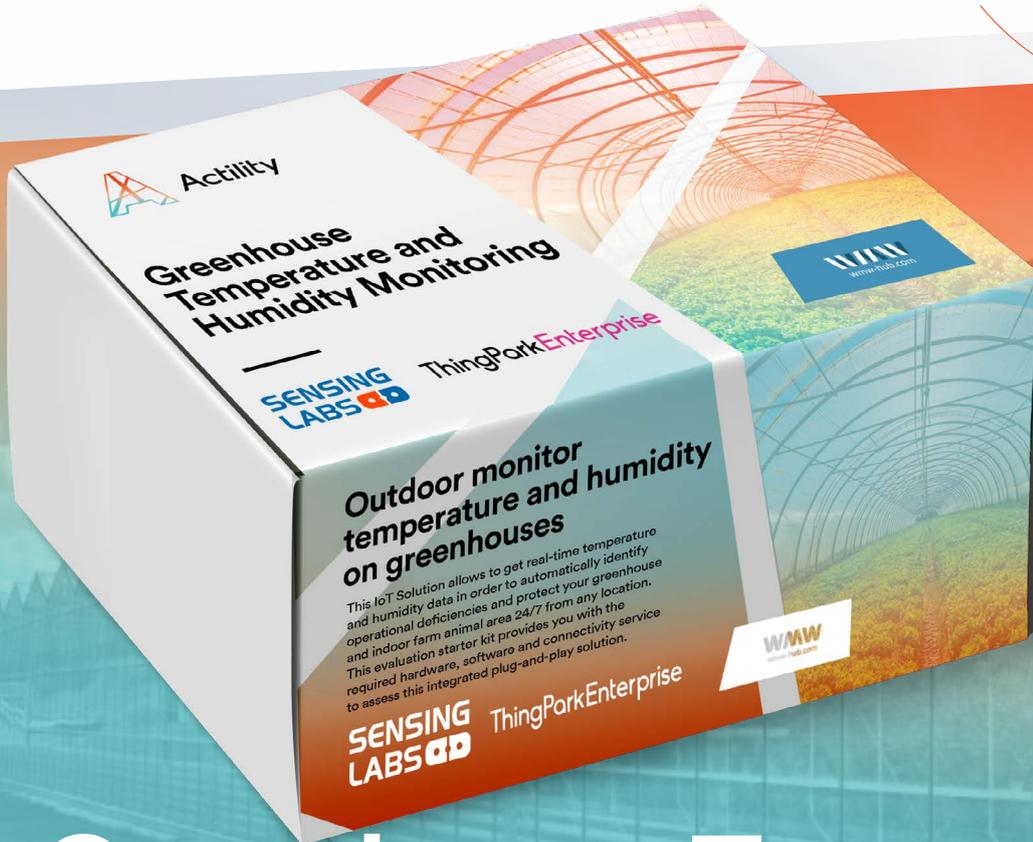# ThingPark IoT Solutions

Greenhouse Temperature and Humidity Monitoring

The turnkey IoT solution to monitor greenhouses and indoor farms and prevent cultivation from being damaged when the temperature or relative humidity is out of range.

This IoT Solution allows to get real-time temperature and humidity data in order to automatically identify operational deficiencies and protect your greenhouse and indoor farm animal area 24/7 from any location. This evaluation starter kit provides you with the required hardware, software and connectivity service to assess this integrated plug-and-play solution.

SENSING LABS   wmw-hub.com   Actility

Avoid farming failures in your agricultural facilities with automated temperature and humidity monitoring using LoRaWAN®:

SENSING LABS

ThingPark Enterprise by Actility

W wmw-hub.com
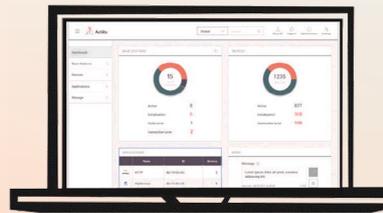
Network Server

Application Dashboard

SenLab Indoor Temperature and Humidity Sensor

Description:

This sensor connected to a 0,5m probe can measure temperatures from -40°C to +125°C and air humidity from 0 to 80%, with an accuracy of ±0,2°C and 2% RH. Designed for outdoor use, Senlab™ H offers a ruggedized IP68 casing that enables reliable wireless connectivity for continuous monitoring in harsh environments.

ThingPark Enterprise LoRaWAN® connectivity infrastructure by Actility

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 Actility Network Server with dashboards providing key operational insights on the network & alarm management.

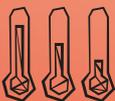## WMW Hub Application for data processing and analysis

Description:

WMW offers an applicative dashboard that lets a user visualize and take actions based on collected data. Its primary intention is to provide information about greenhouses and indoor animal farming temperatures. This version of WMW offers diverse features such as device management, temperature monitoring, historical temperature data, and a ruling system to set and receive alarms.

Maximize your yields by preventing unnecessary losses by monitoring temperature and humidity thresholds using long-range and wireless technology.

Act quickly on temperature and humidity issues and achieve global costs savings with an easy-to-install and operate solution.
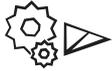
Keep track of logs and access to data history, define and measure service targets to be achieved using key performance indicators (KPIs).

Key features:

Actionable Dashboard with Instant Alerts: With high accuracy reading as ±0,2°C and 2% RH, it provides immediate alerts if any temperature and humidity conditions are out of their optimal range, so you can maximize your crop yields and farm exploitations.

Flexibility and process autonomy: The application allows to visualize, edit and add 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:

This end-to-end IoT Solution requires zero infra, zero cabling, and zero configuration. The interior of a greenhouse exposed to sunlight is significantly warmer than the external temperature, protecting its plants from extreme conditions is an essential condition. Keeping plants in your greenhouse alive and healthy requires an optimal growing environment. Protect your indoor farm animals by enabling a monitoring system that helps farmers to keep a check on their farm animals remotely from sudden temperature and humidity changes.

Build your IoT Solution with us!

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

ThingPark Market

www.actility.com