A Greek smart tech company offers a precision livestock farming solution that can significantly improve sheep and goats' productivity and health monitoring.

Summary

Profile type
Technology offer

Company's country
Greece

POD reference
TOGR20250311004

Profile status
PUBLISHED

Type of partnership
Research and development cooperation agreement
Commercial agreement with technical assistance
Investment agreement

Targeted countries
- **Spain**
- **Romania**
- **Italy**
- **Türkiye**
- **Netherlands**
- **Bulgaria**
- **Cyprus**
- **France**

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Term of validity
11 Mar 2025
11 Mar 2026

Last update
11 Mar 2025

General Information

Short summary

A Greek smart tech company has developed an AI-based solution to enhance goat farming productivity and animal welfare. The system uses AI for health monitoring, optimized feeding, and breeding efficiency, offering real-time insights for data-driven decisions. The company seeks partners for research cooperation, adoption under a commercial agreement with technical assistance, or investment to scale up.

Full description

A Greek innovator has developed a cutting-edge Precision Livestock Farming (PLF) solution to optimize herd productivity, enhance animal welfare, and streamline farm management through real-time insights and data-driven decision-making. Using sensors, artificial intelligence (AI), and cloud computing, the technology revolutionizes small

ruminant farming efficiency and sustainability.

Traditional sheep and goat herd management faces multiple challenges:
- Difficulty in early disease detection
- Complex productivity assessment
- High labor demands
- Environmental adaptation needs
- Limited access to real-time data

The technology's core consists of sensors and AI-driven analytics working together to monitor livestock health, productivity, and farm conditions through:

Data collection via advanced sensors monitoring:
- Animal behavior and movement
- Health indicators (temperature, heart rate, rumination)
- Environmental conditions
- Nutritional patterns

Data transmission:
- Automatic cloud transmission via wireless connectivity
- Elimination of manual entry and human error

Data processing and analysis:
- AI-driven algorithms process raw data
- Detection of patterns, anomalies, and trends
- Health, productivity, and environmental monitoring

Smart alerts and recommendations through user-friendly application:
- Early disease warnings
- Nutritional adjustment guidance
- Reproductive cycle insights
- Environmental optimization suggestions

The company seeks the following partnerships:

Commercial agreement with technical assistance:
- Farmers and cooperatives to:
- Adopt the technology
- Act as demonstrators
- Provide performance feedback
- SMEs to integrate the technology with existing agro-tech solutions

Investment Agreement:
- Large companies/industry leaders for market expansion

The technology offers comprehensive solutions for modern livestock management challenges, combining cutting-edge technology with practical applications to revolutionize the agricultural sector. Through strategic partnerships, the company aims to expand its reach and enhance its capabilities, contributing to the advancement of sustainable and efficient farming practices.

Advantages and innovations

1. Access to cutting-edge PLF technology
Partners will gain firsthand access to one of the most advanced livestock monitoring systems, improving their operational efficiency and decision-making.

2. Production increase
Systematically recording and analyzing milk yield data enables better nutrition management and a more targeted genetic improvement plan, leading to increased milk production.

3. Animal Welfare & sustainability
The effective use of early disease diagnosis' data through technology can help minimize production losses, protect animal health, significantly reduce morbidity within a flock, thus aligning with global sustainability goals.

4. Management Efficiency
The use of electronic monitoring technologies reduces flock management time, increasing work efficiency by up to 15%. Additionally, through data analysis and better adaptation of the nutritional plan, feed costs can be reduced by up to 10%.

5. Environmental Footprint
Optimizing resource use through Precision Livestock Farming technologies helps reduce methane emissions by 8-12% and allows for a reduction in resource waste by up to 15%.

Technical specification or expertise sought

Stage of development

Under development

Sustainable Development goals

- **Goal 17: Partnerships to achieve the Goal**
- **Goal 15: Life on Land**
- **Goal 12: Responsible Consumption and Production**
- **Goal 2: Zero Hunger**
- **Goal 8: Decent Work and Economic Growth**

IPR Status

Secret know-how

IPR Notes

IPR Notes

Partner Sought

Expected role of the partner

The Greek company is seeking strategic partners across various sectors to adopt and integrate their cutting-edge Precision Livestock Farming (PLF) technology. More specifically, they wish to collaborate with stakeholders that can leverage this innovation to enhance livestock management, optimize productivity, and advance data-driven decision-making in sheep and goat farming. They welcome partnerships with farmers, cooperatives, SMEs, large enterprises, universities, and research institutions, each playing a crucial role in maximizing the impact of the offered technology.

Potential partner roles in the context of a commercial agreement with technical assistance, an investment agreement, or a research cooperation agreement:

1. Farmers & cooperatives
- Adopt the offered technology to monitor livestock health, improve productivity, and streamline farm operations.
- Provide real-world feedback on system performance and usability to refine the technology further.
- Act as demonstration farms or reference sites for potential adopters in the agricultural community.

2. Large companies & industry leaders
- Invest in scaling the offered technology for broader market penetration and commercial deployment.
- Explore opportunities for integrating our technology with existing farm management systems and agribusiness platforms.
- Collaborate on expanding applications beyond small ruminants, adapting the technology for larger livestock operations.

3. Universities & research institutions
- Conduct field trials and validation studies to assess and improve the offered technology's accuracy and effectiveness.
- Develop advanced algorithms and AI-driven models for enhanced livestock analytics.
- Partner in R&D projects to further innovate in areas like animal behavior analysis, disease prediction, and genetic optimization.

Type of partnership

Type and size of the partner

Research and development cooperation agreement

Commercial agreement with technical assistance

Investment agreement

- **University**
- **SME 11-49**
- **SME 50 - 249**
- **Big company**
- **R&D Institution**
- **Other**
- **SME <=10**

Dissemination

Technology keywords

- **07001009 - Veterinary Medicine**
- **07001002 - Animal Production / Husbandry**
- **01004017 - Work Hygiene and Safety Management**

Market keywords

- **09005 - Agriculture, Forestry, Fishing, Animal Husbandry & Related Products**

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Sector groups involved

- **Digital**
- **Agri-Food**