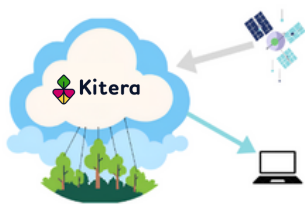


THE CHALLENGE

Climate change challenges the efficacy of traditional tree allometry, creating a need for **granular, real-time ground truth** data to better understand trees' stress response & carbon uptake.

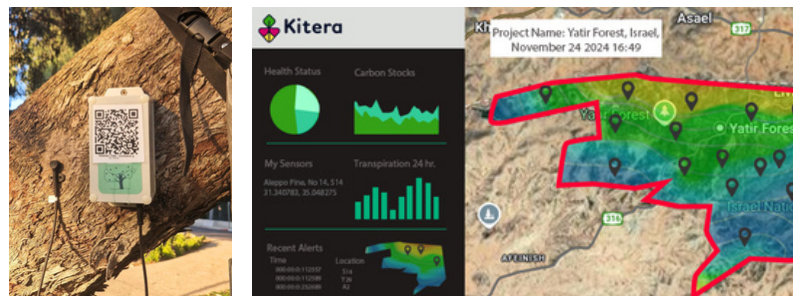
THE SOLUTION

Kitera offers an end-to-end precision tree monitoring solution. Based on proprietary algorithms from the Weizmann Institute of Science, our IoT sensors capture high-resolution physiological data (e.g., water flux) from tree trunks while our AI platform combines this ground-truth data with environmental information to provide unprecedented, real-time tree health and carbon assimilation monitoring.



VALUE

- 1. Physiological Phenotyping:** Our system offers continuous, real-time physiological profiles of individual plants. We enable the early detection of phenotypic responses to stress (biotic and abiotic) & micro-climatic conditions thus providing key insights for data-driven selection processes.
- 2. Agronomic Practices:** We capture the complex interplay between plants and their environment on an hourly basis, providing performance data to develop effective agronomic practices and interventions. This includes optimized irrigation and guided nutrient management.
- 3. Carbon Sequestration:** Our system uniquely provides continuous carbon measurements (above and below ground) for validating sustainable land management practices (agroforestry, IFM).



The Kitera Solution

PILOT WITH US!

Discover how our platform can enrich your research insights

Benny Gil, Founder & CEO
+972 54-490-2449
contact@kiteraio.com

OUR TEAM



Dr. Benny Gil,
Founder & CEO
Expert in plant technology,
seasoned high tech executive



Prof. Tamir Klein,
Inventor, advisor
Published novel research on
trees, the catalyst for Kitera



Ariella Charny, COO
Carbon market expert,
climate tech founder



Dr. Ron Seligmann, CTO
Expert in tree physiology,
electronics and data analysis