







WHY IS SUPPLY DECREASING?



DIMINISHING ARABLE LAND



FRESH WATER SCARCITY



SEASONALITY & PRICE FLUCTUATION



CROP LOSSES

NO PREDICTIBILITY

LOW PROFITS



PESTS



USE OF PESTICIDES



Building a Sustainable Global Food and Medicine Supply for the Future



Commercial Indoor Vertical Farming Systems

Modular, Climate-Controlled, IoT-Automated,

X30 Yield/M²

compared to a greenhouse

-95% Water

-75% Labor

Rapid Payback

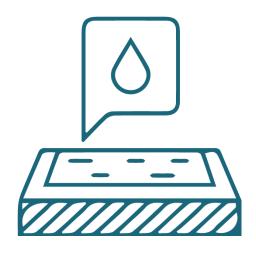


NO

Pesticides
Guesswork
Crop Losses



Case Study:



Greenhouse Vs. LiveCube™

Koura, North Lebanon



Before





After





Over 70 Varieties Successfully Grown and Sold







In-House Incubation

Rapid, contamination-free germination





Traditional Greenhouse

LiveCube™ Vertical Indoor System

224M²	Production Area	84M²
~ 6,000 - 9,000 Plants/Yr.	Production Volume	~180,000 Plants/Yr.
~ 1,100,000 Liters/Yr.	Water Consumption	~72,000 Liters/Yr.
3 employees	Labor Requirement	2 employees
>30%	Crop Losses	~1%



Products:

LiveCube™

Over 200 Varieties of Salad Greens, Herbs, Micro greens, Saffron, & Strawberries

Modular Vertical Farming Hardware + Proprietary OS

OmniHive™

Vines, Bushes, Stalks, Tubers, Dwarf Fruit Trees, Medical & Cosmetic Plants

Modular Vertical Farming Hardware + Proprietary OS

Jarvis™



Cloud-connected Production & Inventory Management Dashboard (SAAS)

Hardware 1

Hardware 2

Software



Production

Production Equipment Installation & Starting Supplies Provision

Operational

- Ongoing Support, Maintenance, & Software upgrades
- All Consumables Provision

Add-on Automated Management Services

- Production Management (SaaS)
- Produce Sales Management (SaaS)



Benefits:

- Modular, scalable, economically feasible technology.
- BIG savings in water and fertilizers. Low power consumption.
- Immediately applicable: in strategy, and physical deployment
- Requires no infrastructure investments from the government
- Proudly made in Lebanon: requires no foreign expertise or workforce
- Will exponentially boost Lebanese agro-production output in terms of quality and volume
- Will allow Lebanese producers to supply the surrounding region with fresh, high-quality, off-season produce, year-round, at fixed prices and a fraction of the logistical cost and carbon footprint
- Will seamlessly plug & play into the medical/pharmaceutical cannabis industry immediately upon legalization, making government regulation &
 control much easier via Blockchain technology



Target Markets

Hydroponics & Precision Agriculture Equipment \$28B





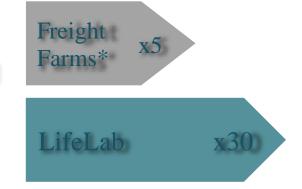




Power Consumption



Production Volume/M
(Compared to Greenhouse
Production)



Payback Period

