreal, Mr Seifried owned and operated Montage Graphix with a partner – this business operated for more than 20 years employing around 40 people. During part of this period Montage employed Mr Seifried's proprietary imaging method to produce major art glass projects and installations throughout the World including at the Smithsonian in the US (in conjunction with AGC Glass) amongst many others. Many of these installations remain in place today. See: www.zurreal.com.au for more information on Zurreal.

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.