

30MHz Smart Sensing Toolkit

Deployable in minutes by anyone on any device



Any sensors

Modular and customisable industry-grade sensors capture any metric, even from the most hard to reach places*

DigiMesh 868MHz

Makes any sensor wireless and meshes sensors together

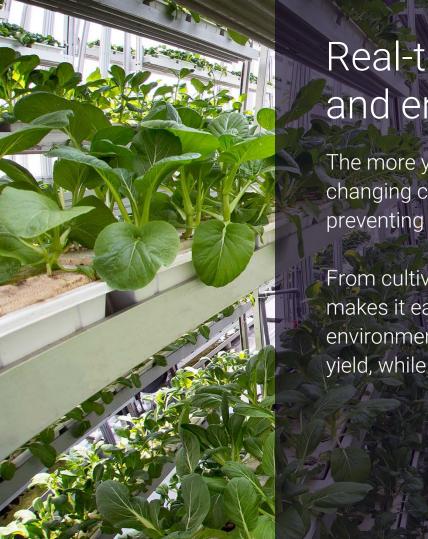
Gateway

Collects sensor data and connects the internet to the sensor network

ZENSIE Dashboard

Analytics, alerts and your real-time data. Works on any device, mobile, tablet or desktop





Real-time insights on your crops and environment

The more you know, the better (and faster) you can respond to changing circumstances, optimising operations and preventing unnecessary loss.

From cultivation to storage, processing and transport, 30MHz makes it easy for growers to turn data on their crops and environments into better decisions, improving and increasing yield, while reducing costs.

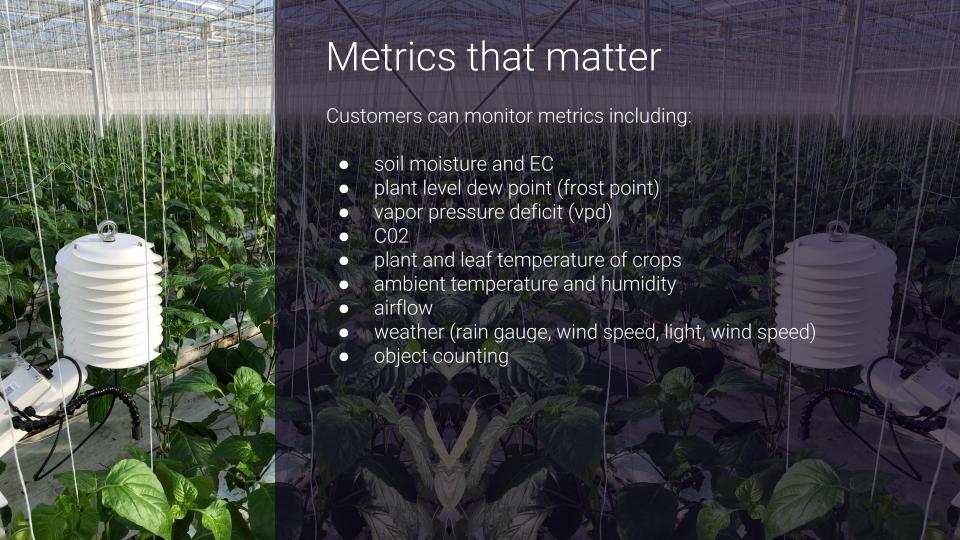
30MHz wireless sensor portfolio





- Pointed Microclimate sensor
- Substrate moisture sensor
- Potted/Arable/Substrate Soil Moisture sensor
- Wind Speed/Direction sensor
- PT 100, 500, 1000
- Temperature Humidity sensor
- CO2 Sensor
- Photosynthetically Active Radiation sensor
- Airflow sensor (0-20 m/s & 0-2 m/s)
- Object Counter
- Passive Infrared sensor
- Vibration sensor
- People Counter
- Magneto sensor





ZENSIE - The data platform for agriculture





Share sensor insights

Share data from your sensors with third parties.

Dashboard social sharing lets your individuals outside your organization (like partners, customers or advisors) observe changing conditions in your environment in real-time.

All your data on a single dashboard

See all your data points, from sensors to climate computers, in context on the user friendly ZENSIE dashboard.



Notifications

Set up custom notifications when sensor values cross certain thresholds, get alerts on uptime and connectivity, and stay up to date on each device's battery life in real-time with alerts via email, sms and pop-ups in the ZENSIE dashboard.

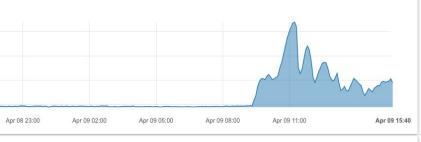


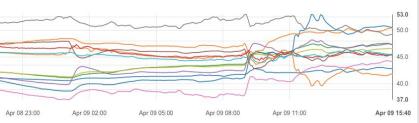


Animated heatmaps

Used in combination with the image upload feature, heat maps generate color-coded visualizations of sensor value concentrations, sensor locations or signal strength across

photographs, diagrams or maps.





A modern, powerful API

Connect data across technologies and see your insights in context. Use the ZENSIE API to bring data captured by your wireless sensors to external applications, or ingest third-party data into the ZENSIE dashboard.

Image upload

Make sensor measurements tangible by plotting sensor values onto your choice of images. Visualize sensor readings on maps, diagrams, or photographs.



Control measuring frequency and billing

Pay only for the measurements you need, by adjusting how you measure with changing contexts. Switch measuring frequency, or pause sensors when you aren't using them.

Export data

Data is a valuable asset, and we make sure you have full control over who accesses it.

Customers are sole proprietors of their sensor data, and can easily download it in CSV.

Check your uptime

IThe dashboard shows per sensor if it has been connected to your gateway 100% of the time. This let's you decide to what extend the data is valuable enough for your strategy.

Compare locations

Track environments across the globe in a single dashboard. Create custom reports and visualizations based on location, or set one space as a benchmark for comparison.



Customer stories



























"With 30MHz technology, we've started monitoring the temperature of cucumbers— observing how quickly they warm up, and whether temperature falls below dew point. We track these metrics to prevent sunscald and mycosphaerella. In fact, after the first week of sensing, we realized that our tube settings were quite good, and our cucumbers did not have excessive moisture. We also saw an opportunity to lower temperatures and save energy."

> Peter van Ninhuys, Cultivation Manager Van Lipzig Tuinderijen







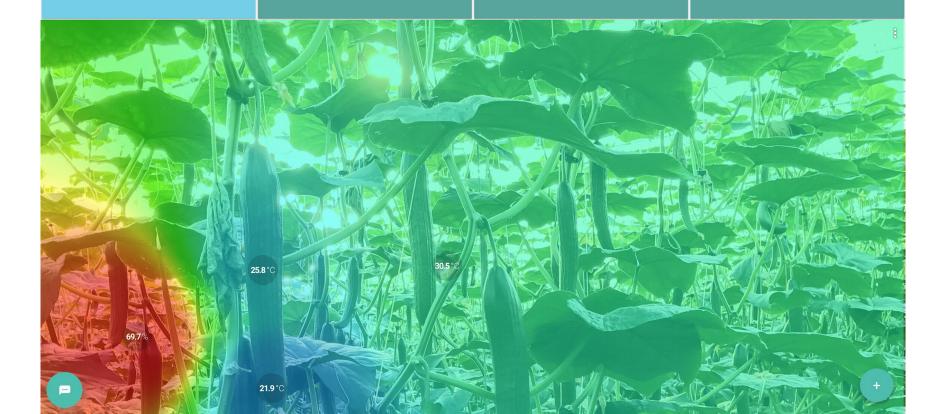
Dashboard

25.8 °C

Û, **30.5** °C

60.2 %

Î, **21.9** °C





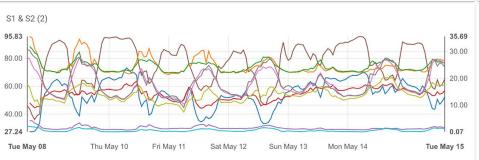
"Based on pointed temperature sensor data just days after deployment, we had insights that helped us optimise ventilation in our greenhouse to minimise moisture. Managing dew point can be a challenge, because our ambient reading can sometimes differ drastically from our crop-level measurement (ex: 70 vs. 95 RV). It's interesting to see how drastically we can shorten our leaf-wetting period with the dew point sensor. I'm very happy with the product and look forward to measuring further."

> Matthijs Woestenburg Plantenkwekerij Gitzels





ZENSIE - 30MHz -





"Using the technology developed by 30MHz means that we get so much insight into the temperature of our peppers during the growth phase, and can adjust the greenhouse climate and the inputs we use accordingly. This has enabled us to continually improve the quality of our produce while cutting energy costs, and is expected to save us up to 5 percent per year in energy costs."

Sander Berkers, Manager Kwekerij Moors



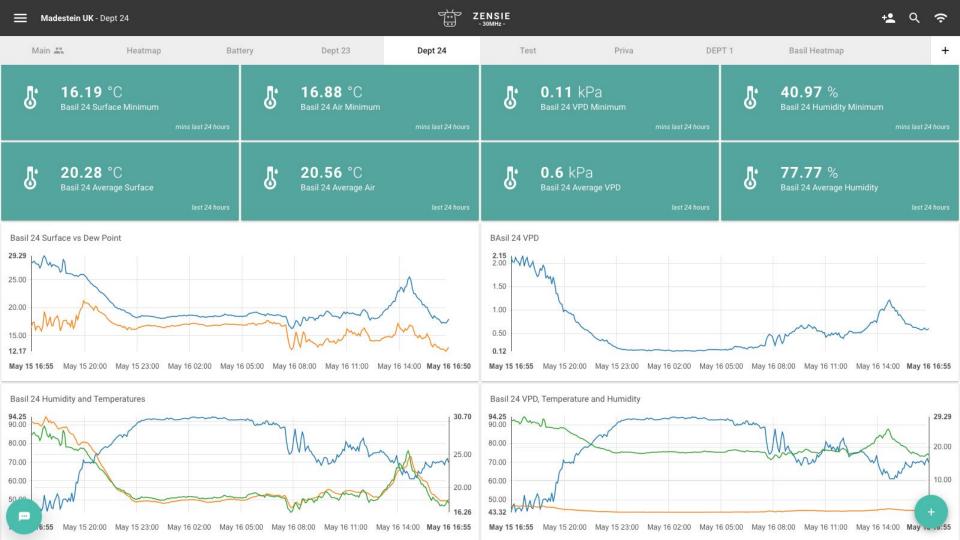






"Having greater insight into what the plant is doing with 30MHz smart sensing tech is really useful, and helps us focus on improving quality and reducing disease risk. We see the impact of capturing metrics that we previously didn't have. It's extremely easy to use, especially the ability to decide on how we visualise our data with various graphics, giving us the control to explore what we're measuring in different directions. We've just started with Klimlink as well, so we can now pull data from external sources into one central place, and see the interactions. It's very interesting insight and has had an impact on our crop management team, helping them focus on optimising output and growth while minimising input'"

> Jonathan Zwinkels Madestein UK Limited





www.30MHz.com