

UNIVERSAL DATA-DRIVEN TECHNOLOGY

for growing plants in a indoor farm



current situation —

Food security calls:

- supply chain optimization
- zero-pesticide growing
- process automatization
- local farmers support



2 steps

The solution — Indoor farms

- food-to-fork
- 99% less land
- 24/7/365
- pesticides free
- 90% less water
- CO2 emissions are cut

global market —

FRUIT & VEGETABLE MARKET

\$363B in 2023

CAGR 2%

Consumption of fruits and vegetables

146 kg/year per person

World's population grow to **10B by 2050**

source

INDOOR FARMING MARKET

\$125B in 2023

CAGR 2.5%

This market also includes companies whose business-models are based on building farms and selling grown produce.

source

INDOOR FARMING TECHNOLOGY MARKET

\$44B in 2023

CAGR 9.65%

iFarm \$2B

5% of this market by 2023

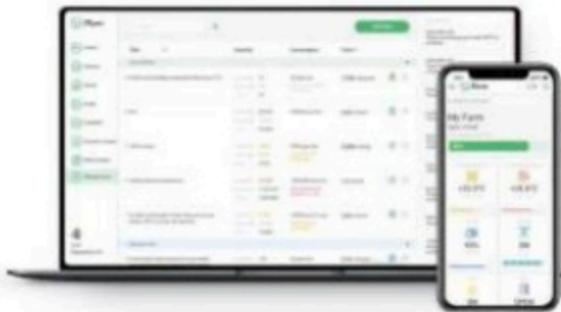
source

product

iFarm technology includes:

SOFTWARE

an ultimate tool for
managing indoor
farms



INDOOR FARMS

scalable industrial
farm



GROWING CARTRIDGES

consumables: seeds, fertilizers,
pots, substrates, packaging,
biosafety



customer journey

1. Designing a farm

By authorized partners



% of project cost

2. Building a farm

By authorized partners



% of unique equipments sales

3. Growing process

the main source of profit



Subscription on SaaS and consumables

4. Special services

Sales, operation, finance
By authorized partners



% of project cost

5. Client support

By authorized partners



% of project cost

iFarm Growtune:

an ultimate tool for managing indoor farms

Software features:

- ready-made plant recipes
- control of environmental parameters
- production planning
- monitoring system
- price & cost management
- CRM system
- API

 Leafy greens and herbs

 Flowers

 Med. herbs

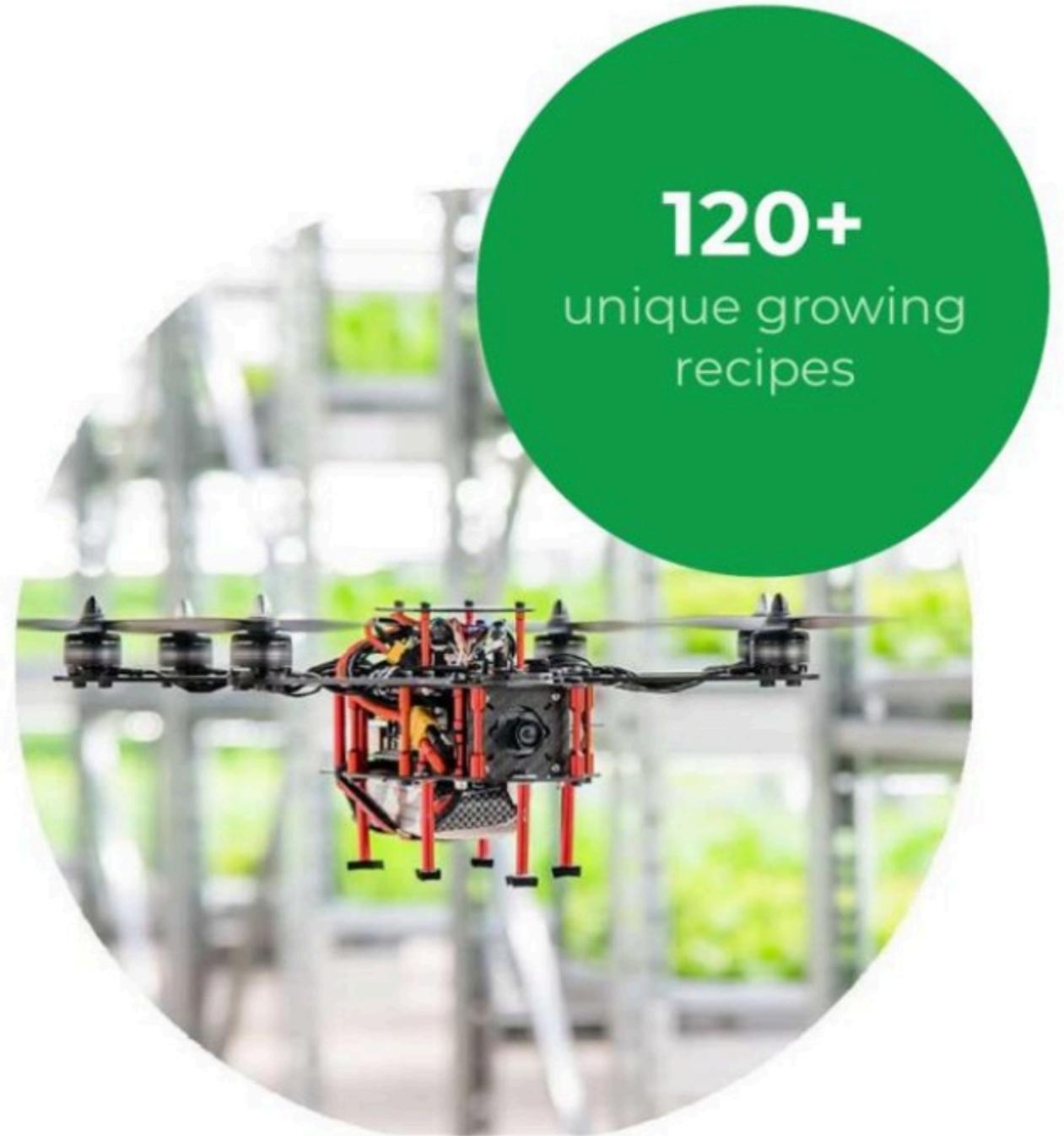
 Berries

 Vegetables

 Microgreens

[Learn More](#)

120+
unique growing
recipes



artificial intelligence technology

AI processes data from a widespread network of indoor farms

Continuous self-improvement of plant formulations

The more farms work with iFarm technology, the smarter are the algorithms and the better are plant formulations. Yield increases while prime cost of produce decreases. Personalized plant datasets with customizable characteristics



Computer vision

Process automation and farm staff utility optimization

Image-based (from drones and smartphones) assessment of plant weight, growth deviations and diseases.
Decrease of labour costs and reliance on highly paid specialists



Predictive analytics

Quality assurance, compliance with deadlines and volumes of produce

Instant adjustment of plant formulations at an early stage based on detected deviations
Smart algorithms to forecast demand, manage farm utility, staff and logistics

our team

**Distributed team
of 40 professionals in 6 countries**



Alex Lyskovsky

President.
founder of Alawar
and Welltory



Max Chizhov

CEO.
founder at
Virtuality.club and IISCI



Kirill Zelenski

VP of iFarm Europe.
NOKIA, Kaspersky,
F-Secure



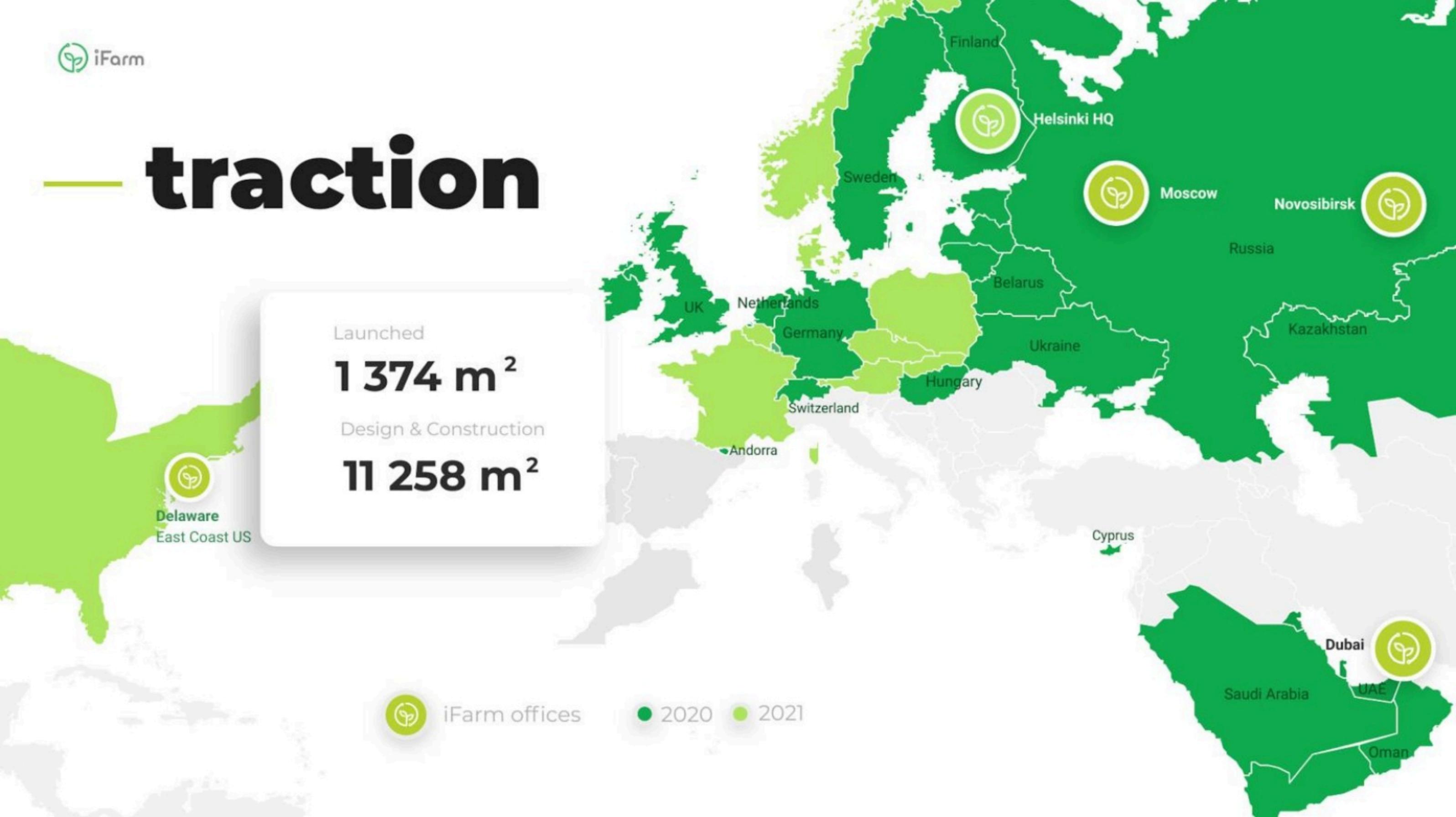
Konstantin Ulianov

COO.
Experienced construction
and production manager



— traction

Launched
1 374 m²
Design & Construction
11 258 m²



Delaware
East Coast US

iFarm offices

2020 2021

iFarm:

our values

- Sustainable development
- Environmental Friendliness
- Food Safety
- Innovation
- Responsiveness

strategy

We create and develop modern technologies for city farming in order to improve life of every human being on Earth and to satisfy the basic right of human beings to consume affordable and quality products.

mission

We want to provide everyone around the world who would like to grow plants with a global and a customizable platform for local production of the required products regardless of the season.

Environmental Impact

2020

469 345 kg
Food produced

- 36 836 kg
reducing CO2
- 60 816 150 litres
water saved
- 4 137 395 m²
land saved
- 11 435 €
fuel economy on food delivery

2026

47 520 000 kg
Food produced

- 3 728 804 kg
reducing CO2
- 61 560 000 000 litres
water saved
- 418 800 000 m²
land saved
- 1 156 077 €
fuel economy on food delivery

*Data is calculated based on the total sq. m. on iFarm Technology by the end of every year and the following parameters for vertical farming: yield 3.3 kg per 1 m² (baby leaves mixture), consuming CO2 3,1 kg/m², water use 270 liters per 1 m² of floor space, every 1 m² of floor space of vertical farming produces approximately the same amount as 350 m² of conventionally worked farm land. Fuel economy is based on technical characteristics of Mercedes Benz Axor 2543, 1500 km as a average way of transportation of tomatoes and 1.22 EUR per 1 liter of diesel fuel

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