

**08 July 2020**

### **Root Zone Temperature Optimisation (RZTO) installation completed with HYDRO GROW**

- **Third order of RZTO technology from the same hydroponic customer completed in Israel**
- **Highlights increased demand ROO is witnessing for RZTO solutions in Israel – Company’s supply chain remains robust and uninterrupted despite COVID-19 restrictions**
- **New business pipeline continues to build – increased demand witnessed in Israel and other key markets**

**Roots Sustainable Agricultural Technologies Limited (ASX: ROO, Roots or Company)** is pleased to advise that it has completed the installation of its proprietary Root Zone Temperature Optimisation (RZTO) technology with leading hydroponic vegetable grower HYDRO GROW, located in Bnei Atarot, Israel. The installation is the third coil based, ground source heat exchange order by the same farmer, expanding the coverage of the RZTO for additional hydroponic greenhouse recently built by the farmer.

HYDRO GROW is an established and respected supplier of fresh vegetables to Israel’s premier restaurants and broader hospitality sector. The RZTO technology will protect crops from heat waves during Israel’s summer period (or cold waves during the winter) and provides HYDRO GROW with a number of commercial benefits, including enhanced production security and lower operating costs. The system maintains an optimal nutrient temperatures via the ground source heat exchange coils. The only energy used to operate the system is for a circulation pump, (in contrast to air heating and cooling commonly used which rely on expensive equipment and large operating expenses).

The third order and completion of the installation highlights HYDRO GROW’s satisfaction with the two previous installed systems, and points to the increased demand ROO is witnessing for its technology in Israel. Roots has an established in country supply chain, which remains uninterrupted despite the effects of COVID-19.

The Company’s new business pipeline continues to build favourably, particularly within Israel as COVID-19 restrictions are being eased. Roots will use the recent installation and repeat purchases with HYDRO GROW to further ramp up demand with potential customers.



**Images:** Installation taking place at HYDRO GROW facilities in Bnei Atarot, Israel



**Roots Executive Chairman and CEO, Boaz Wachtel said:** *“Roots continues to witness an increased demand for its technology, particularly as food security becomes front and centre. Well-established fabrication and a strong supply chain means that we can bring our product to market quickly, and this latest installation is evidence of that.*

*“Our sales pipeline continues to grow. We have adapted our business development and sales initiatives accordingly and this is allowing the Company to pursue opportunities across the globe. Further details on commercial progress and R&D initiatives will follow in the coming months.”*



**Image:** Completed installation at HYDRO GROW hydroponic greenhouse



# ROOTS

Sustainable Agricultural  
Technologies Ltd.



**Images:** Installation activities at HYDRO GROW



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**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's climate management and the shortage of water for irrigation.

Roots has developed proprietary know-how and patents to optimise performance 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 Root Zone Temperature Optimization (RZTO)**

Root Zone Temperature Optimization (RZTO) optimises plant physiology for increased growth, productivity and quality by stabilising the plant's root zone temperature. Leveraging the principle of Ground Source Heat Exchange (GSHE), ROOTS installs a closed-loop system of pipes. The lower part is installed at a depth where soil temperature is stable and not affected by weather extremes, and the upper part in the target crop's root zone just below the soil surface. Water flowing through the lower pipes is charged by the soil's stable temperature. The heated (or cooled) water is pumped through the pipes installed in the root zone, where the heat (or cold) is discharged.

This significantly increases yields, increases growing cycle planting options, improves quality, mitigates extreme heat and cold stress while significantly reducing energy consumption by stabilising and optimising the ROOTS zone temperature.



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**Forward Looking statements**

This announcement contains forward-looking statements with respect to ROOTS and its respective operations, strategy, investments, financial performance and condition. These statements generally can be identified by use of forward-looking words such as "may", "will", "expect", "estimate", "anticipate", "intends", "believe" or "continue" or the negative thereof or similar variations.

The actual results and performance of ROOTS could differ materially from those expressed or implied by such statements. Such statements are qualified in their entirety by the inherent risks and uncertainties surrounding future expectations. Some important factors that could cause actual results to differ materially from expectations include, among other things, general economic and market factors, competition and government regulation.

The cautionary statements qualify all forward-looking statements attributable to ROOTS and persons acting on its behalf. Unless otherwise stated, all forward-looking statements speak only as of the date of this announcement and ROOTS has no obligation to up-date such statements, except to the extent required by applicable laws.

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