

SynOdos

WIRELESS PERIPHERAL NODE

SYNELIXIS^{*}

2023



SynOdos

With many years of experience in automation, information technology and precision agriculture, **Synelixis** presents the wireless peripheral node **SynOdos**.

SynOdos is **Synelixis** innovative solution, extending the capabilities of the **SynField** precision agriculture system.

SynOdos is a wireless peripheral monitoring and control device which **connects wirelessly** to a SynField head-node, providing efficient and cost-effective coverage of large cultivations.



How it works

The SynOdos peripheral node connects **wirelessly** to a SynField X5 head node that acts as a gateway for the SynOdos device. The wireless interconnection can reach up to 3 km!

The device can support up to **2 sensors** and up to **2 actuators** offering almost real-time control of valves, relays and automations using advanced, user-defined rules.

SynOdos is an energy autonomous device with built-in solar panel and high-capacity rechargeable battery.



Remote Control & Monitoring

2

2 Sensors & 2 Actuators



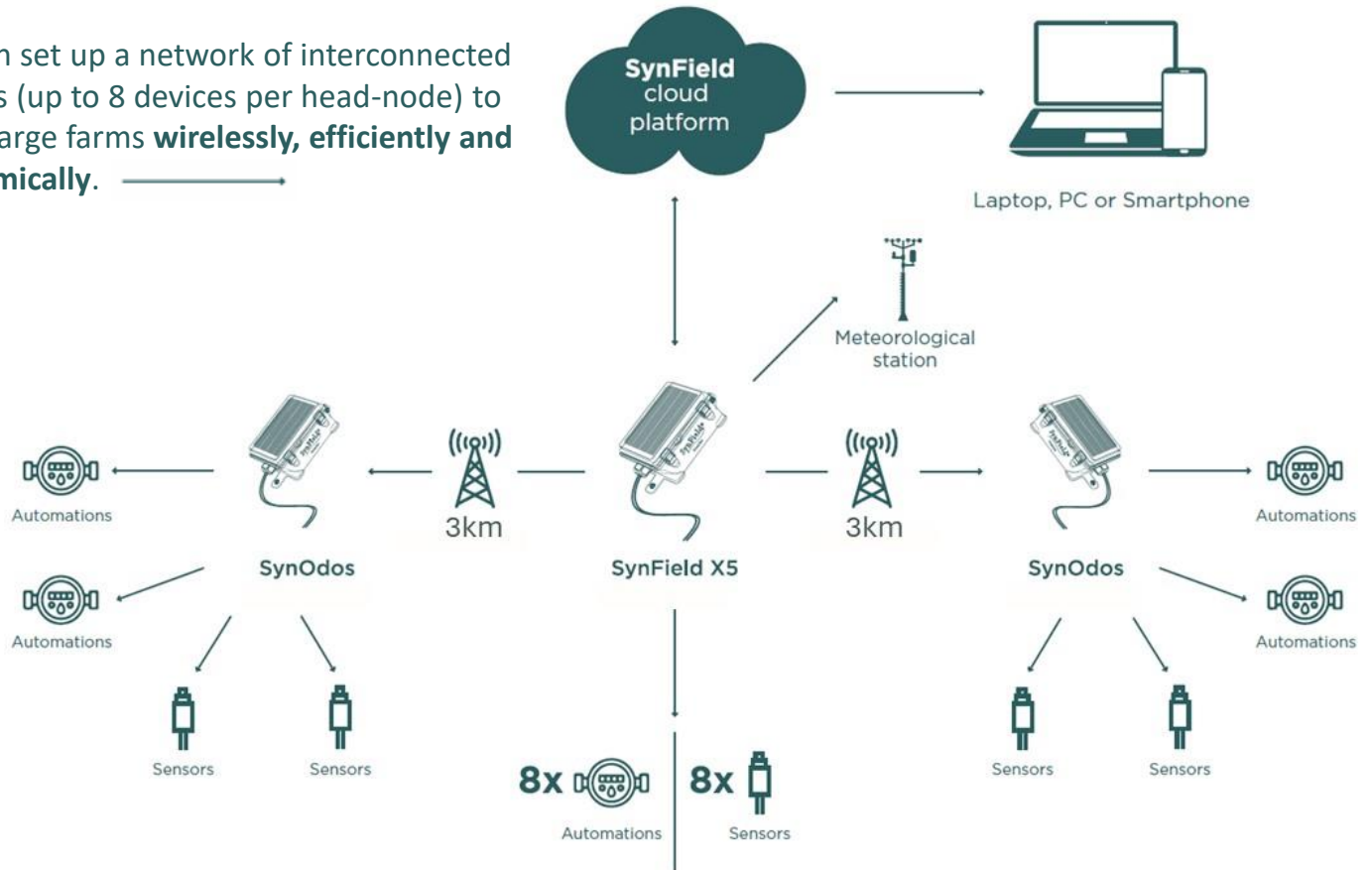
Wireless Interconnection up to 3km!



Energy Autonomous Device



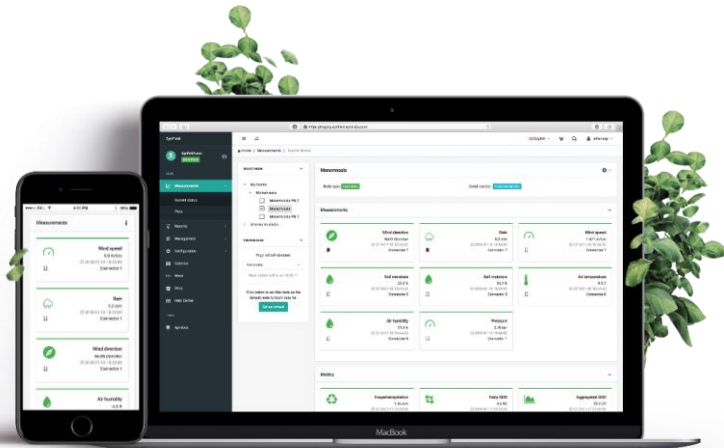
You can set up a network of interconnected devices (up to 8 devices per head-node) to cover large farms **wirelessly, efficiently and economically.**



The SynField Cloud platform

The SynOdos device periodically collects sensor data and forwards them to the SynField cloud platform via the LoRa interconnection. The SynField platform allows the user to remotely monitor various environmental and soil parameters in the field and to operate actuators. It also provides statistics, graphs and analyses, along with features like calendar and event list.

Through the platform you can set **alerts** so that you are automatically **notified** in case any of the criteria you set are met.



**Monitor and Control your crop
24/7 from your computer or
mobile device, wherever you
are.**

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