

ThingPark IoT Solutions



Greenhouse Temperature Monitoring

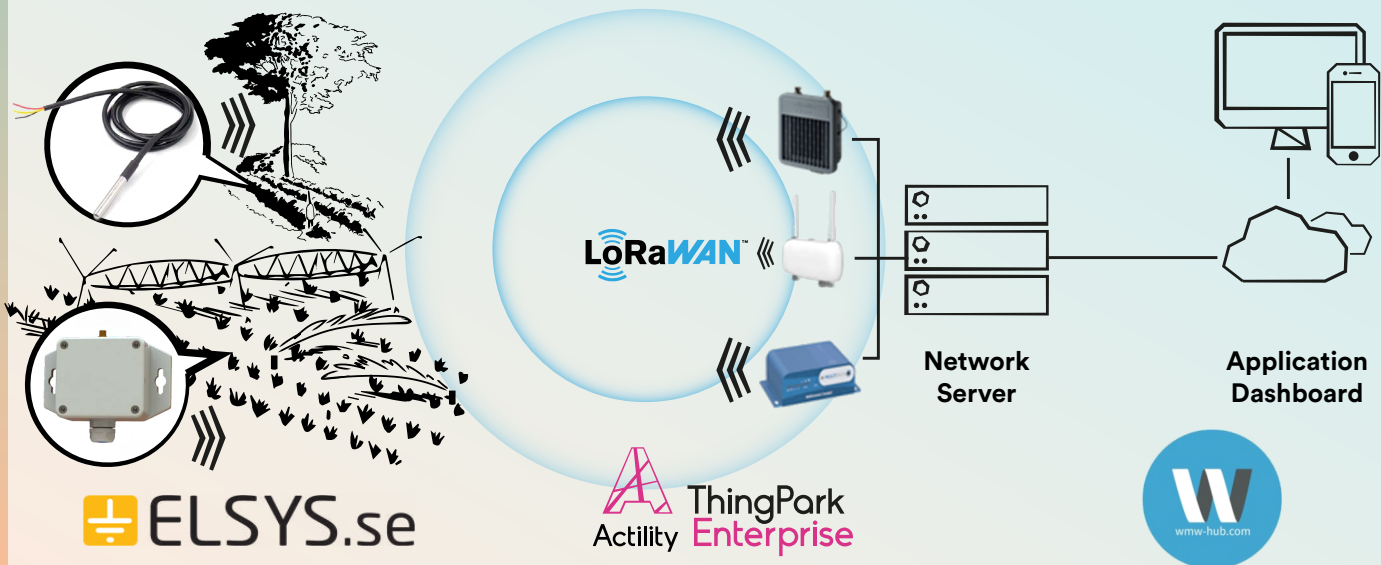
The turnkey IoT solution to monitor greenhouses to prevent cultivation from being damaged when the temperature is out of range.

The ability to diagnose and solve various issues throughout the greenhouse is crucial to a successful crop cycle. Agriculture Industrial leaders are worried they don't have a solution to control environmental problems. Potential temperature problems exist that must be monitored and proactively addressed. Losing control of the environment can lead to cultivation worries ranging from poor airflow to extreme temperatures. The Actility IoT starter kit provides you with the required hardware and software to assess a greenhouse management solution.

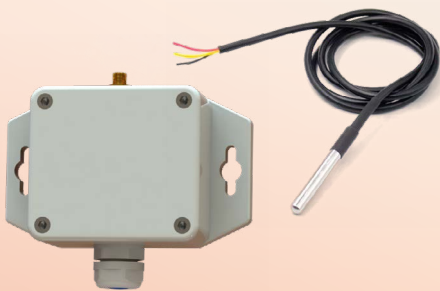


Actility

Avoid temperature failures in your greenhouses with automated temperature monitoring solution:



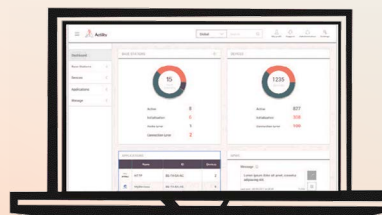
Elsys ELT Lite



Description:

ELT Lite is a general LoRaWAN® device for measuring analog or digital signals. It is a 1-channel GPIO wireless transceiver and can also provide power to external sensors. ELT Lite is enclosed in an IP67 box and is designed to be **mounted outside, with remarkably long range**. The external probe reports temperature readings through the ELT-Lite device.

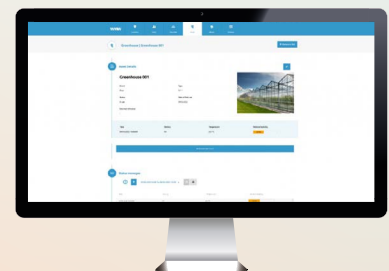
ThingPark Enterprise LoRaWAN® connectivity infrastructure by Activity



Description:

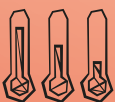
Dependable connectivity infrastructure with a proficient UX to easily build a LoRaWAN® network, Cloud-based or On Premises, using pre-integrated high-end Base Stations & an advanced Activity Network Server with dashboards providing key operational insights on the network & alarm management.

WMW Hub Application for data processing and analysis



Description:

Intuitive web and mobile application with all the essential built-in features to monitor greenhouse temperature, with real-time message updates. The application can be combined with additional +180 different ones to create a full industrial monitoring suite.



Improve safety and maximize your yields by monitoring temperature and humidity thresholds.



Act quickly on temperature issues to avoid waste and achieve global costs savings with an easy-to-install and operate solution.



Keep track of logs and access to data history, define and measure service targets to be achieved using key performance indicators (KPI).



Key features:



Actionable Dashboard with Instant Alerts: Real-time monitoring, measuring, recording, and alerting on temperature readings, with meaningful insights to make data-driven decisions.



Flexibility and process autonomy: The application allows visualizing, editing and adding customized notification conditions and rules for immediate data processing. Set sensor reading threshold and configure alert settings as per your business requirements.



Low-Power: Leverage LoRaWAN® technology, optimize assets energy consumption and lower your operational costs



Easy usage: Available as on-premises & cloud-based application. Manage your installation from one single application dashboard with easy accessibility, usability, management & control.



Data-driven management - Data is continuously ingested and analyzed to provide relevant reports and alerts, making sure to drive your maintenance operations based on data.

Use cases:

The smart greenhouse solution creates a self-regulating, microclimate suitable for plant growth using sensors, and monitoring and control systems that optimize growth conditions and automate the growing process. This end-to-end IoT Solution requires zero infra, zero cabling, and zero configuration.



Build your IoT Solution with us!

Get your starter kit on ThingPark Market, or contact Actility to learn more

