

SynField*



SYNELIXIS SOLUTIONS LTD.

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**THE PERFECT CHOICE
FOR ACCURATE, REAL-TIME
MONITORING APPLICATIONS**

SynField*

**HIGHLY EXTENSIBLE
AND CUSTOMIZABLE
DATA ACQUISITION
SOLUTION**

Partners & Indicative Customers



ΓΕΩΠΟΝΙΚΟ
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OF ATHENS



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THESSALY



INTERBALKAN
ENVIRONMENT
CENTER



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KDHP
TEA INDIA

VISIT OUR WEBSITE

<http://www.synelixis.com/synfield>

Or send us an e-mail:

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SYNELIXIS

Unique advantages

SynField is Synelixis' new and flexible solution for accurate data acquisition and real-time monitoring, suitable for any application domain.

With SynField, you are able to:



Connect any type of sensor and actuator, irrespective of the manufacturer.



Cover large geographical areas by easily defining a wireless mesh network.



Send collected data to remote servers via GPRS or WIFI connection.



Store data or files (images) in SD memory card.



Manage data logger via Bluetooth connectivity.



Operate autonomously via rechargeable batteries and solar panel.

The advantages of SynField combined with Synelixis' services offer unique integrated solutions for every application.

Value added Services

Apart from offering SynField data logger as a stand-alone solution, Synelixis offers several services as integrated solutions for precision agriculture, crop disease prediction and irrigation management applications:



Cloud-based, persistent storage of monitoring data.



Friendly user interfaces for accessing monitored data via laptop, smartphone, and tablet devices.

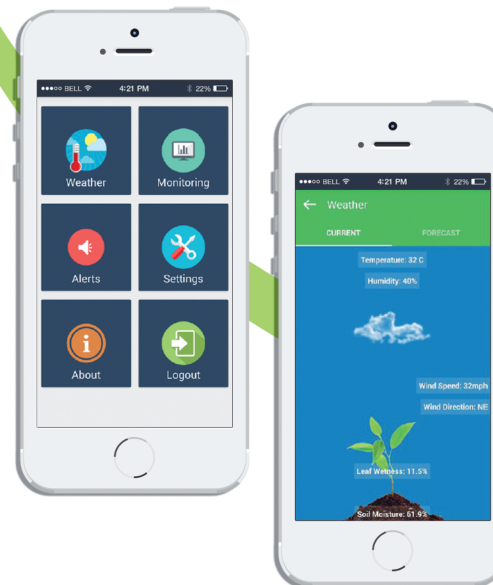


Personalized rule-based, alerting service for plant disease prediction management via email and/or SMS.



Customized farm irrigation management by integrating valve solenoids.

Based on their flexible design, Synelixis back-end and front-end software modules can be easily extended by Synelixis or your company to support any other application.



Technical Specifications

Analog inputs	6 x single-ended Voltage, Resistance, Current
Digital inputs	4 x pulse-counters 2 x I2C 1 x serial 1 x SDI-12
Input ranges	3V, 5V
Excitation voltages	3.3V, 5V, 9V, 12V
Digital Outputs	Up to 4
Output Voltage	9V, 12V (up to 2A pulses)
Operating temperature	-40°C to +60°C
Supply voltage	5-6V DC (PV panel or DC)
Built-in battery	3.7V LiPo, 4.4Ah
Communication Interfaces	GPRS, WiFi, LoRa, Bluetooth
Wireless network	Up to 4 nodes
Memory	4GB SD-card (included)
Environmental protection	IP65
Mounting	Mounting bracket for poles
Dimensions	180x120x60mm

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