

Problem

When choosing fertilizers, we have two bad options:

- Polluting Chemical Fertilizer with vast Carbon Emissions
- Inefficient Organic Fertilizers, which results in 35% crop loss.

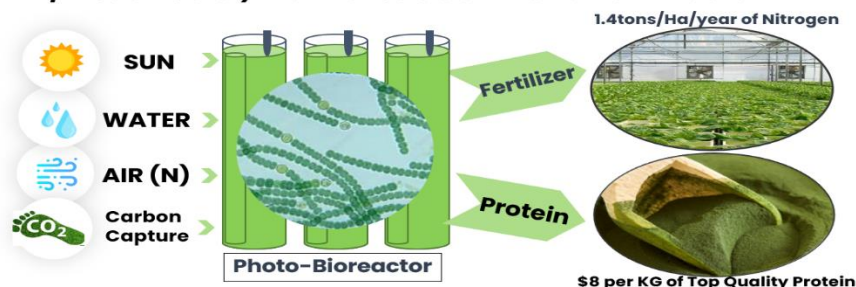


Solution

Use bacteria to fix nitrogen: A special strain that uses the sun as a source of energy. • **3rd Generation Farming**

• Automated, cost-effective technology with top-level engineering.

2μ - solar factory that makes bio ammonia from the air.



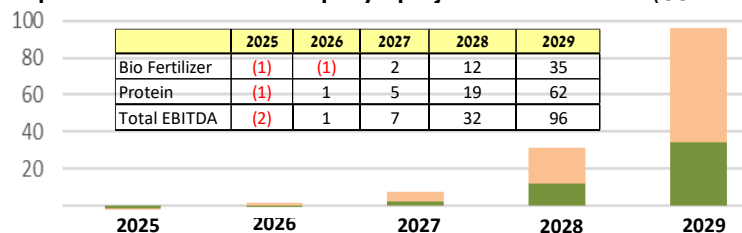
Go To Market

Launching Algaenite and Bio Liquid Fertilizer BLF production services as commercial beta sites in Connecticut and Florida to do a POC with leading clients. First revenues 2025. Partners established in Florida, Connecticut, and Denmark.

What We Do

We make organic fertilizer and protein from the nitrogen in the air. We do it using the sun as a source of energy with photosynthesis that is carbon capture.

Rapid Revenue Growth Company's projections EBITDA (US MM)



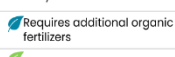
Comparing to Competing Organic Fertilizers:



Available Nitrogen	5.5%	0.4%	0.16%
Nitrogen source	Air	Plant residue	Organic wastes

Competing Nitrogen Bio Fixation Technologies



Bacteria Species	Anabaena	Klebsiella Varilicola	Gluconacetobacter Diazotrophicus
Energy source	 Sun	 Sugar	 Sugar
Application	On site fertigation or hydroponics	In furrow.	In furrow or foliar
Applicable in fertigation	 Yes	 Yes	 Yes
Applicable in hydroponics	 Yes	 NO	 Only foliar application
Crops	 All	 Maize, wheat, sorghum	 rice, wheat, maize, soybean and others
% of N supply	 100%	 20-30%	 Up to 50% w/o yield increase
Organic input certified	 Not yet	 No	 Not yet
Enables organic certification of the farm	 Yes - in the US	 No	 Requires additional organic fertilizers
Time to market	 Six months	 Commercial	 Commercial
Funding raised	€2.5M from the EU	€430M series D	N/A. From angels and Virya LLC

INVESTMENT DETAILS

Raise: \$5 million Security Preferred Shares

Pre-Money Valuation: \$20 million

Voting Rights – Proportionate to ownership percentage
\$6 million was invested to date in the development of the technology, the building of the Lab, the POC prototype, and the POC.

\$2.75 million of the \$6 million was a grant from the European Innovation Authority (non-diluting).

USE OF FUNDS – GO TO MARKET

Phased ramp-up starting with establishing the first commercial production sites in the US.

Marketing and sales in the US and Global markets.
Recruiting talent for scaling up the company.

Commercial Traction – Commercial Beta Sites



H2O Farm CT 6.5ac indoor greenhouse production of hydroponic-organic lettuce. Servicing: FreshPoint, Ahold, BigY and others.



4Roots FL Unearthing the power of food to build healthy communities an alliance of community stakeholders investing in a healthy, thriving, sustainable, food system.



Legro A/S Denmark Danish green quality horticulture since 1958. Healthy and pure product with a long shelf life. Herbs and lettuce meet the highest quality



Lior Hessel

CEO
Entrepreneur with vast know-how and experience in Ag-Tech. Founder and CEO of Growponics. Agriculture Engineer, Technion alumni, M.Sc. in Management from Yew York Polytechnic



Liat Hessel

CRO
Food scientist with over 15 years of experience in alternative portion R&D. Adv. Food Law Consultant.



Dr. Hani Shkolnikov Lozober

Project Manager
Ph.D. on Cyanobacteria protein at the Faculty of Biotechnology and Food Engineering, Technion, under Prof. Avi Shpigelman



Prof. Yoram Gerchman

CSO
Full Professor at Oranim Academic College, Head of M.Ed. program for High school Science Education, and Researcher at the University of Haifa



Anders Thomsen

CEO Algaenite Denmark
CEO at NordicFlexHouse Design & Innovation Co. Was director of the Danish Technological Institute

