

MISSION STATEMENT





produce precise and repeatable uniform phenotypes (taste, color, texture, ...)





GROW MORE WITH LESS

minimal environmental footprint & efficient use of resources produce protocols for high yield and long shelf life





THE TEAM

GIGI LEVY-WEISS

Advisory Board

Founding partner of NFX Guild and one of Israel top angel investors with over 10 years' experience as an entrepreneur and CEO of several fast-growth Israeli tech companies and a former pilot with the Israeli Air Force.



MENACHEM KOP

Co-Founder and CEO

Retired major from the Israeli Intelligence Corps. Successful serial entrepreneur with over 30 years of experience developing global businesses and operations in the areas of Telecom, HLS, Intelligence and Cyber sectors.



Advisory Board

World leading Data Mining, Big Data algorithm and robotics expert in theory and in practice. Professor and former Chairman of the Faculty of Engineering, industrial engineering department at Tel-Aviv University and former professor at MIT.







Co-Founder and CTIO

Retired lieutenant colonel from the Israeli Intelligence Force with 30 years of R&D. Founding member and, former chairman of Israel Electric Authority.





TONY LEVI

MASTER GROWER

Expert in Cannabis genetics & science, with 14 years of extensive experience in international Cannabis projects management.

THE TEAM



OREN RABINA

COO

Oversee Cellular operations in Brazil for 8 years ensuring synchronized pursuit of corporate objectives while also guiding branch managers to accomplish goals of their offices.



DIKLA COHEN

CHIEF AGRONOMIST

MSc from the Hebrew University Faculty of Agricultural. Five years cultivating medical cannabis, managing the entire growth process including vegetative reproduction, planting, harvesting, irrigation, and fertilization.



Vertical farming is already HERE?



Vertical farming benefits





Independent of weather & seasonality



Conserves water & fertilizers



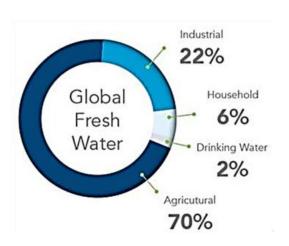
Growing in or close to urban centers



Optimal and uniform yield



Replacing labor with robotics







Our unique advantages



24/7 AgroMaster Control Room:

Effectively Handle Big Data- Utilization of AI and machine learning



Variety is key for:

- Unlocking incredibly large markets
- Advantage over competition



Uniformity is essential for:

 Data-driven optimization driving down OPEX through robotics

Robotics-Growin value proposition







Harvesting





DATA SCIENCE

- AI AND BIG DATA
- PHENOTYPE ON DEMAND

10/0 OF WATER X16
THE CROP
DENSITY

PESTICIDES





THE SOLUTION

Growln's platform Harnesses Robotics and Al to Optimize Yield, Quality and Minimize Labor







Growin innovation









Robotics

Deep Learning

Robustness

■ We have set ambitious targets at Future Crops and we are shaping the agriculture of tomorrow. Unlike most vertical farms, all our products are grown aeroponics-soil less, fully automated Robotic system for crops grown in climate-controlled isolated clean buildings.

■ We can grow selected superior crops anywhere in the world, seasonless that are consistent in both quality and yield. Controlling the whole value chain from seeding to **extended food shelf life packaging.**



Modular Fast deployment Technology







Customer value



- ☐ The global agriculture sector contributes \$3.2 trillion annually to global output and employs about 1 Billion people.
- □ Data collection and data analytics is the real game changer and businesses who most readily turn those insights into meaningful actions will drive a larger market share.



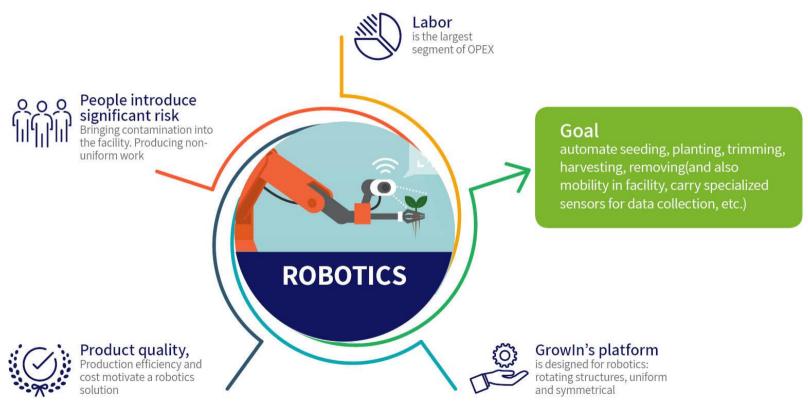
DATA SCIENCE

Growln's platform enables data collection for a large set of crops over a huge amount of environmental conditions as temperature, humidity, nutrients, etc.

State of the art deep learning methods are ready to leverage such data to build statistical models of plant biology, predict growth rate and phenotypes to spec.

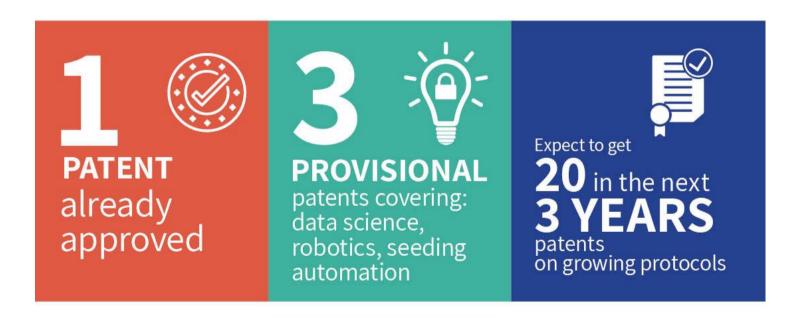
Bootstrapping data science will benefit greatly from agronomical prior knowledge, knowhow which is abundant in Israel which GrowIn has already tapped into it.

Robotics – More than Ever





IP is our Growing asset





Potential Market

Large Unique Selection



Herbal Products \$102B | 2018 **\$162.7B | 2026**



Berries \$44.8B | 2017 \$75.7B | 2026



Pharma Grade Cannabis \$10.60B | 2018 \$ 97.35B | 2026



Medicinal Plants \$49.7B | 2017 \$84B | 2026



\$0.72B | 2016 \$2B | 2025



Vanila \$0.51B | 2018 \$0.735B | 2026



Peppers \$4.1B | 2018 \$4.5B | 2026



Mints \$7B | 2019 \$7.7B | 2024



Wasabi \$0.3B | 2018 \$0.6B | 2027



Curcumin \$0.13B | 2019 \$0.16B | 2024



Basil extracts \$0.8B | 2016 \$1.4B | 2024

Go to market: target territories



Premium markets

Israel, North America, Western Europe, Scandinavia, Asia - Japan, South Korea, Singapore, Hong Kong, Persian Gulf.



Go to market: potential customers



Food distributors



Supermarkets chains



High end cannabis growers



Industrial



Business Model



Deep Learning
Driven
Protocols

Recurring



Growing Platform

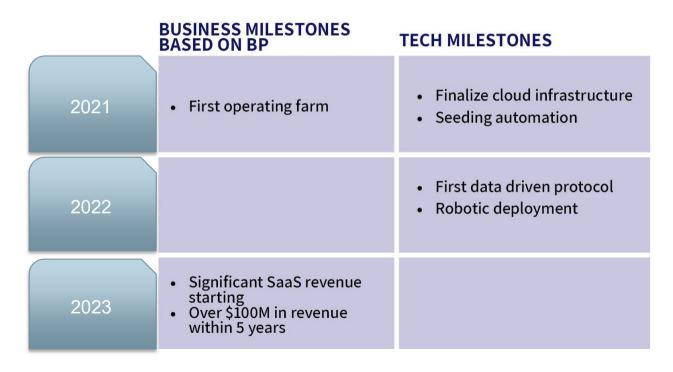


Robotics

One time



Milestones





Financial forecast

\$ Thousands	2021	2022	2023	2024	2025	2026
Revenue	806	15,264	29,620	57,457	84,399	115,969
Gross profit	220	5,553	11,363	24,299	37,066	56,675
Gross margin %	27%	36%	38%	42%	44%	49%
Operating expenses Research & Development Sales & Marketing General & Administrative	1,195 - 716	3,344 645 1,029	5,365 2,491 1,787	7,337 3,999 2,182	10,632 6,565 2,421	12,090 7,852 2,675
Total operating expenses	1,911	5,018	9,643	13,518	19,617	22,617
EBITDA	-1,685	1,152	3,087	15,126	23,485	44,224
EBITDA %	-209%	8%	10%	26%	28%	38%
Cash Flow (excluding investment)	-3,089	-6,941	-3,522	629	7,516	35,759



Sales Financials

\$ Thousands	2021	2022	2023	2024	2025	2026
Growing platforms						
Food	-	5,184	7,776	24,883	40,609	59,624
Cannabis	806	10,080	18,144	21,289	24,153	26,754
	806	15,264	25,920	46,172	64,763	86,379
Robotics						
Food	-	-	640	960	3,200	5,440
Cannbis		-	800	1,440	1,760	2,080
	-	-	1,440	2,400	4,960	7,520
SaaS						
Food		-	518	2,986	6,115	10,641
Cannabis	-	-	1,742	5,899	8,561	11,429
	-		2,260	8,885	14,677	22,070
Total	806	15,264	29,620	57,457	84,399	115,969



The Best Way to Predict the Future is to create it

