Take control of your rootzone

With the GroSens Suite

Steerable



Grodan®

Part of ROCKWOOL Group

Grow with precision

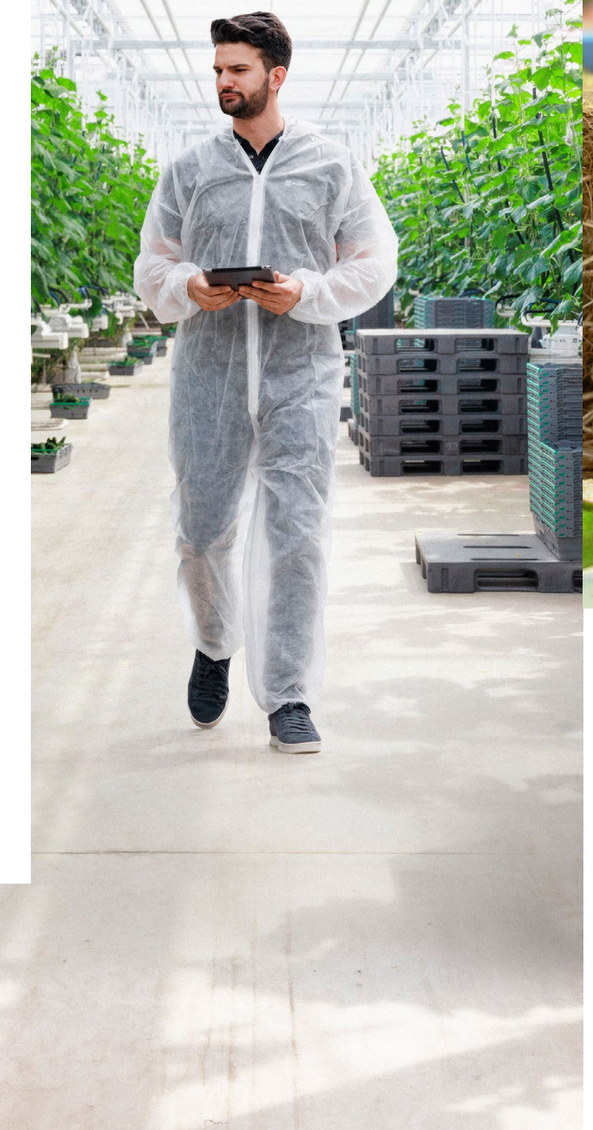
Every grower wants to be confident that their crop performs as planned, from one crop cycle to the next. That means knowing your growing media is doing its job, having reliable control over irrigation and steering, and understanding how the crop is responding.

To achieve this, you need clear, accurate feedback from the root zone. These insights make it easy to optimise your strategy and act before small variations become big challenges.

GroSens Suite offers steerability and reliable control over irrigation through real-time root zone data, accessible anytime, anywhere. With accurate, easy-to-interpret visuals, you can monitor EC, WC, temperature, and humidity, receive alerts, and turn detailed data into clear insights, so you can fine-tune your growth strategy.

Together with our stone wool products, GroSens Suite guides you on how to ensure the best performance, achieve your ambitions, and grow your business.

Designed to grow



How does it work?

Step 1
Order and we will ship the GroSens hardware within 3 days

Step 2
Setup and configure your installation the way you want it.
(facility, hardware, user management)

Step 3
Use the GroSens API to connect with existing greenhouse systems

Step 4
Monitor real-time rootzone data, access irrigation advice, set up performance indicators and alerts

Step 5
Optimise your growth strategy from the current data and historical insights





Data driven

Everything in place to grow your business

High quality hardware, software & services
Reliable, accurate and real-time data on conditions and data models designed for Grodan growing media

Easy to set-up and use
Our solution is customised to fit your needs and integrates seamlessly with existing systems through an Open API connectivity.

Complex data made simple
Easy-to-use tools to monitor, evaluate and compare data, track performance indicators, analyse historical seven-day performance and set alerts.

Advice
Phase-specific guidance from the integrated Grodan Growing Advice, proven in practice.

Maximum uptime
Fallback data connection and guaranteed uptime, with online support always within reach.

Pro-active monitoring and replacement
We detect issues before they affect operations and provide a five-year warranty.

The GroSens Suite

Insights that let you control your irrigation strategy

Grodan produces reliable, steerable growing media designed for precision. Yet without insight into the root zone, growers can't fully unlock the potential of stone wool.

GroSens Suite is developed to provide growers with accurate, real-time data on root zone conditions, with data models specifically designed for Grodan growing media.

High-quality sensors combined with an intuitive platform help you monitor and steer your crops with confidence. View sensor data from all sections in your greenhouse, track key parameters like EC, WC, temperature, and humidity and benefit from phase-specific growing guidance that is rooted in science and proven in practice.

GroSens Suite is a growing solution that puts you in control of your root zone, all year round.

Build to connect

With the GroSens API, integration comes standard. GroSens lets you connect near real-time individual sensor-level root zone data directly into your existing climate or irrigation systems. No extra hardware, no switching between platforms.



Climate sensor
Relative humidity, CO2, internal temperature and Calculated VPD.

Rootzone sensor
Water Content (WC), Electrical Conductivity (EC) and Temperature.

GroSens software
Intuitive platform created to enchance cultivation

Support
Dedicated support team and 24/7 access to extensive online support

Request a demo

Consistent growth results

Introducing irrigation management in GroSens Suite

Great results come from great irrigation decisions. Our new irrigation management tools make it easier than ever to steer your crop using Grodan's growing advice. Now available in your GroSens Suite workspace.

The platform helps you monitor root zone conditions and compare sections to ensure uniform growth. The intuitive dashboard highlights key performance indicators for instant visibility, and Historical Analysis reveals irrigation trends over time and across sections. Customisable Alerts notify you if parameters move beyond your set targets, and the in-app Growing Advice delivers proven, phase-specific guidance to fine-tune your growth strategy.

Secure, scalable, and continuously refined with grower feedback, the platform is designed to give you consistency, control, and confidence for steady growth.

Performance Indicators
Instant visibility of key root zone parameters at a glance.

Grodan Irrigation Advice:
Phase-specific irrigation guidance, rooted in science and proven in practice.



Historical analysis
Track and compare irrigation trends week by week and across sections

Alerts
Set ranges for key irrigation parameters and get alerts if they move beyond your set targets.

Ready to experience the Grodan GroSens Suite?

Request a demo to see what GroSense Suite can do for your business.

Click here

Designed to grow

Grodan is the global leader in supplying soilless rootzone management solutions for Controlled Environment Agriculture. These solutions are applied to the cultivation of vegetables, medicinal crops and flowers such as tomatoes, cucumbers, sweet peppers, eggplants, roses and gerberas.

At Grodan, we aim to help feed and treat the world's growing population by innovating solutions from our stone wool growing media to enable 'more-with-less' growing. Through the method known as out-of-soil, our stone wool substrates, sensor systems, software and expertise support the reliable, informed growing of healthy, fresh, high quality produce. Our material is 100% recyclable, and supports growing methods that use up to 50% less water, 20% less chemical plant protection products and 75% less land. Sustainability plays a prominent role within Grodan, from manufacturing stone wool substrates to recycling solutions and services.

Grodan has more than 50 years of cultivation experience. We pioneered the development of hydroponic growing methods in the 1960s, and today, our soilless rootzone management solutions are used in large-scale commercial greenhouses and indoor facilities in over 70 countries across the globe. The head office is located in Roermond, the Netherlands.

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