



OENOU YI



Smart Farming
Project: Ploutos
Sustainable
Innovation Pilot 7



Oenou Yi Winery

Country
Cyprus

Introductions

Oenou Yi Winery was founded in 2017.

The winery is a family-owned enterprise located in Omodos, Cyprus. It specializes in wines made from indigenous Cypriot grape varieties and combines traditional viticulture with modern technology.

The winery's main aim is to produce fine wines for the demanding domestic and international public, highlighting Cypriot wine and simultaneously making the winery space a living cultural lung for the surrounding area and the whole of the island.

Today, on the vineyard dominated slopes of the area, up to the peak of Laona at an altitude of 800 metres and Afamis at 1,060 metres, Oenou Yi Winery keeps the tradition of Mediterranean vineyard alive. They adopted the **gaiasense smart farming system**.



Your Current Skills

People working for us combine **traditional viticulture expertise** with a growing set of **digital and sustainability-related skills**.

They use sensors, weather data, and decision-support tools to optimize irrigation and crop protection, reduce environmental impacts, improve efficiency, and communicate sustainability information to consumers through digital traceability systems.



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Describe how you currently use Technology

The project used these smart solutions:

- Weather monitoring stations
- Soil and environmental sensors
- Disease and pest forecasting models
- Irrigation and crop-management decision support tools
- Digital wine labels providing consumers with sustainability and traceability



Top Tip

Start small with practical digital tools (e.g., irrigation alerts and sensor dashboards) and gradually build staff confidence before introducing more advanced technologies like AI and precision mapping.



Outline challenges and Opportunities for Upskilling?

The gaisense platform continuously collected field data and provided recommendations on irrigation timing, plant protection measures, and vineyard management practices.

Workers at Oenou Yi could further upskill in data analytics, AI, precision agriculture, climate-smart farming, digital traceability, and digital marketing.



Recommendations?

Strengthen the farm's capacity for data-driven and climate-smart decision-making through continuous digital upskilling.

What are your current and future training needs?



Training needs:

Basic data analytics and interpretation of farm sensor data

Precision agriculture tools (e.g., drones, GIS, and smart irrigation systems)

Digital marketing and traceability systems for value-added product communication

