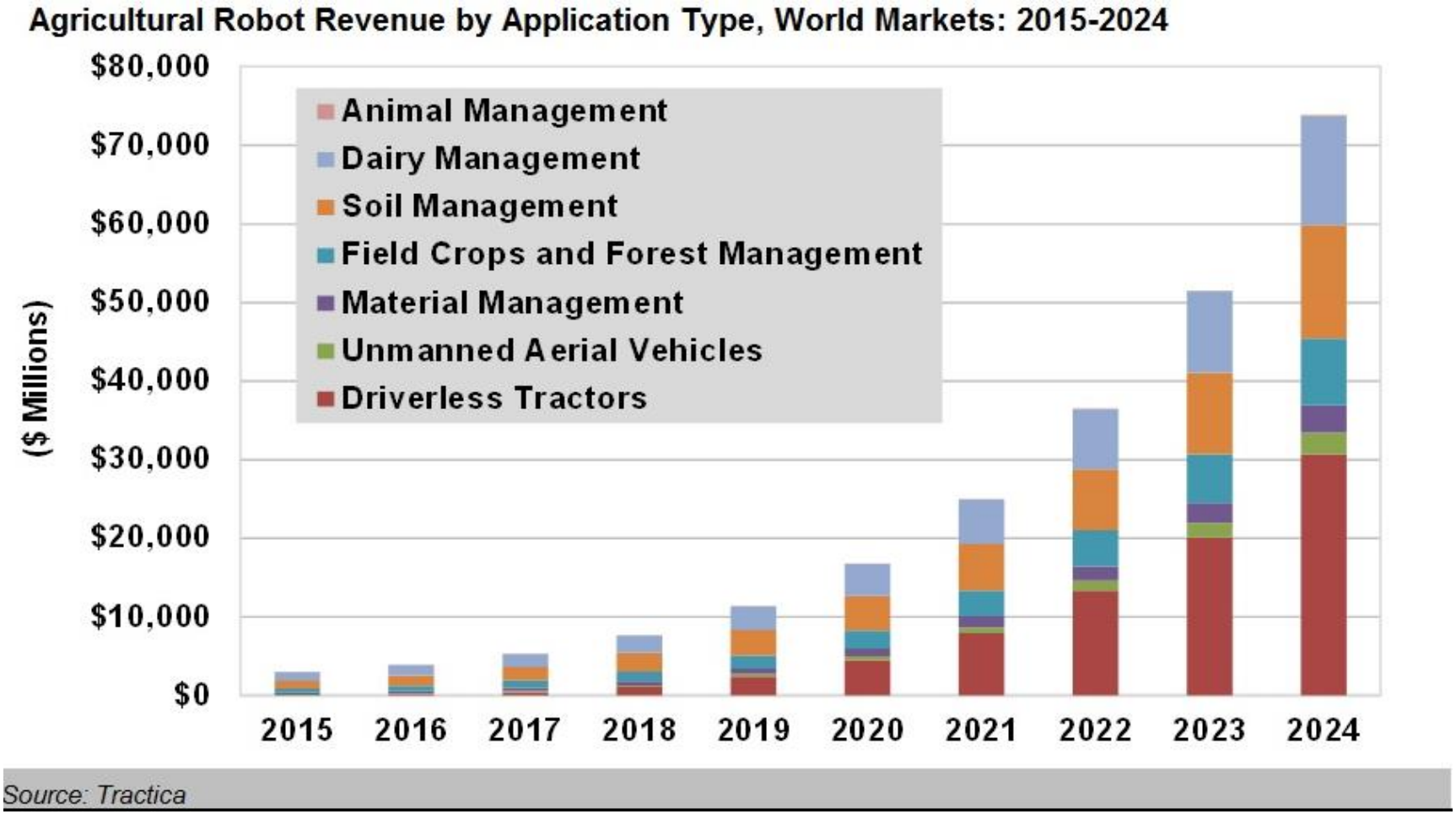
ROBOTEC LIFESAVING ROBOTICS

AGROTEC

autonomous, multipurpose, AI-based robotic platform for crop protection

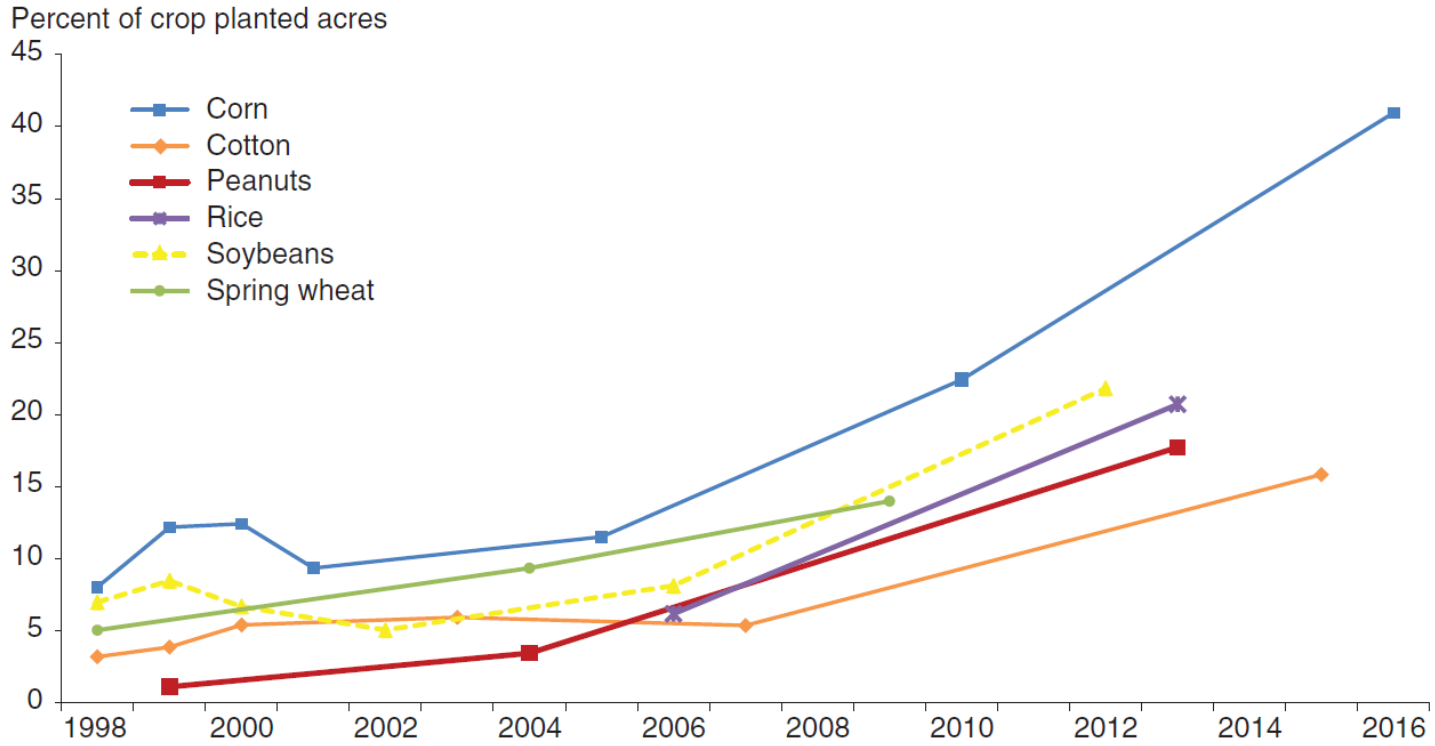
- no-till - chemical free -

Global Agrobots Market Size



Precision farming adoption (USA)

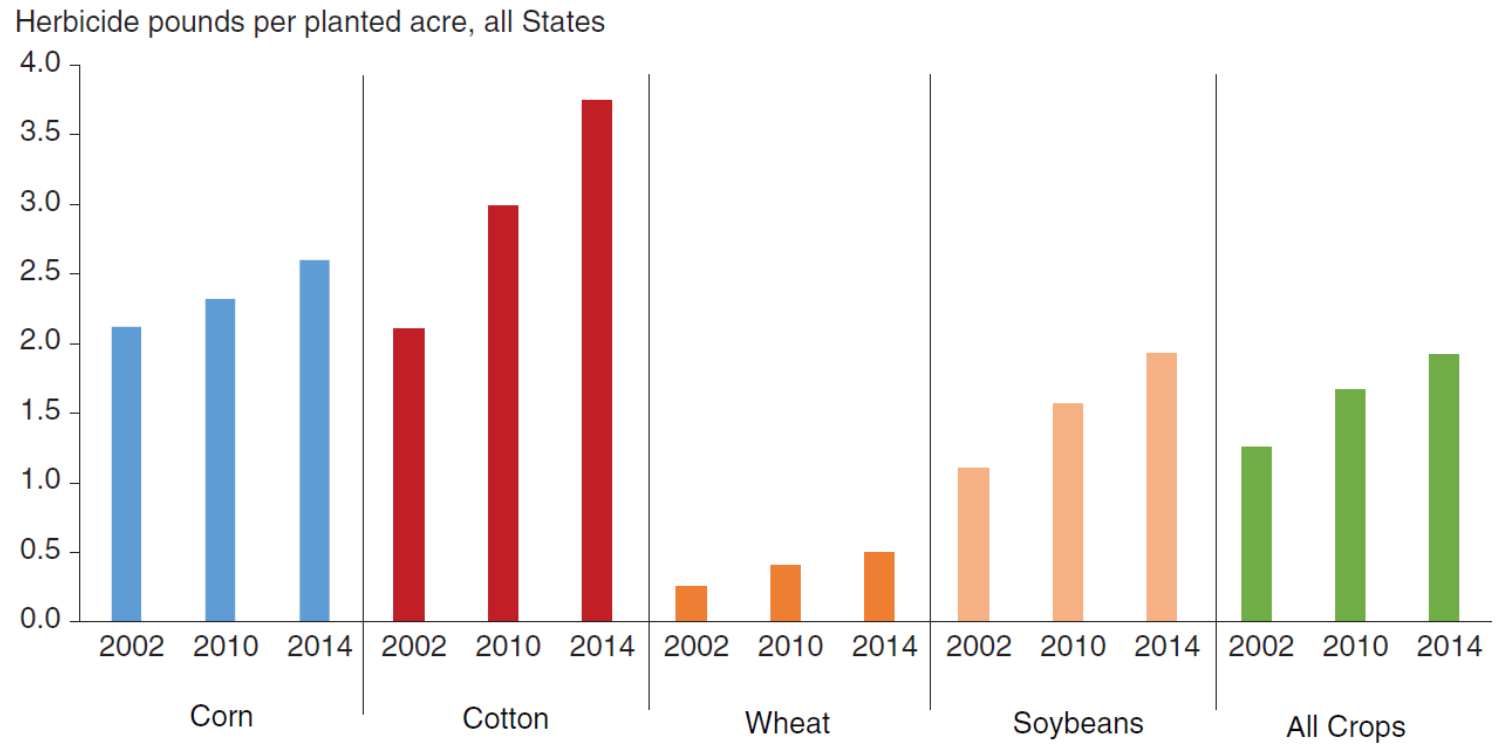
Adoption of variable-rate technology (VRT) by crop, 1998-2016



Note: Line markers indicate survey years for each crop.
Source: USDA, Economic Research Service (ERS) estimates using data from ERS and USDA, National Agricultural Statistics Service, Agricultural Resource Management Survey, Phase II.

Herbicide application (USA)

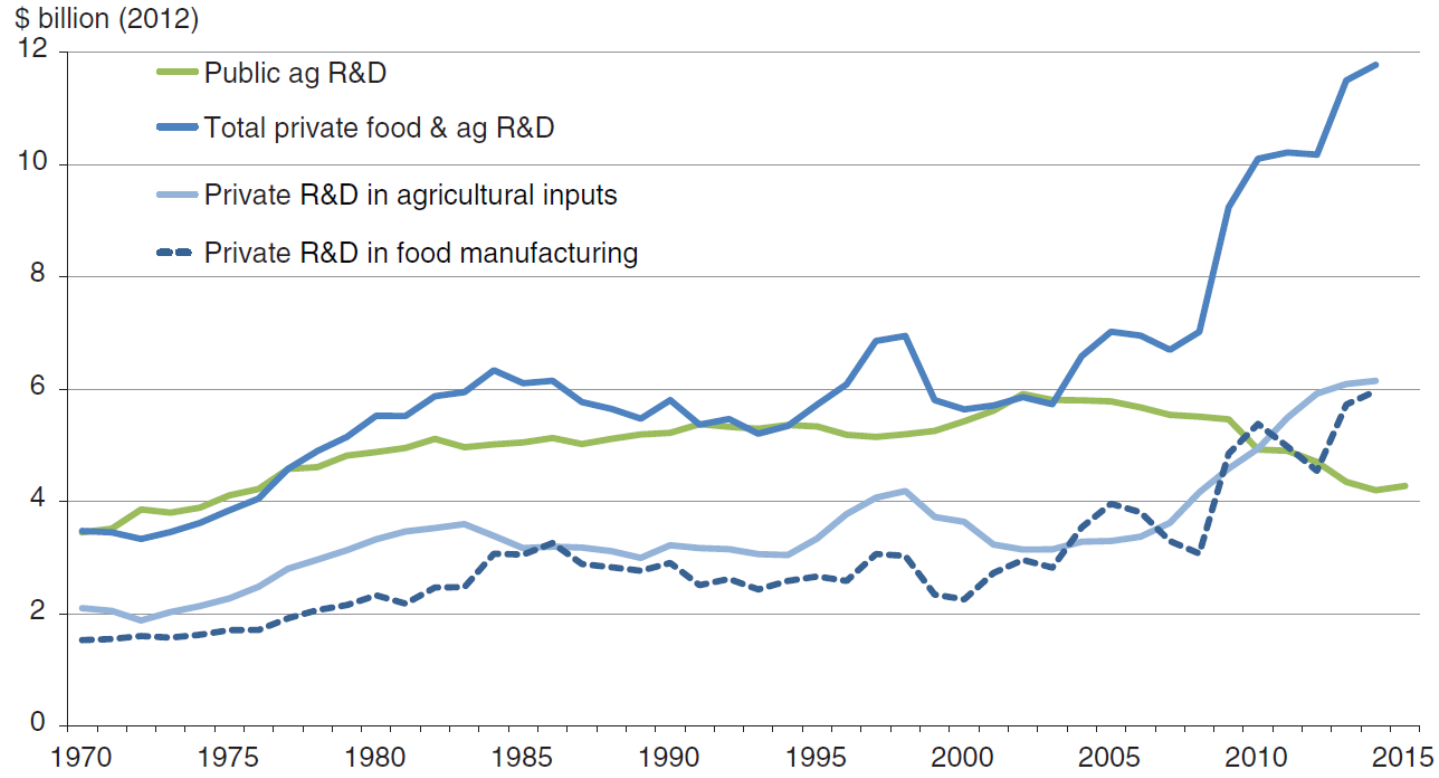
Herbicide application rates for four major crops and all crops, 2002-14



Source: USDA, Economic Research Service using data from the U.S. Geological Survey (Baker, 2017).

Ag&Food R&D investments

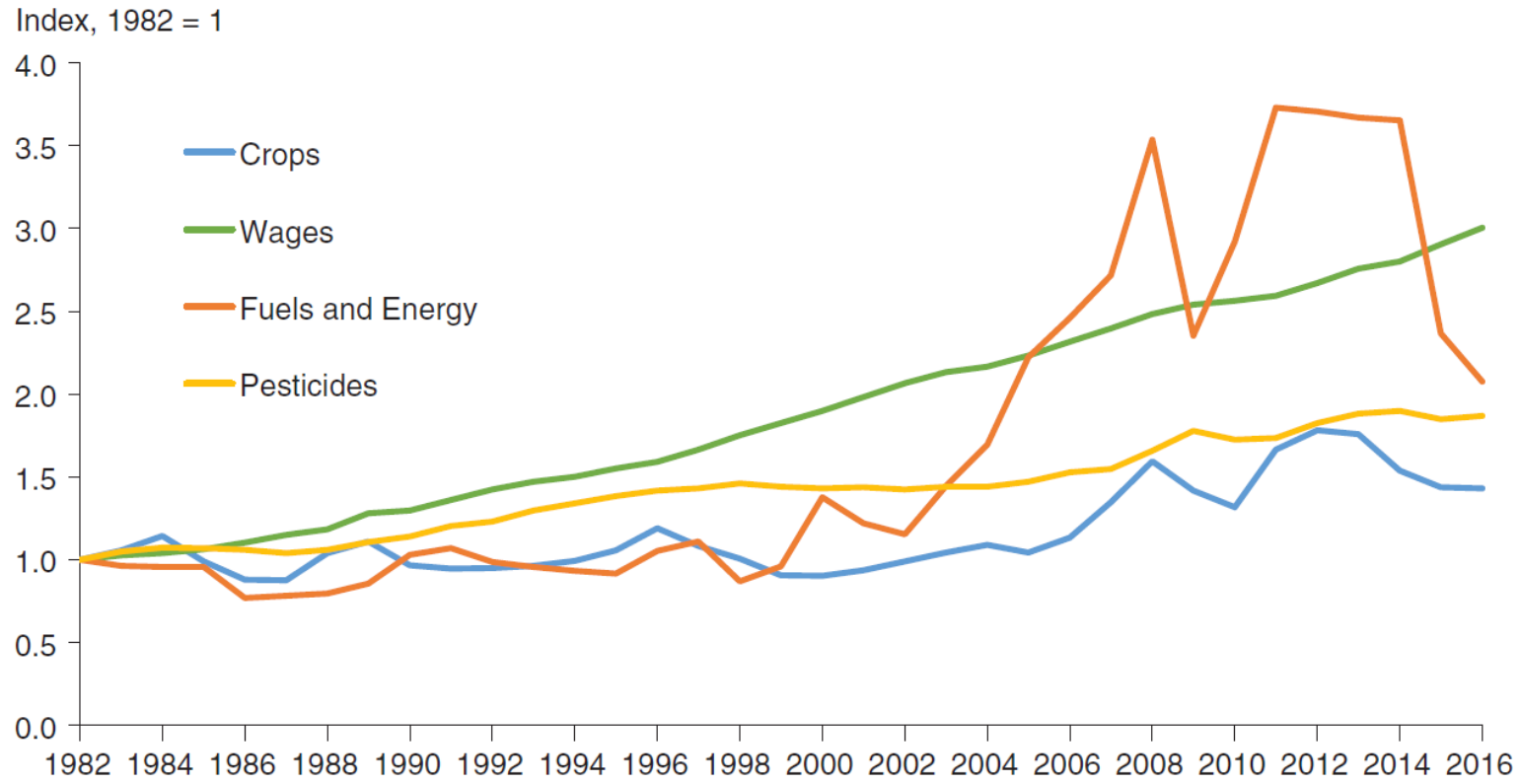
Real agricultural research and development (R&D) funding, 1970-2015



Note: Data are adjusted for inflation and expressed in 2012 dollars.
Source: USDA, Economic Research Service.

Crops price factors

Price indexes for crops, wages, fuels/energy, and pesticides, 1982-2016



Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service, Agricultural Statistics.

Summarized Market Opportunity (2021)

- TAM 25B USD
- SAM 18B USD
- **SOM 4.8B USD**

As average potential customer we choose Large-scale family farms (Gross revenue of $1,000,000 or more) and Large farms (between $1,000,000 and $4,999,999).

Having carefully analyzed these types of farms, we came to the conclusion that the fastest and most efficient sales, the high-quality and effective positive feedback will be achieved when working with the above two classes of farms. They have enough money in circulation, are focused on growth and development, and make decisions quickly.

US market share*

Potential customers in the USA = 200,000 farms

We plan occupy 15% of the market

Sell 4 robots average to each farm

Price: 40000 x 4 = 160000 usd

Revenue = 4.8b USD

Number of Agrotec robots 120,000 pieces

**- the calculations that we obtained using information USDA can with a high degree of probability be extrapolated to the rest of the Global market*

Agrotec (MVP)

Agrotec scope:

- up to 50% less expensive than standard treatment;
- up to 99% reducing of chemical use;
- up to 40% potential of yield increasing (the effect of preservation);
- up to 24/7 autonomous safe work day and night;
- up to 100% eco-friendly (no-till, chemical free)
- up to 100% safe food (chemical free);
- up to 95% accuracy in weeds recognition and control;
- up to 90% accuracy in diseases recognition and control.

Agrotec Unique Selling Point

Autonomously increase yields

up to 40%

using no-till and chemical free methods

- we use only water, air and electricity -

Financial Overview

- We have not received external investments or grants at the moment
- We passed one Accelerator (without equity sharing)

Investments in the project = 100,000 USD

October 2020

- personal funds of founders
- funds earned outsourcing in robotics

Competition

- https://www.swarmfarm.com/
- https://www.naio-technologies.com/
- https://www.smallrobotcompany.com/

Our advantages

we can do all the same as our competitors:

- autonomous precision movement across the field
- work of a fleet of robots
- computer vision
- recognition of weeds and diseases
- precision local impact
- analysis of information in the Cloud
- **weed control**
- **elimination of diseases, fungi, bacteria**

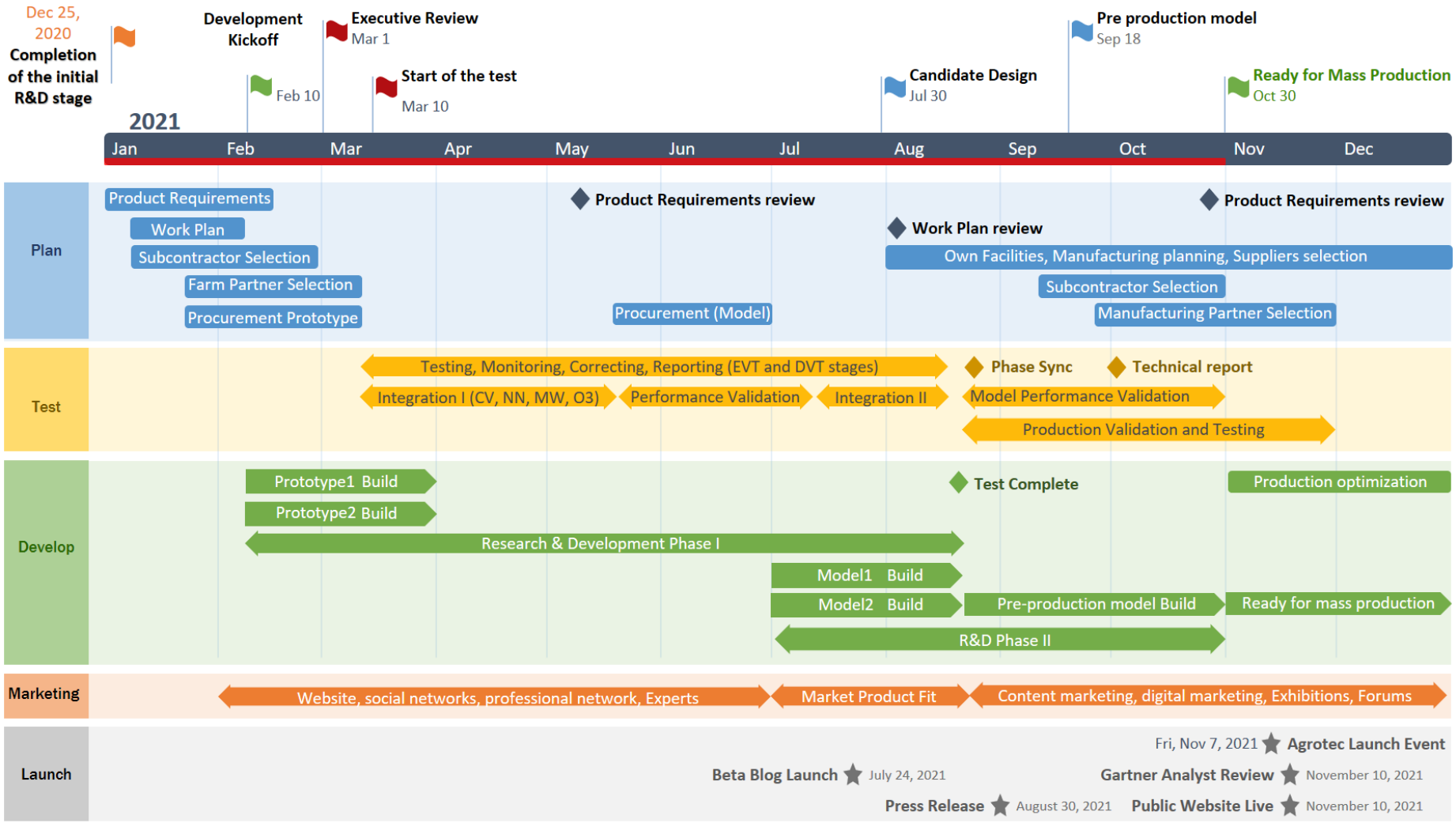
but we do it all using
no-till and chemical free methods

Barriers to Entry

With our partners and advisers, we conduct series of experiments, research work that will allow:

- increase the efficiency of microwave exposure
- bring microwave technology to a commercial level
- select the exact drop size and H2O2 concentration in the mist
- select the frequency of processing both weeds and crops both by microwave and H2O2

Roadmap (product dev)



Capital Request

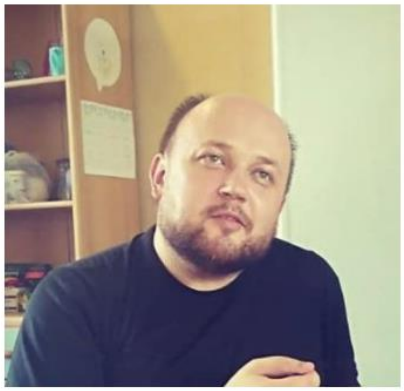
- **400000$ (pre-seed stage)**
- **5% equity**

- **Product development;**
- **R&D, EVT, DVT;**
- **Product market fit;**
- **Full-scale field tests and validation;**
- **Pre-production, mass production preparation;**
- **Cloud AI-based service (RaaS) development;**
- **Marketing.**

Team

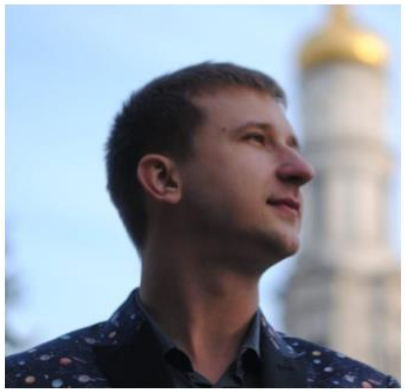
Ruslan Bredun

CEO, co-Founder



Andrey Saltanov

Chief Engineer, co-founder



Nick Reznichenko

QA, Assembly Engineer

Illiya Shvarov

SoftWare Engineer

Wanted into the Team

CMO, co-founder

Wanted into the Team

CFO, co-founder

Wanted into the Team

CTO, co-founder

Alex Reznichenko

Co-founder, Angel investor

ROBOTEC LIFESAVING ROBOTICS

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