

Smart Monitoring for Reduced Risk and Improved Yields

Wireless monitoring systems for climate and
fertigation - trusted in greenhouses worldwide.

Growing has never been more complex

Every grower knows the pressure of keeping crops healthy and productive under increasingly difficult conditions.



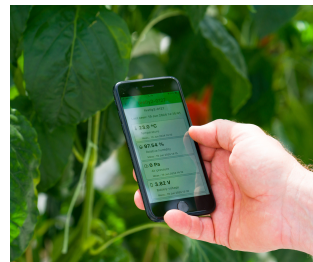
LABOUR IS SCARCE

Finding and training skilled staff is harder than ever, yet crops still need daily and weekend checks.



RESOURCES ARE COSTLY

Costs for water, fertiliser, crop protection and energy are rising - reducing them is a must to stay competitive.



MITIGATE YOUR RISKS

Were planned actions executed correctly? Are you certain that irrigation and fertigation were applied as intended?



PLANT HEALTH IS FRAGILE

Small deviations in timing, uniformity, or microclimate can quickly trigger stress, disease and yield loss.

This is where Quantified helps.

We provide wireless monitoring systems that provide real-time visibility into what's really happening in the greenhouse. Our sensors track water, nutrients, and climate directly at plant level turning hidden risks into clear, actionable insights. This system helps you reduce risks, optimise yields and reduce disease pressure.

Quantified makes it easier to grow more, using less.

With Quantified, you gain:

Confidence that fertigation plans are executed correctly.

Efficiency by reducing manual checks and freeing up valuable labour hours.

Clarity on when and where to irrigate, based on objective data.

Control over climate uniformity and microclimate conditions.

From data to better growing decisions

Every grower knows the pressure of keeping crops healthy under increasingly difficult conditions.

HOW QUANTIFIED HELPS

1. Substrate & Moisture Monitoring

- ✓ Tracks moisture levels directly at the root zone.
- ✓ Ensures water and nutrients are delivered only when and where plants need them.
- ✓ Prevents over-watering and under-watering

2. Drain & Dripper Control

- ✓ Measures drain volumes, EC and pH values in real time.
- ✓ Verifies whether fertigation plans were executed correctly.
- ✓ Detects imbalances before they damage crop quality or yield.

3. Microclimate Insights

- ✓ Monitors temperature and humidity at plant level.
- ✓ Highlights blind spots that the climate box cannot see.
- ✓ Enables faster, more uniform drying-off which reduces disease pressure and fungal outbreaks.

4. Labour Efficiency

- ✓ Remote access to real-time data eliminates the need for constant control rounds and sampling.
- ✓ Verify weekend data online from anywhere.

5. Data & Analysis: AI-Ready

- ✓ Logs data every minute to build a reliable history.
- ✓ Enables season-to-season comparison.
- ✓ Supports smarter decision-making and long-term optimisation.

Integration & Ease of Use:

No installation required: no cables, no technicians.

Compatible with industry platforms like: Priva, Hoogendoorn, Polariks, Source.ag, and many other leading platforms.

Data securely stored in the cloud and accessible via dashboard or API.

Used in greenhouses across three continents

Quantified systems are already helping growers manage risk, save time, and use resources more efficiently. A few examples:

QUALITY TOMATO MOROCCO

Tomato production in Morocco

Challenge: Water is becoming scarce and expensive, and drain volumes were hard to control.

Solution: Quantified drain and EC sensors optimise drain percentages, with continuous monitoring integrated in to existing platforms for precision fertigation.

BOSCH GROWERS

Bell peppers and strawberries in the Netherlands & USA

Challenge: Managing fertigation consistently across multiple sites.

Solution: Wireless substrate moisture and EC sensors linked to climate computers provide uniform oversight and better control, with insights accessible across locations.

THE VALLEY

Large-scale tomato operations in the Netherlands

Challenge: Labour shortages meant weekend checks were increasingly difficult to cover.

Solution: Real-time substrate and dripper sensors allow the greenhouse operations to be monitored remotely, reducing labour dependency without increasing risk.

BEJO ZADEN

Seed production across five countries

Challenge: Linking climate variations to germination quality to define optimal conditions.

Solution: Quantified sensors track environmental conditions and link them to seed batch numbers, helping to identify optimal germination conditions.

The challenges of modern growing won't disappear but with the right tools, they can be managed.

**Smarter
Monitoring.
Lower Risk.
Better
Growing.**

Grow More, Using Less.

