VineEagle

Less Guesswork. More Harvest. Zero Effort.

Problem

Traditional vineyard monitoring is unreliable
and not precise

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Drone monitoring

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Drone monitoring is not cost-effective and requires tech knowledge

Problem

Traditional human vineyard monitoring

Late disease detection - disease becomes visible about 10 days after infection. A 10-day delay in treatment can lead to 30% losses

No precision - preventive mass spraying is expensive and toxic for environment and grapes. Additionally, it causes resistance

Time consuming and needs expensive workforce

Drone monitoring

Profitable only for very large vineyards (25ha +)

Requires technical skills for drone handling and data analysis - Expensive technical staff is needed

Regular monitoring is rarely feasable

Introducing VineEagle

Autonomous subscription based drone monitoring

Precision monitoring and early disease detection comes to small and mid size vineyards

Workforce can focus on solving problems rather than searching for them

No need for tech knowledge - agriculturist won’t ever interact with drone. They will regularly receive clear and actionable reports with todo tasks

How it works

1

Applications are received through web platform

2

When there are enough applicants we deploy our system to their region

3

Initial and any new clients subscribe on monthly level

4

Drone regularly scans all vineyards and material is analysed

5

Clients receive regular reports with clear and actionable info and tasks

Research on validation and profitability

Research done in collaboration with *The Association of Winemakers and Winegrowers of Serbia*

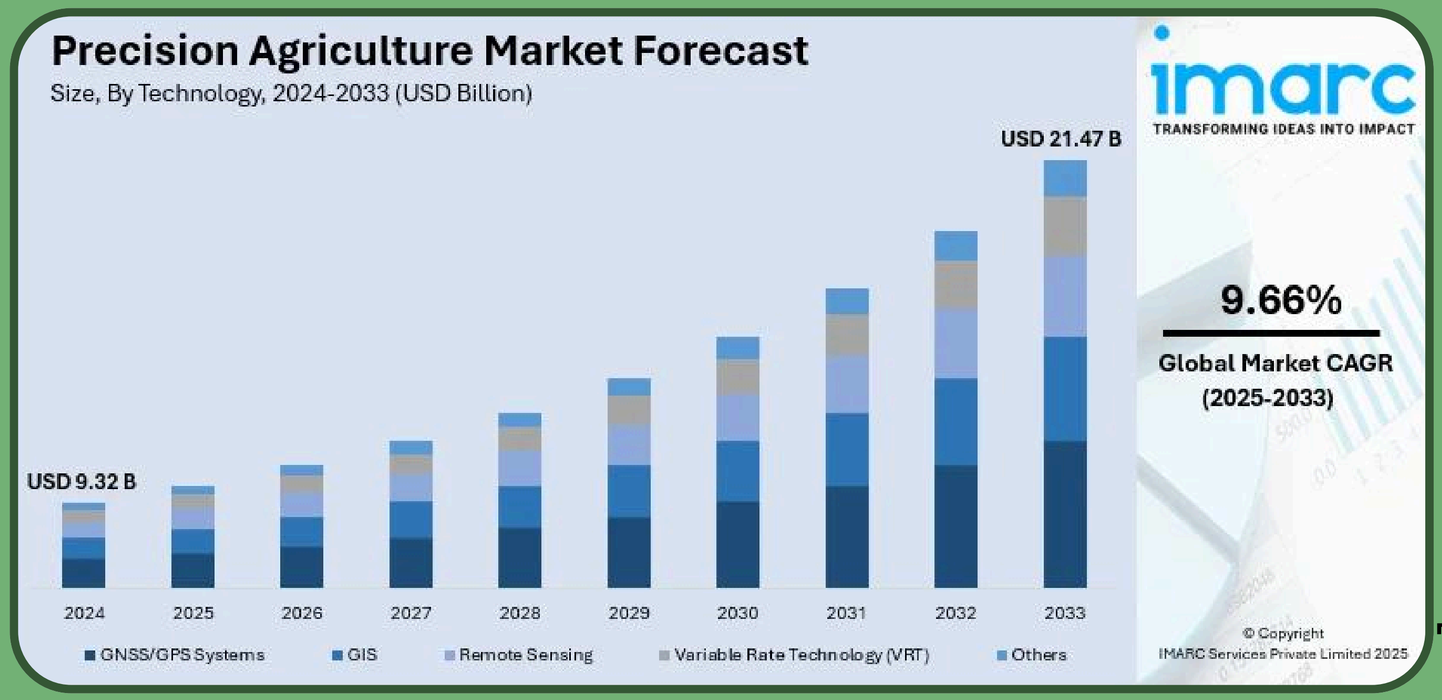
Key Findings:

- VineEagle reduces inspection costs by **6.5x** while delivering more accurate results
- To reach profitability, we need just **15** hectares per region
- Strong local networks among viticulturists enable fast expansion through referrals
- Referrals = more clients = lower price for everyone
- **92%** of viticulturists want to modernize vineyard operations
- Main barriers to drone adoption: **cost-effectiveness** and **technical complexity** — both solved by VineEagle

Market

- TAM: 7.4 million hectares of vineyards globally
- 3.2 million hectares in Europe — our initial focus
- Over 500,000 viticulturists in Europe alone
- Average vineyard size in target markets: 5–15 ha
- €2B+ spent annually on vineyard monitoring and disease management
- Rising demand for precision agriculture and sustainability tools

VineEagle targets small and mid-sized vineyards underserved by existing drone solutions.



Team

Miloš Mladenović

Head of Strategy & Product

Experienced startup founder and product developer with a background in software engineering and multiple awards in science, programming and innovation.

Nikola Marković

Head of Software Engineering

Computer engineering student with broad technical expertise in systems design, mobile, desktop and web development, and strong hands-on experience through project-based work.

Ivan Majer

Head of Research & Development

Software engineering student with a strong foundation in computer science. Graduate of cryptography training. Algorithmic problem solver and competitive programmer, with growing focus on machine learning.

Stefan Rukavina

Head of Operations & Deployment

Technically versatile software engineering student with proven problem-solving ability, solid organizational skills, and a practical mindset for bridging software with real-world deployment.

Get in touch

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