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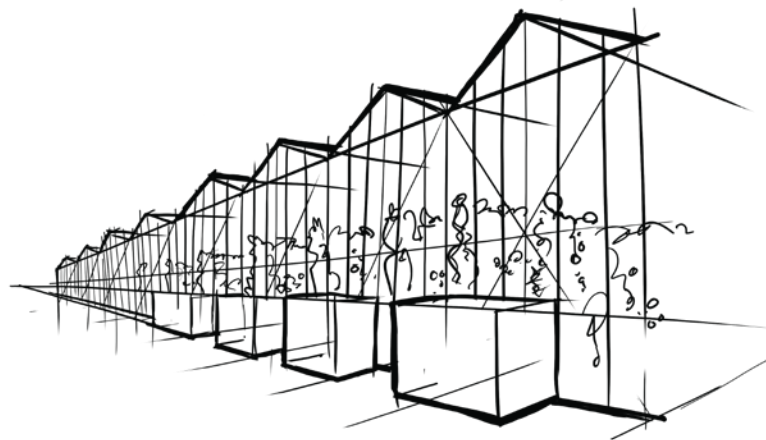
**Passionate about Precision Growing
- For more than 50 years**

At Grodan, we're always looking for solutions that allow growers to grow better. Our aim is always to provide you with important growth parameters and data, so you can have maximum control and create the optimal growing conditions for root development in growing media. And we've been an expert on that for more than 50 years.

Now, with the new GroSens suite, we've reached a new milestone; providing a value-added solution that enables growers worldwide to improve their data-driven growing and take their growth strategy to new heights.

Start today

Are you ready for the future? Make sure your business is ready for tomorrow today. Put more precision into every decision with the new and redesigned Grodan GroSens suite. Contact your Grodan Account Manager for more information.



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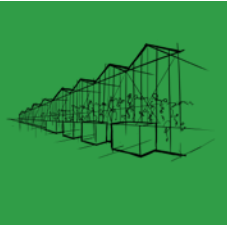
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The substrates from Grodan are the only stone wool growing media awarded an EU Ecolabel.



All our information and advice is compiled with the greatest possible care and in accordance with state of the art technology. However we are unable to assume any liability for the contents. - June 2021

More Power and More Precision. The NEW GroSens



*Only available for Europe, Australia and New-Zealand



Part of the ROCKWOOL Group



The new GroSens - Experience the power of precision

Today's growers are increasingly looking for new ways to improve their growth strategy to realise optimal yield. Data, remote monitoring and crop steering are important factors in realizing that. Advanced sensor technology and data-driven decision-making is powering optimization in the horticulture sector. Introducing the redesigned GroSens suite of high-quality sensors for rootzone management with state of the art accuracy and precision.

Optimized for Grodan stone wool substrates.

Based on more than 50 years of precision growing and crop steering knowledge, Grodan has developed specific data models optimized for Grodan substrates. The result: increased accuracy, more control to provide you with everything you need to power your decisions for your crops root zone and irrigation strategies. Wherever you are, 24 hours a day and 7 days a week. Put more precision into every decision.

Discover the new GroSens suite.

Meet the redesigned GroSens Suite

Data-driven growing is no longer a trend, its become the industry standard. The redesigned GroSens suite provides more accuracy, a wireless connection and industry leading precision measurements when combined with Grodan substrates. The new GroSens also offers:

An increased user experience and appealing product design: the root sensors have a distinctive blue colour, so you can easily spot them in the greenhouse.

Future-proof, state-of-the-art technology: the system is based on LoRa communication technology, which allows a wider range of communication up to 150 metre in average greenhouse environment.

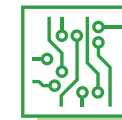


Additional climate sensors for microclimate management and local data gathering in addition to your climate system – resulting in more insights and control.

A redesigned new mobile app with new functions such as a handheld-feature.



Benefits of the GroSens Suite



Extremely reliable with optimised data models for Grodan substrate products

GroSens is extremely accurate and provides, highly reliable and precise rootzone temperatures, WC and EC measurements. This results in better growing insights



Improved design and performance

The new sensors have an improved and waterproof product design. Thanks to their distinctive blue colour, spotting them is easier. The sensor is more compact and designed to easily measure the Grodan product assortment range.



Seamless connection with e-Gro

The new GroSens sensor can seamlessly connect to e-Gro. This immediately provides valuable insights that support you to optimise your growth strategy.



Plug and play installation

Installation that is both easy as well as time saving thanks to our new and improved e-Gro app with Bluetooth (BLE) connection.



Get the most out of your data

When connecting the new GroSens suite to e-Gro or your climate computer, you immediately benefit from valuable insights to optimize your growing strategy. GroSens and e-Gro have multiple options to meet your specific needs, now or as you expand:

e-Gro Companion

Access data and graphs for Temperature, WC, and EC easily in the mobile app or desktop.

e-Gro Essential

e-Gro Essential gives you important information about your greenhouse to improve your cultivation strategy. These powerful insights into crop yield forecasts, irrigation management and crop monitoring.

Connection to your climate computer

This option allows you to view your GroSens data in your climate computer.



The power of GroSens data models

Data is good, but the true power of data-driven cultivation comes from the data models or algorithms. For meaningful and powerful insights, Grodan has leveraged their expertise from inventing Crop Steering and Precision Growing to creating data models that truly support the grower and their crops.

The result is increased accuracy and more reliable information tied to specific Grodan growing medium products, accessible via your e-Gro account. Giving you more control and everything you need to know for your rootzone and irrigation management approach. Wherever you are, 24 hours a day and 7 days a week.



Because one size doesn't fit all

Depending on your needs, we offer multiple packages of our GroSens suite:

Grodan GroSens starter kit	Grodan GroSens handheld kit	Additional items
<ul style="list-style-type: none"> • 3 Rootzone sensors • 1 Bridge • 1 Gateway • e-Gro Companion <p>Optional: e-Gro Essential</p>	<ul style="list-style-type: none"> • 1 Rootzone sensor • e-Gro Companion 	<p>Hardware:</p> <ul style="list-style-type: none"> • Rootzone sensor • Climate sensor 1 Humidity Temperature • Climate sensor 2 Humidity Temperature and CO₂ • Bridge • Gateway • Convertor

What else does Grodan offer you?

In addition to the product benefits, we offer you extensive support and service.



Optimal Support

For total peace of mind, our advisors are ready to answer your questions and solve technical issues by email and telephone.



Remote personal growing advice

Our advisors help you to get the maximum benefit from your hardware and software. How? Through personal advice based on our knowledge and expertise in substrate cultivation. As your partner, we combine our knowledge and experience with yours to drive superior results.



Continuous product improvements

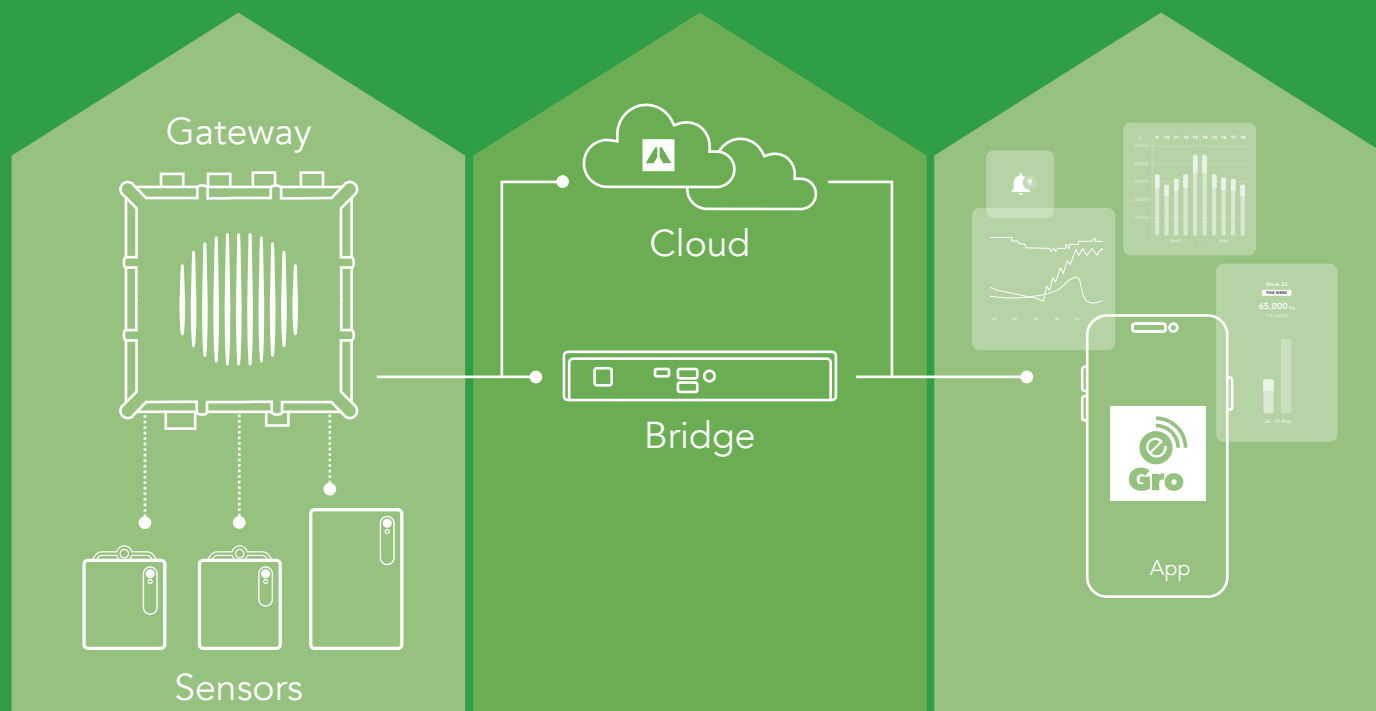
Based on your feedback, a dedicated software and hardware product team works on continuous development and improvements of our products to take advantage of the latest technologies and opportunities, and provide greater insights.



Your data is safe

All data in the software is extremely secure and is stored and processed in accordance with all North American, European, and local laws and regulations.

GroSens system overview



Greenhouse

Office

Anywhere

Product specifications rootzone sensor

- Most reliable, representative WC, EC and rootzone temperature measurements due to measuring at 2 heights
- Slab-optimised data models
- WC measurements in the range between 0-100%
- EC measurements in the range between 0-10 mS/cm
- Temperature measurements in the range between 0 and 50 degrees Celsius

System requirements

- Available Internet
- Sensors must be placed within a 150-metre radius of the gateway.



A trusted experience

Based on customer feedback, GroSens became the most trusted and best-performing sensor on the market. For years, the Grodan GroSens system has proven to be the most valued sensor in horticulture to support and optimise rootzone. Now we have taken that technology and managed to improve it, making it even more innovative and future proof.