

14 October 2019

## **Roots and ClearVue to collaborate on greenhouse opportunities**

- **Roots Sustainable Agricultural Technologies (ASX: ROO) and ClearVue Technologies (ASX: CPV) sign collaboration agreement to target growing greenhouse market.**
- **Complementary technologies to be demonstrated within a specially designed greenhouse where ClearVue's innovative energy producing clear glass panels will be used to power Roots' RZTO technology.**
- **The collaboration will explore opportunities to leverage sales and business networks and increase operating synergies.**

**Roots Sustainable Agricultural Technologies Limited (ASX: ROO, Roots or Company) and ClearVue Technologies Ltd (ASX: CPV)** have signed a collaboration agreement to explore complementary sales opportunities within the growing greenhouse sector, including the construction of a world-first demonstration greenhouse in Israel.

Under the agreement, the two parties will jointly pursue sales opportunities with new and existing clients, leveraging each other's industry-leading technologies to offer a unique combined offering within the greenhouse market.

Additionally, the parties intend to build a demonstration greenhouse utilising ClearVue's energy generating PV solar glazing glass panels to explore powering Roots' Root Zone Temperature Optimisation (RZTO) and Irrigation by Condensation (IBC) technologies.

ClearVue's PV clear glass solar glazing solution for greenhouses utilises multi-glazed IGU panels to stabilise the air environment as well as generate enough power to operate Roots' RZTO technology.

The self-sustaining greenhouse, which is intended to be off-grid, will be designed, developed and constructed at Roots' research hub in Israel and will be available to both parties for customer demonstrations and display purposes. Roots will utilise the greenhouse year-round to conduct RZTO and IBC testing on various crops and plants.

Construction on the demonstration greenhouse will commence as soon as possible and is expected to be completed within 12 months.

Roots CEO, Sharon Devir said, "Roots' RZTO technology significantly reduces energy requirements by maintaining optimal root temperatures for crops and plants, rather than heating or cooling the air. We see substantial opportunities for our greenhouse customers to utilise ClearVue's solar products to power their RZTO and IBC systems off-grid.

"The collaboration will enable our customers to access a fully integrated, self-sustaining solution that improves crop yield and quality, lowers operational costs and improves profitability for growers."

ClearVue Executive Chairman, Victor Rosenberg said, "We are extremely proud to be working with Roots who are leaders in providing sustainable agriculture solutions to producers globally. Roots are a natural fit with our solar PV energy efficient glazing solution, and we are looking forward to working with them on the greenhouse demonstration and providing further benefits to our agriculture clients.

"An added benefit for ClearVue is that this collaboration represents our first foray into Israel, which we would also seek to leverage as a way to generate interest in our core sales focus area of high-rise architecture."

In addition to the greenhouse demonstrator, Roots and ClearVue have agreed to work together where possible to deploy Roots' RTZO technology into all, or a part of, the CRC-P grant supported greenhouse that ClearVue is currently progressing at Murdoch University in Western Australia (as previously announced by ClearVue).



*Roots' RTZO technology in field trials.*

## ENDS

**For further information, please contact:**

### **ClearVue Technologies Limited**

Victor Rosenberg  
Executive Chairman  
ClearVue Technologies Limited  
E: [victor@clearvuepv.com](mailto:victor@clearvuepv.com)  
P: +61 8 9482 0500

### **ClearVue Media Enquiries**

David Tasker  
Director  
Chapter One Advisors  
E: [dtasker@chapteroneadvisors.com.au](mailto:dtasker@chapteroneadvisors.com.au)  
M: +61 433 112 936

### **Roots Investor Enquiries**

Justin Foord  
Market Eye  
E: [justin.foord@marketeye.com.au](mailto:justin.foord@marketeye.com.au)  
P: +61 2 8097 1200

### **Roots Media Enquiries**

Joseph Watts  
Market Eye  
E: [joseph.watts@marketeye.com.au](mailto:joseph.watts@marketeye.com.au)  
P: +61 3 9591 8921

### **Roots Corporate Enquiries**

EverBlu Capital

E: [info@everblucapital.com](mailto:info@everblucapital.com)

P: +61 2 8249 0000

### **About Roots Sustainable Agricultural Technologies Ltd:**

Israeli-based, Roots Sustainable Agricultural Technologies Ltd. is developing and commercialising disruptive, modular, cutting-edge technologies to address critical problems faced by agriculture today, including plant climate management and the shortage of water for irrigation.

Roots has developed proprietary know-how and patents to optimise performance, lower installation costs, and reduce energy consumption to bring maximum benefit to farmers through their two-in-one root zone heating and cooling technology and off the grid irrigation by condensation technology.

Roots is a graduate company of the Office of the Israeli Chief Scientist Technological Incubator program.

More information [www.Rootssat.com](http://www.Rootssat.com)

### **About ClearVue Technologies Limited**

ClearVue Technologies Limited (ASX: CPV) is an Australian technology company that operates in the Building Integrated Photovoltaic (BIPV) 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](http://www.clearvuepv.com)