



Ministry of Economy and Industry
Foreign Trade Administration

WATER TECHNOLOGIES IN ISRAEL – VIRTUAL TOUR

CATALOGUE OF THE COMPANIES

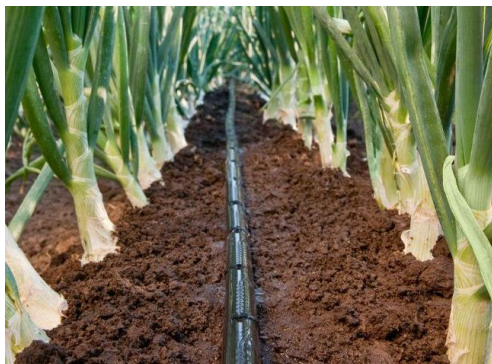


Foreign Trade Administration | Your Connection to Israeli Innovation

RIVULIS



Rivulis is a global micro and drip irrigation solutions innovator offering the broadest portfolio in the market featuring the industry's most recognized product brands and a comprehensive range of services.



Established in 1966, Rivulis is headquartered in Israel with a strong global presence, including 15 manufacturing facilities, 2,000 employees, 3 R&D Centers and multiple Design Centers. We work with over 3,300 partners worldwide to provide full turnkey micro irrigation solutions for any, and all, grower needs from the individual grower to large corporate plantations in the agriculture, horticulture, landscape and mining industries.

CONTACT: email: Krzysztof.Tulecki@rivulis.com <https://rivulis.com/>

ROOTS



Roots addresses plant climate-management and irrigation issues. The company specializes in two core technologies: root zone temperature optimization, which significantly increases yield, improves quality, saves energy, and mitigates extreme heat/cold stress; and irrigation by condensation, which provides water for irrigation from the moisture in the air and soil.

Roots leverages the principle of ground-source heat exchange by installing a closed-loop system of pipes and a circulation pump. The lower heat-charging component is placed at depth, and the upper heat-discharging device is located in the target crop's root zone. By heating the root zone during the winter and cooling it during the summer, the root-zone temperature is maintained at a relatively stable, favorable range year-round.



CONTACT: email: sharon@rootssat.com

www.rootssat.com

SATURAS



Saturas develops a miniature sensor for assessing stem water potential. The sensor is implemented in an automatic system that optimizes irrigation, reduces water consumption, and increases fruit production and quality



Embedded in tree trunks, vines, and plants, the sensors provide accurate information based on statistical analysis. The Saturas system consists of miniature implanted sensors, in-orchard communications and transponders, and a control unit.

CONTACT: email: avi@saturas-ag.com

www.saturas-ag.com

VIRIDIX



Viridix aims to reinvent soil sensing through the development of a scalable, affordable solution that has been recognized by top agriculture scientists and corporate entities.

The company's revolutionary soil moisture sensor measures the water potential available to the roots of the plant, which is considered the gold standard of measurement in fertigation. The sensor itself acts as a real plant and can be mounted on different platforms, with no electricity or network needed.



CONTACT: email: tal@viridix.com/

<https://www.viridix.com/>



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FOR MORE INFORMATION CONTACT
US:

warsaw@israeltrade.gov.il



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