



Proactive Forest Management Solutions

Real-time, field-deployed physiological
telemetry for tree performance insights

October 2025

Forests Are Struggling

Emerging Threats



Climate Change: Frequent, severe, unpredictable weather events that require new tools

Incomplete Tools



Legacy Practices: Expensive, intermittent



Remote Sensing: Late-stage, canopy level

Kitera: Early Diagnostics for Trees

Kitera provides the **real-time insights** you need to make informed decisions about your forest

We identify stress **before visible signs** like wilting & leaf drop appear



Drought



Pests



Diseases



Fires



We empower forestry professionals with a platform to monitor **health** and **carbon** sequestration using real-time ground truth data

up to

35%

Reduction in Tree
Mortality

up to

20%

Operational Cost
Savings

A New Benchmark in Performance Monitoring



Proactive Approach: *Real-time* stress detection before problems deteriorate



Actionable Insights: Decision support tool for efficient resource allocation *at scale*



Quality Data: Robust, auditable *ground truth* data from within the tree



Autonomous: Easy to install and *autonomous* operation, even off-grid



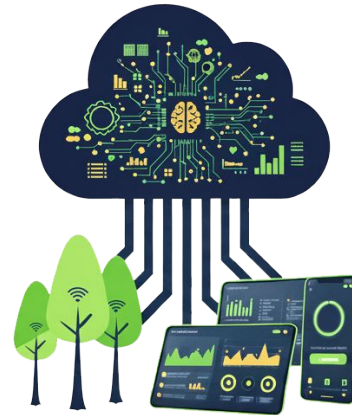
Kitera's Tree Monitoring Solution

Data Acquisition



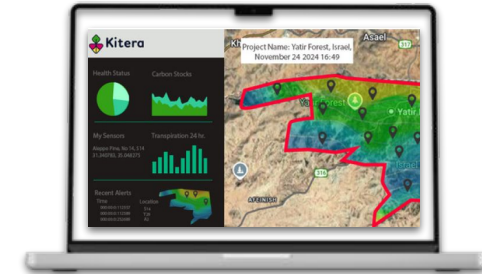
- Tree-installed multi-sensor devices
- External spatial data from satellites & weather stations

Cloud-Based Analytics



- Data enrichment
- Scientific algorithms & AI-based analysis

Dashboard & Smart Alerts



- Early stress detection
- Irrigation and water status
- Inventory & yield management
- Physiological phenotyping
- Carbon accounting

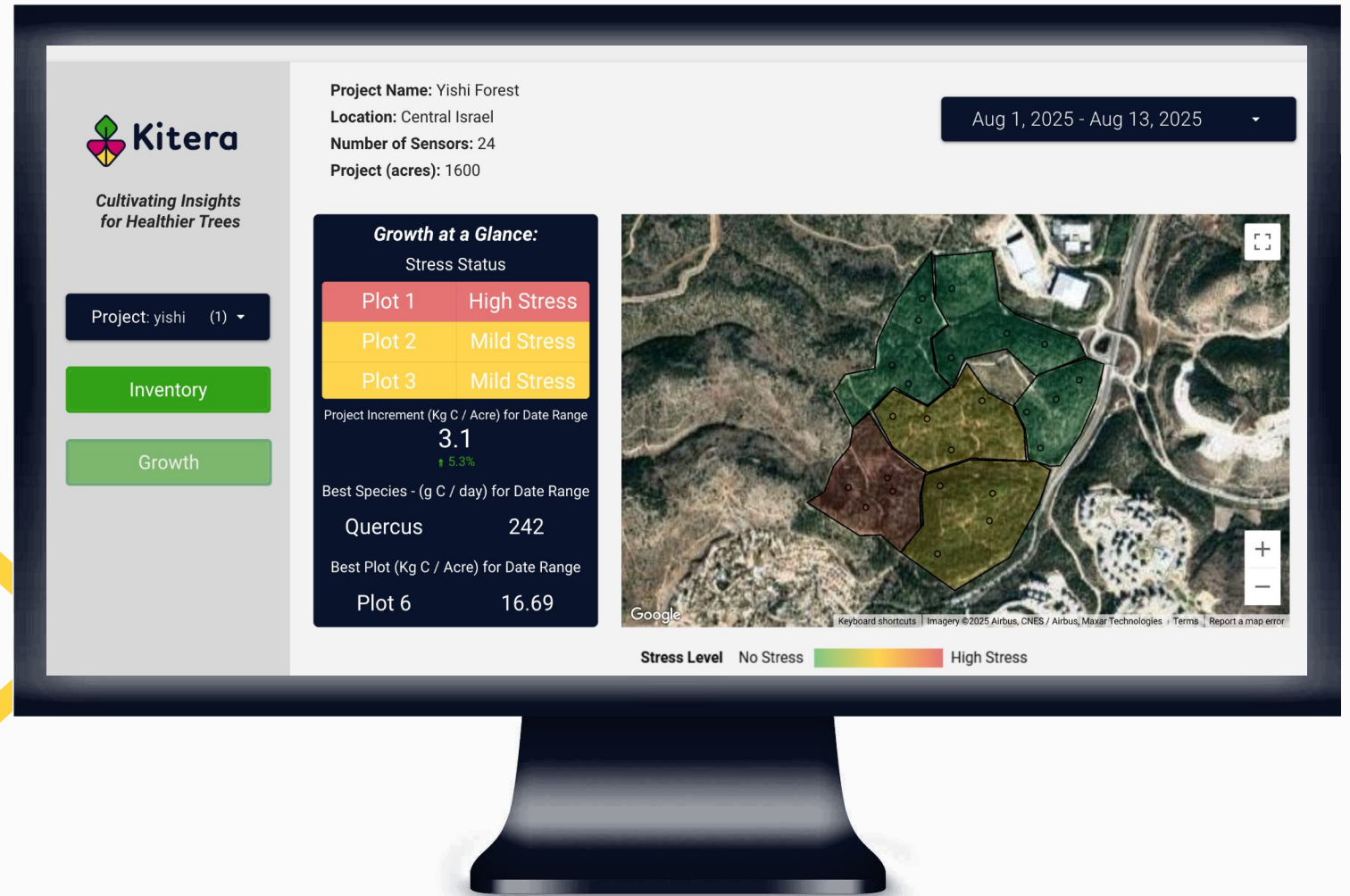
Proven Technology in Action

From large scale to individual tree-level

Finland	Commercial forest	• Pine trees • 20 sensors • Represent >1,000,000 Trees
Israel	Experimental, planted forests	• Pines (Yatir) and a mixed forest (Yeshi) • 10 and 24 sensors (respectively) • Represent ~10,000 Trees
Israel	Urban forest	• 14 Species • 100 sensors • Represent ~6,500 Trees
Israel	Agriculture	• Avocado trees • 10 sensors • Represent ~1,000 Trees in 2 plots
Israel	Pre-Breeding	• Cacao trees (Academic Research) • 12 sensors • Represent 20 Trees

Use Case: Forest Monitoring in Israel

Kitera's solution offers continuous monitoring of a mixed-species forest in Israel, providing **MAI**, **carbon assimilation**, **transpiration data** and more.



Meet the Team



**Rona
Galezer**

Advisor

iAngels™



**Ron
Seligmann
PhD**

CTO



**Benny Gil
PhD**

CEO



**Ariella
Charny**

COO



**Tamir Klein,
PhD**

Scientific advisor, Inventor





Pilot with Us!

Discover how our platform can enrich your research insights, improve yields, and optimize your resources.

Schedule a meeting today to discuss a pilot!



Cultivating Insights for Healthier Trees

Thank You!

Benny Gil, CEO
benny@kiteraio.com
www.kiteraio.com