

KKL- Kinneret Accelerator Booklet 2022

In partnership with





KIC

Kinneret Innovation Center

A one-stop-shop for innovation, the Kinneret Innovation Center creates an innovative ecosystem that links academia, industry, and the agricultural community to provide solutions that meet global needs.

KKL - Kinneret Accelerator



KKKL - Kinneret Accelerator is a 3-month program partnered with KKL-JNF and Kinneret College, designed for early stage ventures, students and graduates throughout all academic institutions in northern Israel.

The program is designed for entrepreneurs who are leading ventures in the fields of agriculture and environment, education and community and disruptive technologies

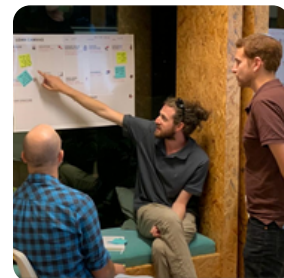


The Program is intended for early-stage entrepreneurs and ventures, including: mentoring by leading experts, professional workshops, connection to industry, academia, laboratories and researchers, investors and stakeholders.



June 2022 - open application
October 2022 - Bootcamp

Program begins on October 2022
Program ends on January 2023



KKL - Kinneret Accelerator Class #2

Rplace	#Claimatech #Carbon monetization	CO2FFSET	#Claimatech #Carbon monetization
ELVA	#Agrotech	CODA	#Accessibility #AI
Dropi	#Agrotech #Pest Detection	VETREAT	#Livestock health & welfare
BodyNav	#Medical #Physiotherapy	Repower	#Agrotech #Renewable energy
Evapro	#Watertech #Cleantech	Sonico	#Delivery services #Accessibility
		FireWave	#Fire detection #Claimatech





KKL - Kinneret Accelerator

#Climatech

#Carbon monetization

Rplace

Rplace is addressing global climate, water, and biodiversity crises by accelerating the implementation of constructed wetlands. Our vision is to see widespread adoption of this technology to ensure clean and safe usable water, healthy environments, and sustainable living for communities.

Our mission is to connect these projects to the carbon credit market for financial support and to prove their effectiveness as a leading nature-based wastewater technology.

We offer a carbon management platform for constructed wetlands companies to automate, analyze and process data, and translate it into carbon certifications and useful information for future developments.



ELVA
NEW WAY TO SPRAY

KKL - Kinneret Accelerator

#Agrotech

Elva

Elva is revolutionizing the spraying market, much like drippers did for the irrigation market. The current methods of pesticide dispersion in orchards and greenhouses are outdated, costly, hazardous, and ineffective.

Grow more with less - over the last few years, agriculture has undergone advances in industrialization and automation that enable significant savings on manpower and resources.

Protecting workers and the environment - there is a growing awareness of the dangers of pesticide compounds and protecting the environment and health of agriculture workers.

Our solution

An autonomous system that is safe, efficient and cost-saving.

Our solution includes a high-pressure dispersion device and a remote management platform to optimize and streamline the application process of spraying pesticides.



KKL - Kinneret Accelerator

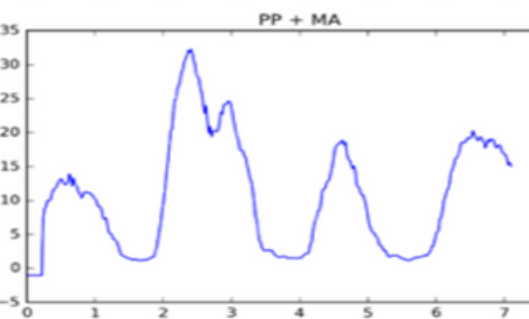
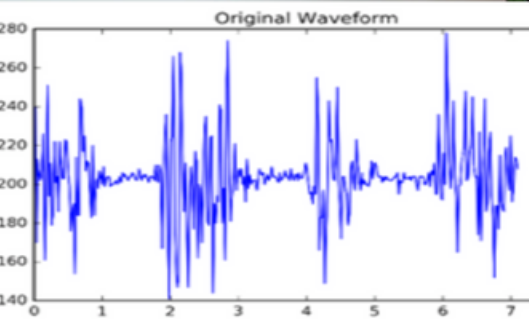
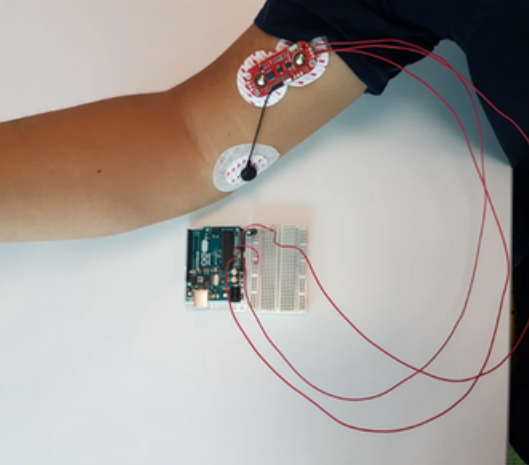
#Agrotech #Pest Detection

Dropi

Invasive pests cause annual damage of 80B\$ around the world. Exporters and border control spend over \$12B to manually check that produce is free from quarantine pests. 95% is not inspected. Automated testing a large portion of produce is the most efficient way to prevent the transition of invasive pests and to decrease the costs of labor

Our solution is a fast and automated system for testing 100% of agricultural produce. Revolutionizing the method for detecting pests using NDIR and chemical reactions on the sorting line at the packing house. The automatic method, not based on vision, means 100% of produce is inspected without delay of shipments as well as a drastic reduction in costs to produce inspection.

DROPI solution will save up to 10% of the labor cost at packing houses and provide confidence that their product is clear from forbidden pests.



BodyNav
Your personal trainer

KKL - Kinneret Accelerator

#Medical #Physiotherapy

BodyNav

Physiotherapy treatment is long and expensive, with Low success rates.

Knowing exactly how to direct the physiotherapy treatment in real-time, can shorten treatment duration by 30% - 50% and Increases the chance of success by 50%.

Our sensors are compact, cost-effective and cable-free, which helps to monitor muscle activity during physiotherapy treatment.

Our solution is designed to integrate into the growing physiotherapy equipment market.



EvaPro 

KKL - Kinneret Accelerator

#Watertech #Cleantech

EvaPro

Evaporative cooling towers have high operational costs due to significant water losses through evaporation which is a side effect of the cooling tower principal of operation.

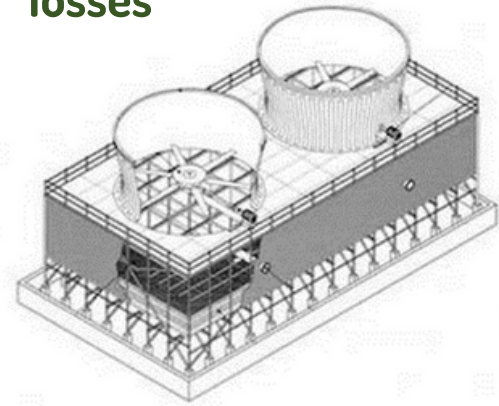
Recovering your cooling tower water losses

We developed an innovative and modular solution that will reduce cooling towers water consumption by at least 50%.

Our solution is Eco-Friendly and sustainable

Our Technology

Our technology utilizes a unique system design to allow the collection and condensation of vaporized water directly from the cooling tower evaporation stream without disrupting the cooling tower operation.





KKL - Kinneret Accelerator

#Climatech

#Carbon monetization

CO2FFSET

There's a new crop on the market called Carbon Credit

Although it is a 1 Trillion \$ annual market, almost no landowner knows about Carbon Credits and the option to measure, report, validate CO2 gasses absorbed by his\her current land and crops – losing out on substantial income!

Our unique AI & Big DATA supported platform, enables any landowner to access the Carbon Credit market, thus adding additional income of 100\$ or more per acre annually !

Our technology also enables companies that want to offset their CO2 emissions with real sustainable solutions based on photosynthesis, making it a real environmental friendly solution that is not a “green-wash” solution.



KKL - Kinneret Accelerator

#Accessibility #AI

Coda

CODA is an AI-based platform that works as a digital interpreter of both sign and spoken language.

CODA provides content creators and academic institutions with a solution to regulatory requirements for the deaf and hearing impaired and provides much better service to the deaf and hearing impaired without the demand for on-site interpreters while at the same time offering independence to a hearing impaired individual.



KKL - Kinneret Accelerator

#Livestock health & welfare

Vetreat

There are 90 million beef cattle in US. Farms are rapidly growing into mass production operations, handling thousands of animals.

All animals are vaccinated, at least twice, using manual injection techniques which are time consuming, labour intensive, inaccurate, stressful, and damaging to meat production.

VETREAT solves all these challenges by completely transforming the manner by which injections are performed.

Our product is an autonomous needle-free injection system consisting of:

1. Six pneumatic injectors with accurate location control assuring effective immunity, fast and continuous action, fully monitored and reducing stress and injury.
2. Grooming system passage: animals are identified as they pass and each individual animal is injected with its required materials and dosage.

Data is recorded throughout the process, aggregated and analysed in real-time.

VETREAT revolutionizes cattle injection, making it fast, efficient, precise, labour-free and safe for humans and animals.



KKL - Kinneret Accelerator

#Agrotech #Renewable energy

Repower

The future of agriculture waste management is Repower. 70% of the waste treatments in the world include unprofitable and non-sustainable solutions, like open dumps, landfills, and incineration. Those treatments increase methane emissions and increase the climate crisis.

Our solution is a profitable and sustainable platform that optimizes agricultural waste, applying: Drones and Gis systems, models for methane emissions from agricultural waste treatments. Repower system does optimization for agriculture waste.

Repower is a platform for farmers to maximize their gains in addition to reducing methane emissions.



KKL - Kinneret Accelerator

#Delivery services #Accessibility

Sonico

90% of the Arab Society have expressed a need for a delivery service for mini/super Markets in Arab cities and cities lacking basic infrastructure (No Street names or Names not well defined).

Sonico is developing a delivery service system that adapts to such circumstances to serve the needs of customers taking into consideration 3 key groups: Customers, Stores and Couriers.

Our algorithm selects the best store for the order and sends out the order, the store prepares the package immediately, and our delivery workers take it from there to the client.



KKL - Kinneret Accelerator

#Fire detection #Claimatech

FireWave

Sensing wildfire for a quick and data driven response

Wildfires have already become a global problem. Tens of millions of dunams burn down every year accompanied by the emission of billions of tons of carbon dioxide into the atmosphere. According to climate scientists, wildfires will become even more prevalent and more deadly in the near future.

Early detection is crucial for preventing the spread of fire.

Fire Wave uses the specific signature of the sound which is generated by the fire in order to detect it by remote sensing.

Using an IoT network of low cost sound detectors and AI-based analysis we strive for early detection of wildfire and significant reduction of damage caused by the fire.

KINNERET INNOVATION CENTER

Israel's leading tech-hub for
agriculture, water and sustainability



04-6653826



daniel.z@kic.co.il



kinneretinnovation.com



Notes...



Notes...

