



blue radix

AUTONOMOUS GREENHOUSE MANAGEMENT



De reis van autonoom telen

Water en elektra gaan goed samen

12 December 2023 – Future Trends & Innovations 2023

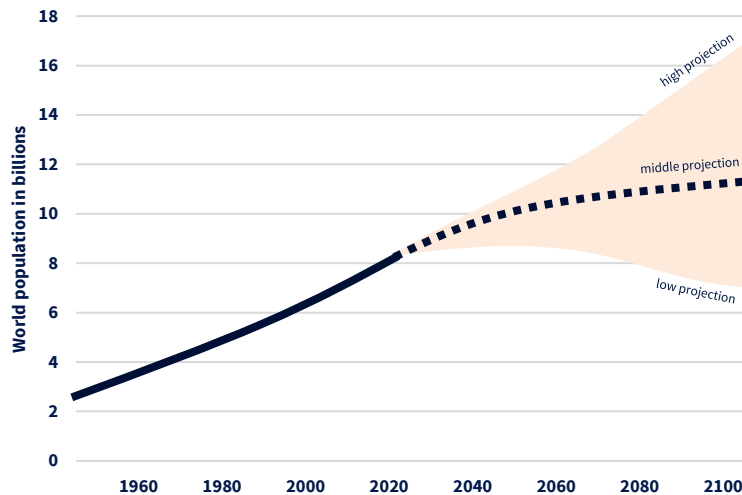


AUTONOMOUS GREENHOUSE MANAGEMENT

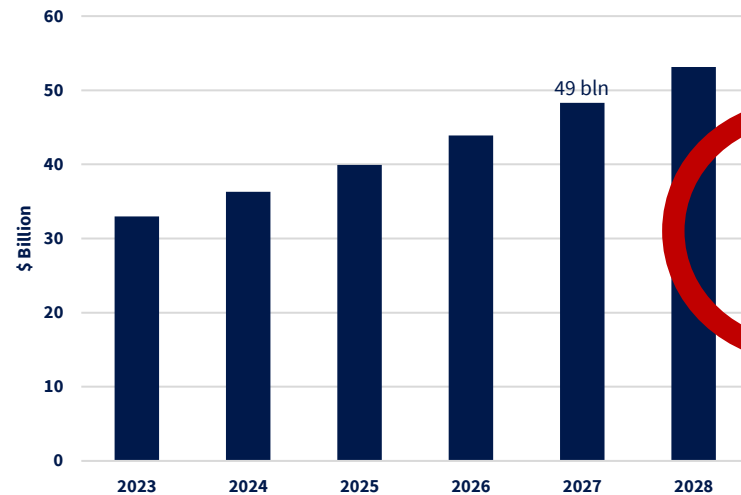
De glastuinbouw groeit gestaag door....

...Maar wie stuurt al die kassen aan op een winstgevende manier?

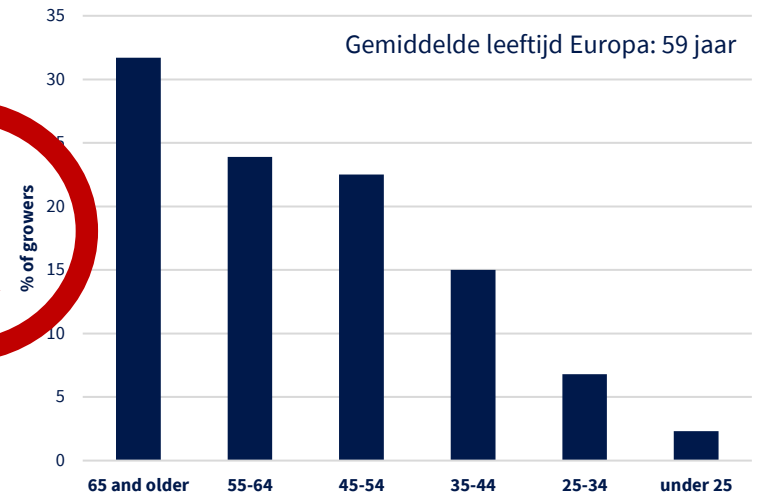
Groeiende bevolking heeft behoefte aan gezond en veilig voedsel



Groeiende glastuinmarkt
Waarde(\$ miljard) met 10% CAGR

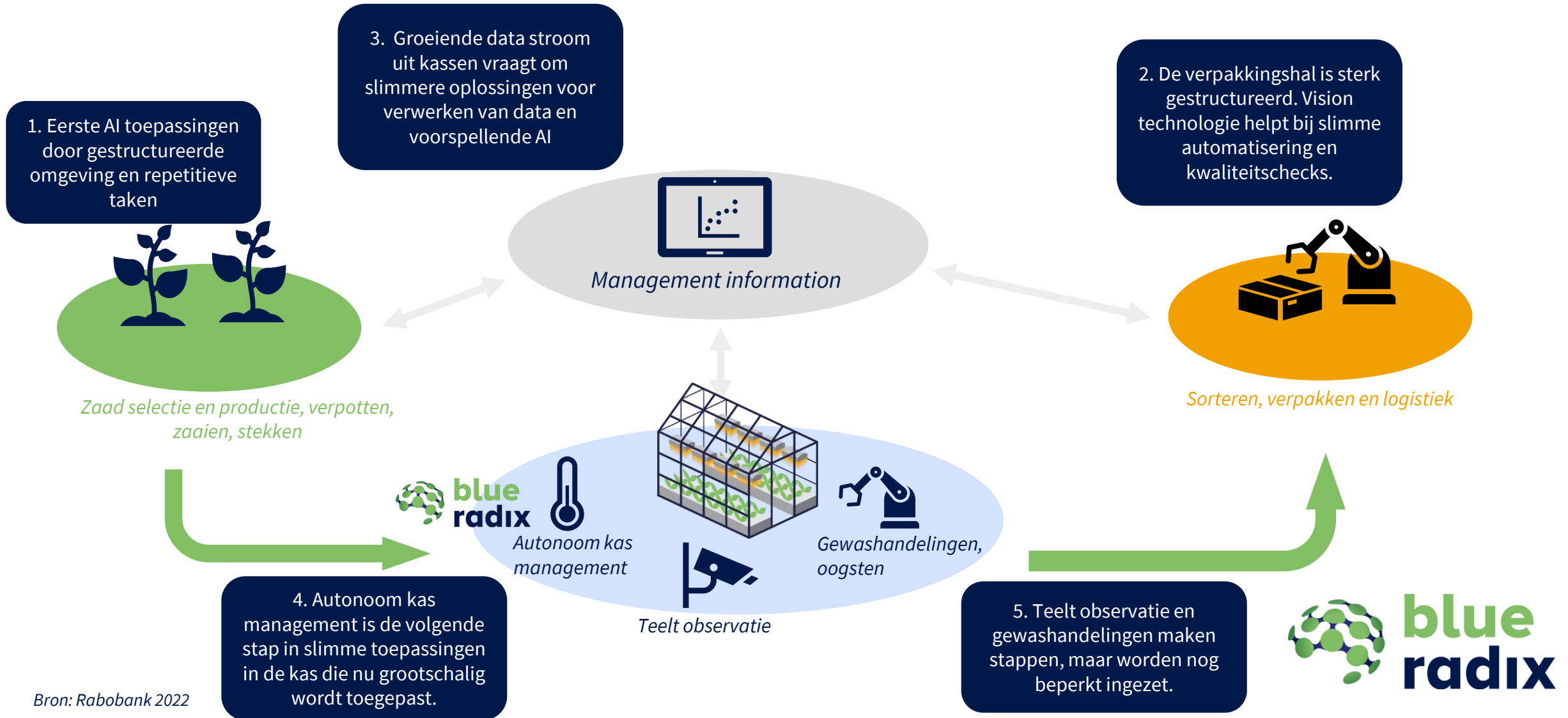


Ervaren telers zijn schaars en
aantal neemt af door vergrijzing



Introductie van AI in de tuinbouw markt

Grote verschillen in de uitrol van AI in verschillende processen





2013

Lancering autonoom energie
management

agro
ENERGY

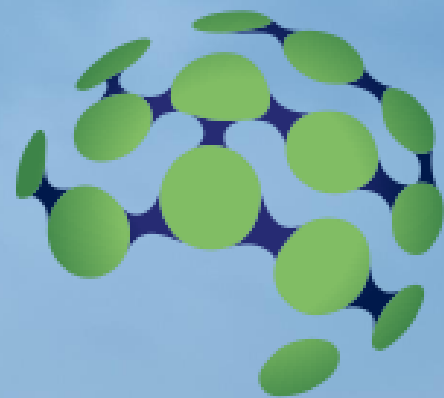
The Croperators



2018

Eerste Autonomous Greenhouse Challenge

Autonomousgreenhouses.com



blue
radix

2019

Start Blue Radix, specialist in autonoom telen

A man with short brown hair, wearing a white polo shirt, is looking down at a tablet computer he is holding. He is standing in a greenhouse or a field with large green leaves and vines in the background. The lighting is bright and natural.

2020

Eerste ervaringen in productielocaties



Demo ▾

Demo greenhouse

Demo crop ▾

Start date
2023-01-01End date
2024-12-31

Dec 5

● Dec 6

Dec 7



24h Totals

	Dec 5	Dec 6	Dec 7
Target	19.6 °C	20.6 °C	21.6 °C
Realized - optimized	21.6 °C	21.9 °C	20.8 °C
Realized - forecasted	3189 J/cm ²	3279 J/cm ²	3770 J/cm ²



CLIMATE

METEO

Climate

Temperature

Radiation

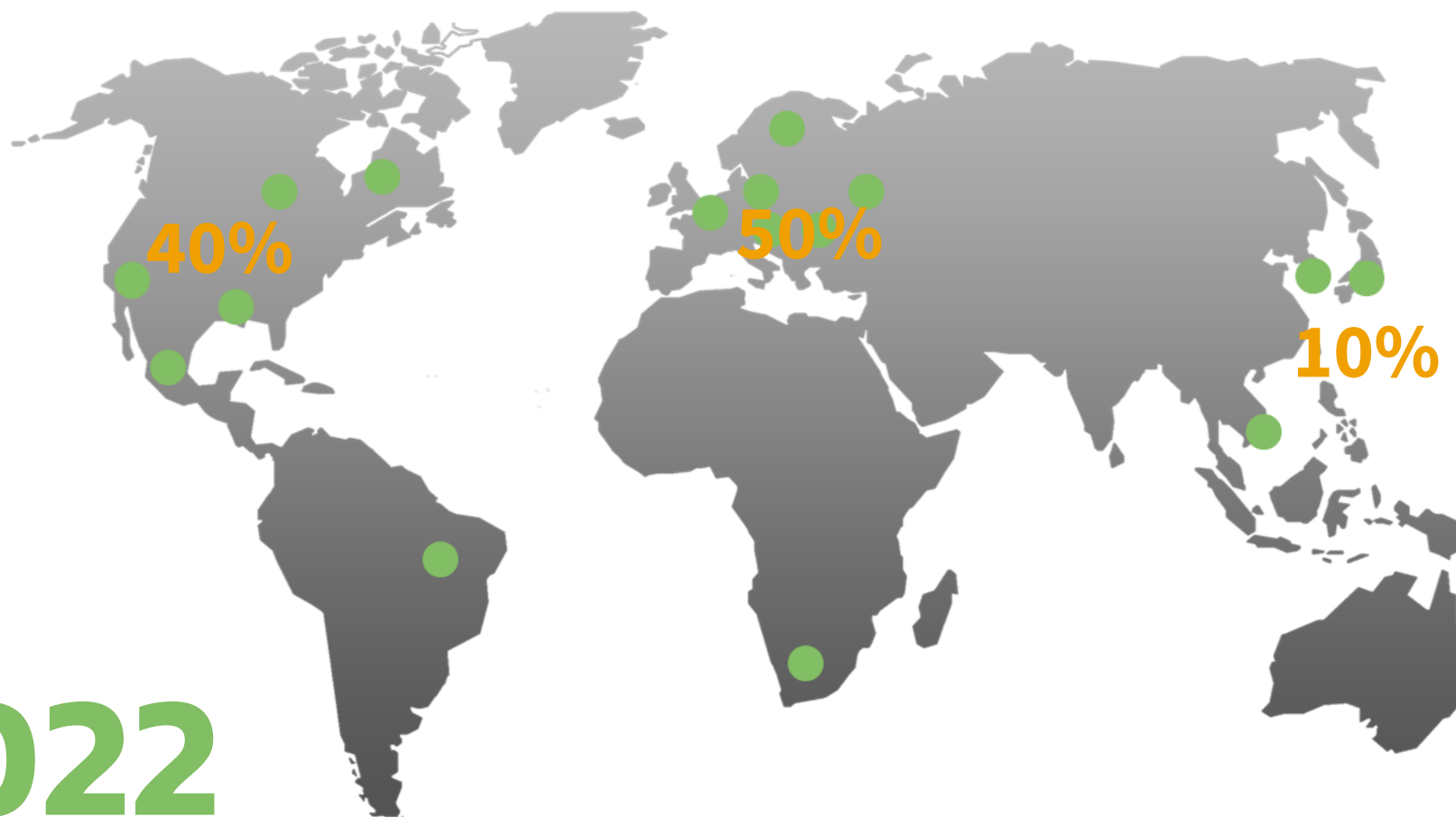
Humidity

CO₂

At sunrise

Thursday, December 7 at 10:40





2022

Wereldwijde uitrol van autonoom telen

2023

Sterke schaling naar volledige bedrijven en uitbreiding in alle regio's



Arie van der Giessen,
Village Farms, USA

Grower's experience

"The **execution** of Crop Controller **is great!** The AI-system is learning daily. In Mexico we have very **specific weather conditions** that we need to manage. The Blue Radix system can **adapt** to it, helping us **achieving our goals**, and making growers **more efficient.**"



Josephine van Eggelen,
Rijk Zwaan, NL

Grower's experience

"Crop Controller is aware of our goals and strategy. It **continuously optimizes** the settings of the climate computer **controls autonomously**, and within the specified bandwidth we have determined beforehand. I **no longer** have to analyze all the data and set the climate computers **manually.**"



Grower's experience

"Our **crop strategy** has been **executed very well** by Crop Controller. We have decided with confidence to **continue our cooperation** with Blue Radix, and **to expand it.** We are working towards **higher control** of our seed production processes **with AI**, for **our high tech** production **locations.**"



Manuel Valdes Lara,
Bresca, Mexico

Grower's experience

"The **execution** of Crop Controller **is great!** The AI-system is learning daily. In Mexico we have very **specific weather conditions** that we need to manage. The Blue Radix system can **adapt** to it, helping us **achieving our goals**, and making growers **more efficient.**"



Grower's experience

"At Lans we innovate to be part of **the top players.** Autonomous growing is the future. With **Crop Controller** of Blue Radix we are at the **forefront** of AI-driven growing to grow a **high-quality** product, **reduce costs** and to **improve margins.**"



Grower's experience

"Since 2022 we've been working with Crop Controller at our production facility in Gangjin-Gun. Crop Controller is **running our greenhouse climate according to our strategy.** It makes our operation more efficient. We now **decided to expand** Crop Controller to our full operations assuring an **optimal operational result** on growing."

Grower's experience

"Crop Controller is doing exactly **what we thought** it was going to do. We're **steering fully autonomous** more than **95% of the time.**

The crop looks good, no issues. Zones that are being steered show less mildew. We like what we see and we **want more of it.** Autonomous growing with **Crop Controller makes life easier**, adding value to it."

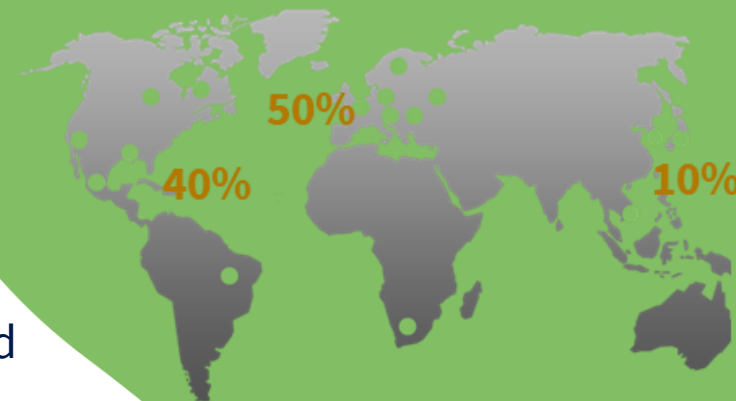


Mr. Myung
Director of Art farm

Blue Radix vandaag

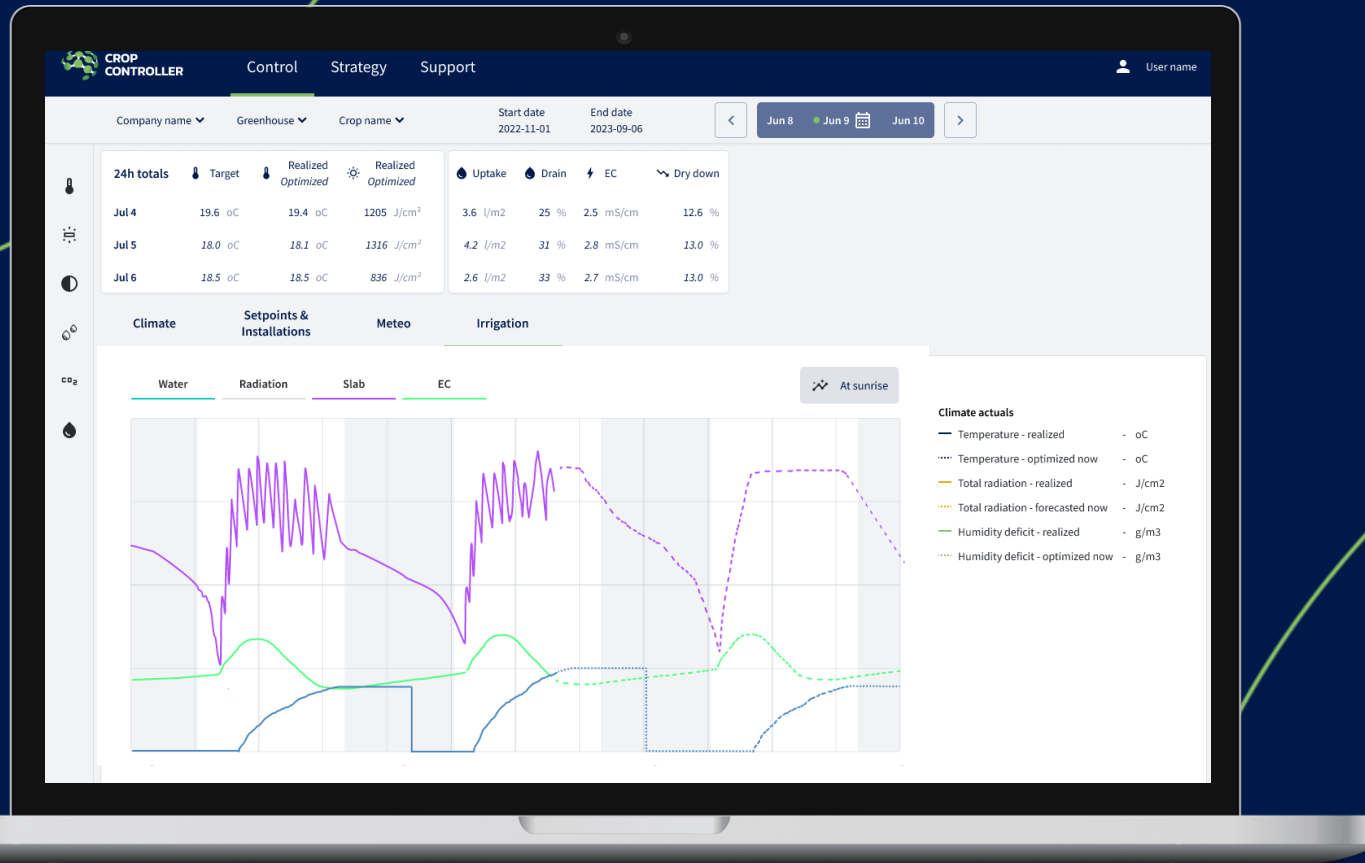
Onafhankelijk AI-tech bedrijf voor de glastuinbouw

- ✓ Bewezen track record met autonoom telen bij **meer dan 40 bedrijven** wereldwijd
- ✓ Aangesloten klanten met een totaal oppervlak **meer dan 1.700 hectares**
- ✓ **30 medewerkers** met expertise op gebied van AI, IT, teelt and energie



Award winning
technology:





2024 Autonoorn irrigatie management

**Alleen met Autonoom Greenhouse
Management heeft een tuinbouwbedrijf in
Nederland nog toekomst**





Let's start to put your data at work for you!



**blue
radix**

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