

What you need to know

Sigint solutions Ltd, is a innovative company in the field of telecommunications that develops state of the art technology.

As part of the Integrated Research Project 3PRO-TROODOS, Sigint Solutions Developed ARGUS: a complete Environmental monitoring or observation system that can collect and display information in real time.

Argus consists of series of loggers and an online platform.. The loggers can take any number of sensors according to the needs of the farmer, The online platform records and processes all the data, and has an easy to use interface that displays live or historical data.

Argus Agro has been created especially for use in smart agriculture. Since direct monitoring is now possible, irrigation and fertilization can be optimized, and environmental conditions like frost or heat can be predicted, protecting the production and reducing costs.

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The 3PRO-TROODOS program (INTEGRATED/0609/061) is co-financed by the European Regional Development Fund and the Cypriot Democracy through the Research and innovation foundation, and is coordinated by the Cyprus Institute.

The 3PRO-TROODOS Project, 'Active Networks of Producers and Processors for Mountain Agriculture in Troodos,' aims to enhance agricultural production and food processing in the Troodos region through social innovation, sustainable management of natural resources, and adaptation to climate change. As part of this project, various agricultural innovations and technologies are being implemented, including sensor-based irrigation scheduling with online tools.

ARGUS AGRO



SIGINT

THE CYPRUS
INSTITUTE
RESEARCH • TECHNOLOGY • INNOVATION



3PRO-TROODOS



European Union
European Structural
and Investment Funds



Republic of Cyprus



Διαρθρωτικά Ταμεία
της Ευρωπαϊκής Ένωσης στην Κύπρο

SMART FARMING WITH ARGUS AGRO

Multi-sensor logger for continuous data recording which provides economical and efficient access to smart farming.



Advantages

- ✓ Early warning for weather phenomena (frost, heat etc.) and illnesses.
- ✓ Reduction in production costs (control irrigation, fertilization, sprays)
- ✓ Increase in production quantity
- ✓ Improving quality

Specifications

- ✓ Connects via Wi-Fi or mobile networks and transfers data to cloud
- ✓ Over the air software upgrades
- ✓ Charging with solar panel for autonomous mode
- ✓ Waterproof and dustproof IP66 housing

Compatible Sensors

-  Soil / Air Moisture
-  Ground / Air Temperature
-  Brightness
-  Air / Water Quality
-  Leaks
-  Position / Status
-  Wind / Precipitation Data

Online data monitoring

- ✓ Track data from any smart device or computer
- ✓ Record and retrieve historical data on an online platform
- ✓ Creation of post processing algorithms that can raise alarms for immediate and timely information to critical conditions

