



ROBOTIC PERCEPTION

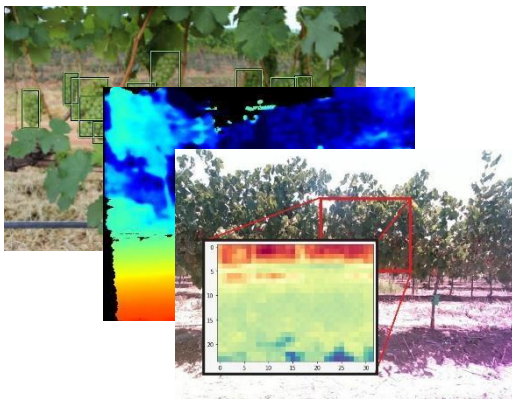
Israeli precision farming startup looking for international cooperation

CONCEPT

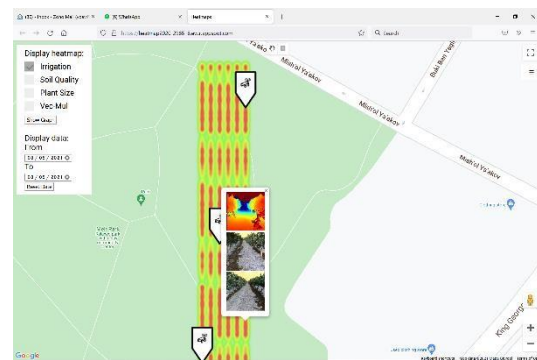
We are developing an electric, autonomous vehicle that provides spraying and mowing services for vineyards. The robotic vehicle is equipped with sensors and cameras that provide rich and accurate data collection.

In addition, the vehicle will perform both on-board and cloud analysis of crops, providing the farmer with deep insights into the state of their farm.

Sensors include high-res cameras, infrared sensors, temperature and humidity sensors, and more.



Images and analysis are displayed on a web-based interface including heatmaps of crop conditions at sub-meter precision.



Farmers will receive indication for water stress, viral infections, and powdery / downy mildew infections. In addition, the vehicle will perform Leaf Area Index (LAI), and Crop Water Stress Index (CWSI) measurements.

ROBOTIC PERCEPTION IS LOOKING FOR COOPERATION

with vineyards, research institutes and other partners to collect data in New Zealand between September – March. This cooperation involves collection of crop images using a sensor kit that we provide.