

AGRIVERSAI

# WELCOME TO AGRICULTURE OF THE FUTURE

Optimizing More Than 70 Crops with AI-Based Vertical Farming



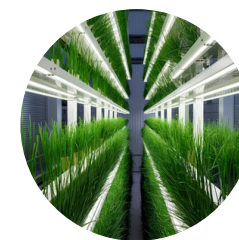
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## The world is changing rapidly and the agriculture sector has to keep pace with this change.

Traditional farming methods are no longer sustainable and we need to look for ways to use our resources more efficiently. This is where we come in: Our AI-based vertical farming initiative is taking agriculture into the future by optimizing more than 70 crops.





**Our mission is to make food production more efficient, sustainable and accessible by bringing together advanced technology and bioscience disciplines.**

We are revolutionizing agriculture with our innovative R&D methods in areas such as plant phenology, climate, nutrition and photoperiod management.





# INNOVATIVE SOLUTIONS

## Plant Phenological Stage Based Acclimatization and Nutrition

We optimize climate and nutrient settings according to each plant's unique growth cycle.

## Stress Factors Management

We use advanced techniques to make plants resistant to stress factors.

## Uses of Electromagnetism

We support plant growth by adjusting the photoperiod over different wavelengths.



OUR SPECIAL R&D  
METHODOLOGIES



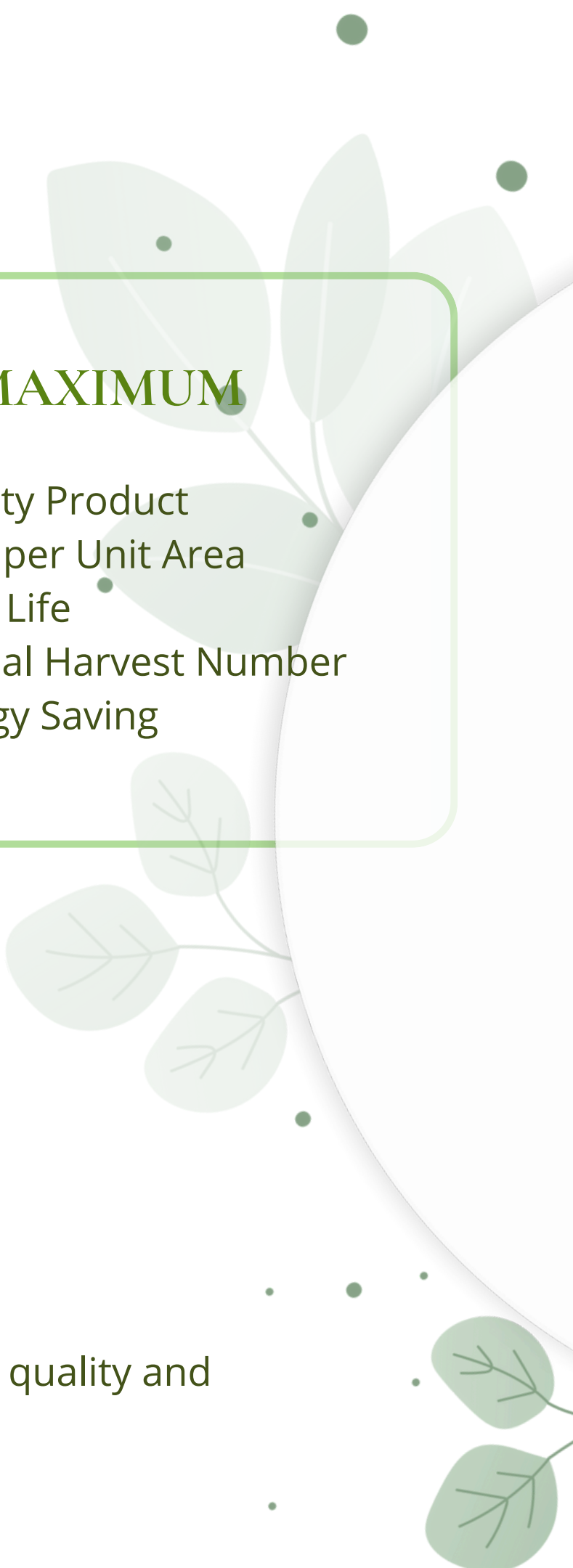


# VERTICAL AGRICULTURE



# AGRIDL 5.0

- Fast new crop optimization
- Pinpoint production parameters
- Maximum yield per unit area
- Tracking from seed to consumer
- Region-based production volume forecasting
- Estimation of which sector the produced product is suitable for within the framework of its quality and product characteristics
- ROI





# Water use

According to Traditional Agriculture

Up to  
**90%**  
Water savings

**Research settings:** Some controlled vertical farming systems have achieved yields up to 10 times higher per area compared to conventional farming methods.

**Future potential:** Some experts believe that optimized vertical farming systems could yield 1000 times more than conventional agriculture in the future.

# Space utilization

In terms of land use, vertical farming provides a wide range of production increases over conventional agriculture, ranging from

**10%**  
to  
**1000%**

**Commercial applications:** Today's commercial vertical farms can produce yields 2 to 5 times higher than conventional agriculture.





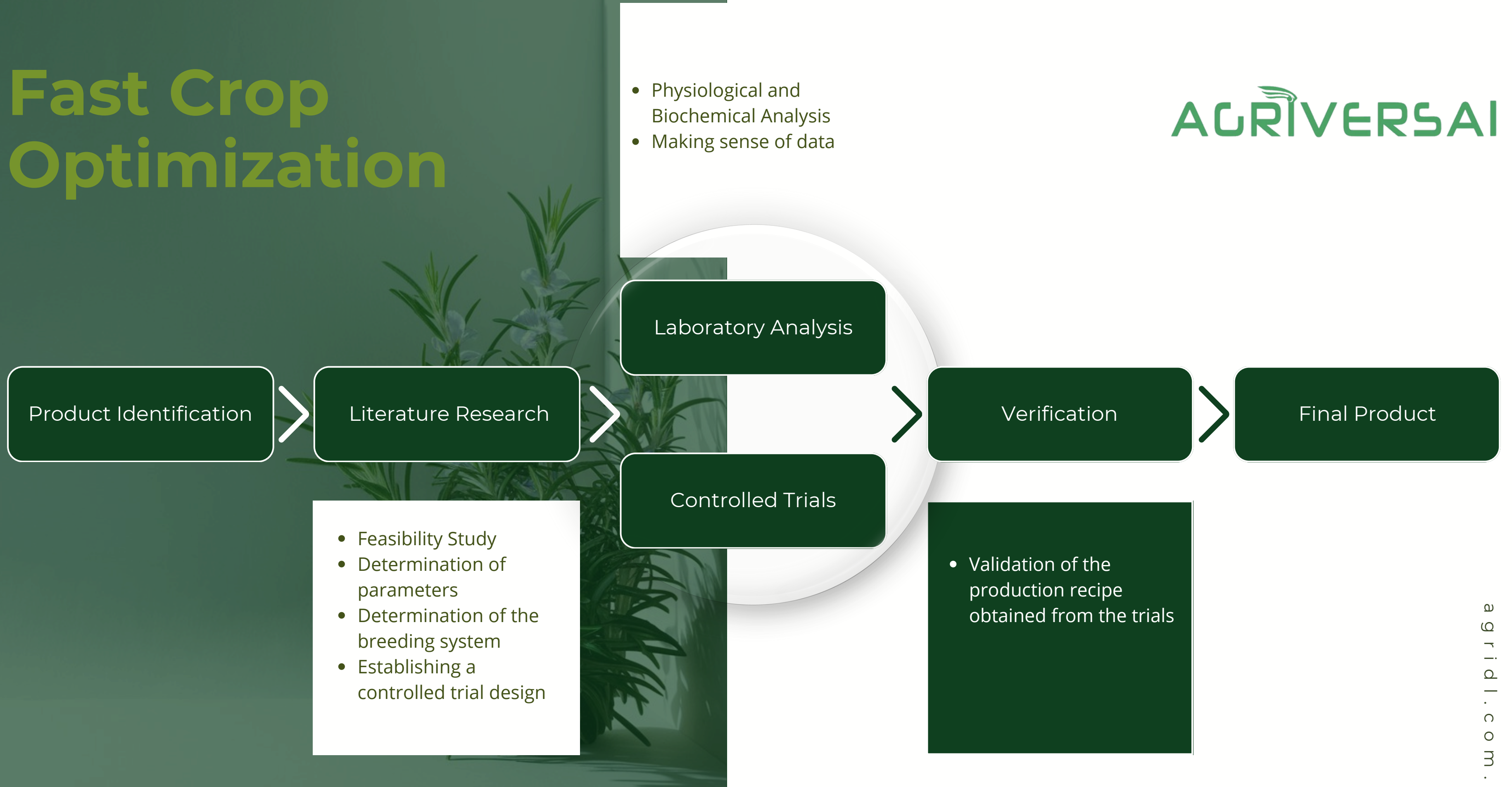
# PRODUCTION PARAMETERS



EC	●	Relative Humidity
pH	●	CO <sub>2</sub>
Nutrient Content	●	Room Temperature
Photoperiod	●	Leaf Surface Temperature
PPFD	●	VPD
Light Spectrum Distribution	●	Dissolved Oxygen
Sowing Frequency	●	Growing Environment



# Fast Crop Optimization



**AGRIDL 5.0 shortens this process, saving time and money**



# OUR TECHNOLOGY

## Artificial Intelligence and Data Science

We optimize agricultural processes with advanced data analytics and machine learning algorithms.

## Bioscience

By focusing on plant biology and genetics, we grow healthier and more productive plants.

## Space Agriculture

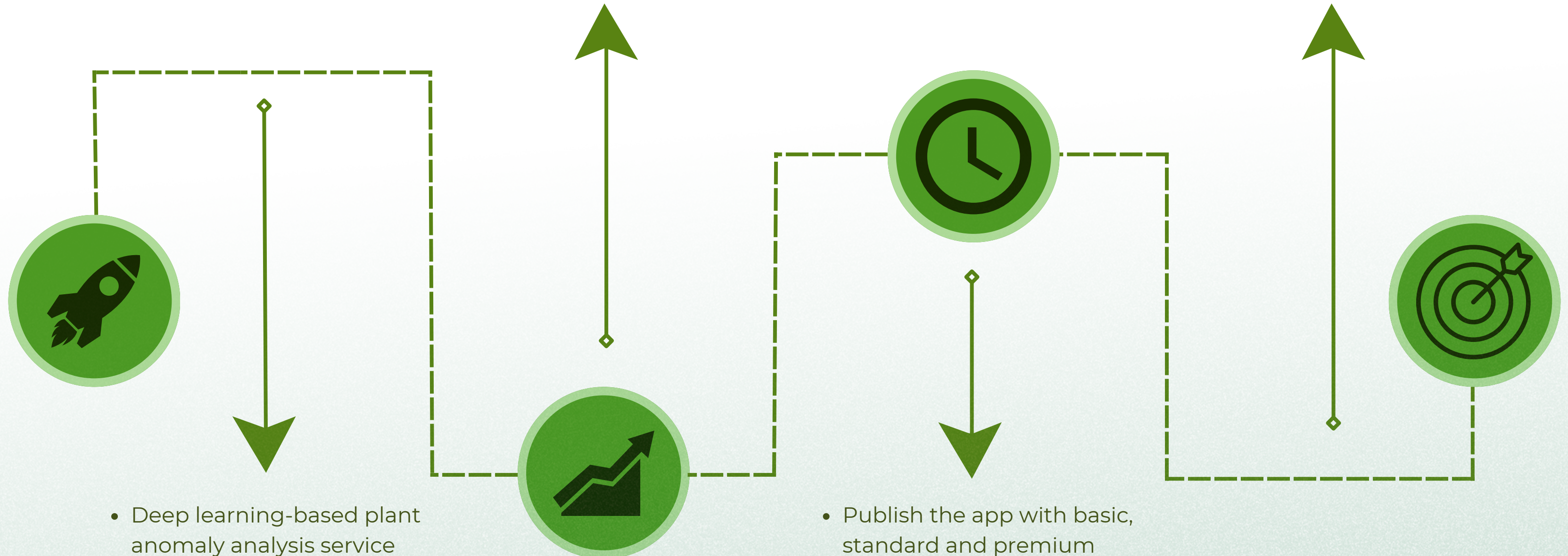
We are working on agricultural technologies in space to shape the agriculture of the future.



# RoadMap

- Start activating labs
- Increase the number of data
- Develop DL model for new product forecasting
- Artificial Intelligence Based Integration Service

- Improving the app based on feedback
- Adding the products identified through tests to the application
- Completion of the web interface
- Start working with ERP module



- Deep learning-based plant anomaly analysis service
- Improving product quality

- Publish the app with basic, standard and premium packages
- Developing and publishing our advertising policy

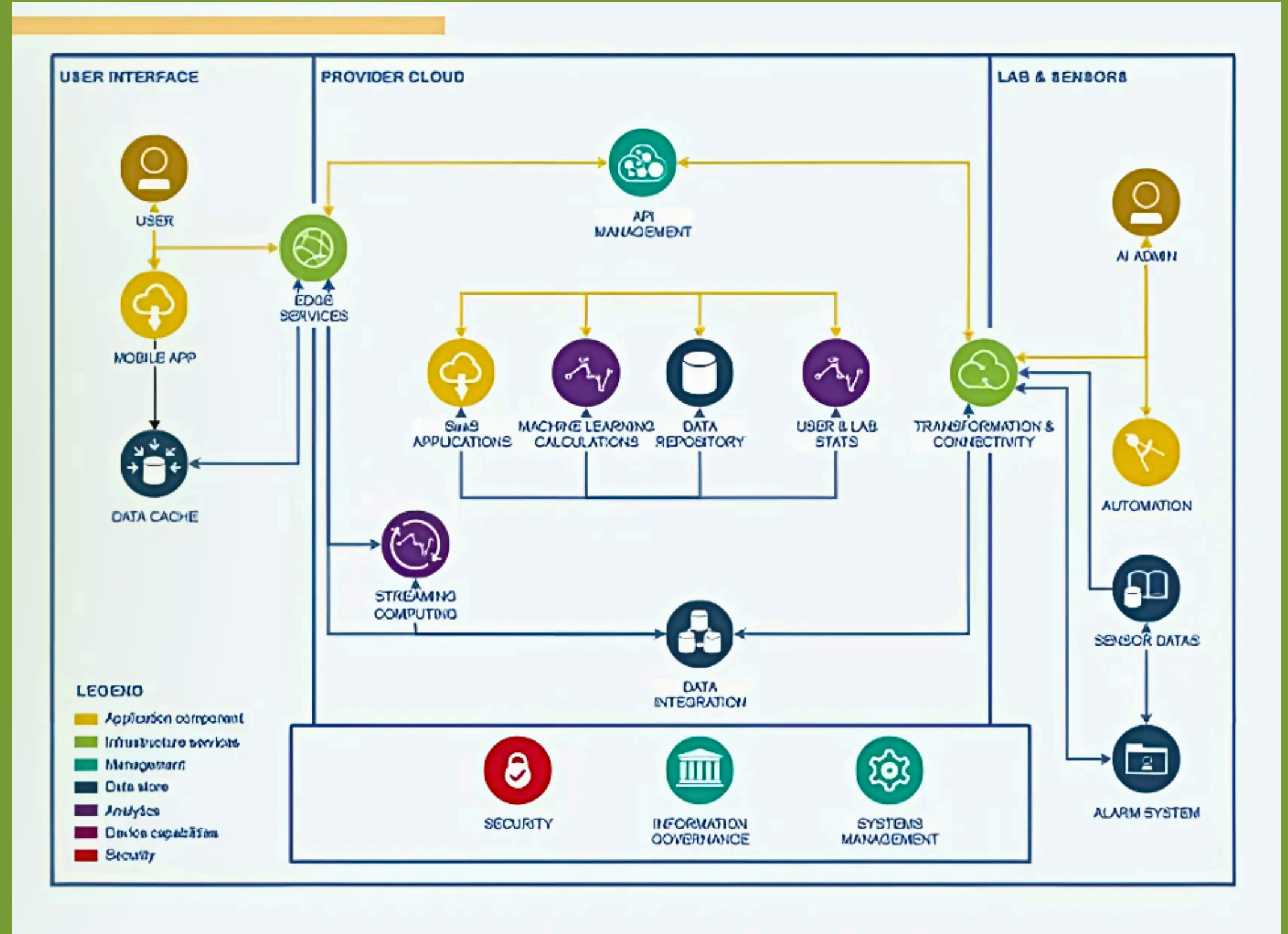




# Smart Agriculture Platform



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# Features

**Alarm and  
Warning  
Sistem**

**User  
Interface  
(Mobile &  
Wep  
Application)**

**Machine  
Learning and  
Deep  
Learning  
Services**

**Data  
Analysis**

**Sensors and  
Automation**

**AgriversAI  
chatbot**





# MAXIMUM YIELD PER UNIT AREA

LETTUCE	TRADITIONAL AGRICULTURE	AGRIDL 5.0
Annual Harvest Number	2-3	14
Number of Plants / m <sup>2</sup>	10	55
Growth Period	80	25
Nutritional Value	Low	High



# WE FOLLOW EVERY PROCESS METICULOUSLY



## **Seed - Seedling Stage**

Seeds represent the beginning of the life cycle. When we put them in the soil, we provide the perfect environment for them to grow. At that moment, in just 12 days, the seeds appear as seedlings.

## **Development Phase**

Healthy seedlings are moved from the germination area to the Hydroponic system. In this system, the plants regain their ability to grow in a nutrient-rich environment. They also thrive under carefully adjusted optimum light.

## **Harvest Phase**

The desired amount of produce is harvested, regardless of location and season. Customers receive fresh, nutrient-rich and high quality products.



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# CONTINUOUS IMPROVEMENT

The future of agriculture is shaped by innovative technologies and scientific developments. With our pioneering work in this field, we aim for the highest performance in agricultural production by prioritizing sustainability and efficiency.

**We Achieve Excellence with Continuous Development Philosophy**

**We Bring a New Breath to Agriculture with our Technology and Science Power**

**Targeting the Highest Performance in Agriculture**

Our vision in agricultural production is to reach the future with a technology and science-oriented approach based on sustainability and efficiency. In this way, we aim to maximize both our own prosperity and global food security.



A large image on the left side of the slide shows several levels of a vertical farm. Green leafy plants are growing in a structured metal frame. Three circular callouts provide closer views: the top one shows a close-up of a plant's stem and leaves; the middle one shows a close-up of a plant's leaves; the bottom one shows a perspective view of a long row of plants in a vertical farm aisle.

# Our Future Vision



The future of food lies in the sky, not under the ground. With our vertical agriculture solutions blended with artificial intelligence and bioscience, we are working to ensure that everyone has access to fresh, reliable and sustainable food. Our goal is to make the world a better place by contributing to the transformation of agriculture both locally and globally.



Criteria	AgriDL	AeroFarms	Plenty	Farming
Technology	Artificial Intelligence, Sensors, Led lighting, Hydroponics/Aeroponics	Led lighting, Aeroponics	Led lighting, Hydroponics	Led lighting, Hydroponics
Scale	Modular systems from small to large scale	Large-scale facilities	Large-scale facilities	Large-scale facilities
Product Diversity	Green leafy vegetables, herbs, microgreens, greens, some fruits	Green leafy vegetables, herbs, microgreens	Green leafy vegetables, herbs, fruits	Green leafy vegetables, herbs
Sustainability	90% water savings, minimal chemical use	95% water savings, minimal pesticides	99% water savings, no pesticides	95% water savings, no pesticides
Artificial Intelligence Integration	Advanced AI optimization, data analytics	Data-driven analytics	Artificial intelligence and data analytics	Artificial intelligence and data analytics
Installation and Operation Services	Consulting, installation, training, maintenance, data analysis	Consulting, installation	Consulting, installation	Consulting, installation
Marketing Strategy	Online platforms, B2B partnerships, local markets	B2B and B2C focused collaborations with major retailers	B2B and B2C focused collaborations with major retailers	B2B and B2C focused collaborations with major retailers
Business Model	Direct sale, lease and operation, joint ventures	Direct sales	Direct sales, leasing and operation	Direct sales, leasing and operation



# Investment **expectations**



FOR 5%  
SHARES

500.000  
USD

AREAS WHERE THE  
INVESTMENT WILL  
BE USED

R & D

MARKETING

HUMAN RESOURCES

EQUIPMENT PURCHASES



	1ST MONTH	2ND MONTH	3RD MONTH	4TH MONTH	5TH MONTH	6TH MONTH	7TH MONTH	8TH MONTH	9TH MONTH	10TH MONTH	11TH MONTH	12TH MONTH
<b>TOTAL CASH OUTFLOWS</b>	1.495.240	505360	505240	535480	535960	565720	565720	566440	565720	565720	514624	514312
<b>NET CASH FLOW</b>	-1.445.240	9444640	-455240	-105480	19694040	-85720	-415720	23583560	-415720	-415720	23560376	4810688
<b>PROFIT/LOSS BEFORE TAX</b>	-1.445.240	9444640	-455240	-105480	19694040	-85720	-415720	23583560	-415720	-415720	23560376	4810688
<b>TAX ( 25% )</b>	-361310	2361160	-113810	-26370	4923510	-21430	-103930	5895890	-103930	-103930	5890094	1202672
<b>NET PROFIT/LOSS</b>	-\$1.083.930.00	7083480	-341430	-79110	14770530	-64290	-311790	17687670	-311790	-311790	17670282	3608016



**FIRST YEAR PROFIT** \$58.315.798

**SECOND YEAR PROFIT** \$185.520.000

**THIRD YEAR PROFIT** \$300.000.000





**With AgriDL**  
**We offer the miracles of nature with scientific rigor.**  
**We contribute to a sustainable future.**  
**We open the doors to a healthy life.**

We would be happy to see you with us on this journey.  
Invest in the future with our innovative agricultural technologies and join us for a sustainable world..



**Contact us for more information.**  
**Visit our website: [agridl.com.tr](http://agridl.com.tr)**  
**Contact us at our Gmail address: [agridl5.0@agridl.com](mailto:agridl5.0@agridl.com)**  
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AGRIVERSAI

# Our Team



**Ozan DEMİR**  
CEO



**Cem PESEN**  
COO



**Serhat Çağatay ATALAR**  
PRODUCT MANAGER



**Mustafa YILDIZ**  
FULL STACK DEVELOPER



**Naci KAYSI**  
FULL STACK DEVELOPER



**Şeyma BOZKURT**  
TECH LEAD





AGRIVERSAI

# Our Team



**Mehmet KUTAN**

ARTIFICIAL INTELLIGENCE ENGINEER



**Deniz EVLİYAOĞLU**

BACKEND DEVELOPER



**Mustafa PESEN**

ARTIFICIAL INTELLIGENCE ENGINEER



**Enes SAYGI**

AGRICULTURE R&D OFFICER



**Atahan BALLAR**

DIGITAL CONTENT EDITOR



**Y.Emre MANAP**

3D PRODUCTION ENGINEER





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# Our Team



**Hakan AŞAN**  
AGRICULTURE LEADER



**Sefa GEYİK**  
OPERATION MANAGER



**Zeynep ÖZTÜRK**  
COORDINATOR



**Berna ÖLKE**  
TEST ENGINEER



**Emre GÖNEN**  
ARTIFICIAL INTELLIGENCE ENGINEER



**Onur ERDOĞAN**  
CYBER SECURITY





AGRIVERSAI

# Our Team



**Başak BEKAROĞLU**

BRAND MANAGER



**Cansu AKSÜT**

NATURAL PRODUCT CHEMISTRY



We would be happy to see you with us on this journey. Invest in the future with our innovative agricultural technologies and join us for a sustainable world..