eva scoutr

Full-plant high-speed **scouting**

With its high-resolution imaging and vision based AI algorithms, EVA scoutr operates under all lighting conditions; daylight, LED, or nighttime. Delivering accurate scouting data across every crop and corner of the greenhouse. This full-plant, high-speed scouting approach ensures no area goes unchecked and empowers growers to act quickly and precisely.

Tuta absoluta

Mildew

Aphids

Spider mites

White fly

Actionable insights
for location-specific crop care

By combining early detection with location-based insights, EVA enables targeted treatments, helping growers reduce chemical use while promoting healthier crops. As EVA collects more data, its models continuously improve, allowing for the detection of an expanding range of pests and diseases over time. The result: more productivity with less crop loss. EVA helps growers reduce scouting labor by up to 50%, lower crop loss by 30%, and cut input usage by 25%, Making greenhouse operations more efficient, sustainable, and profitable.

FERMATA INSIDE

Operational continuity
through data integration

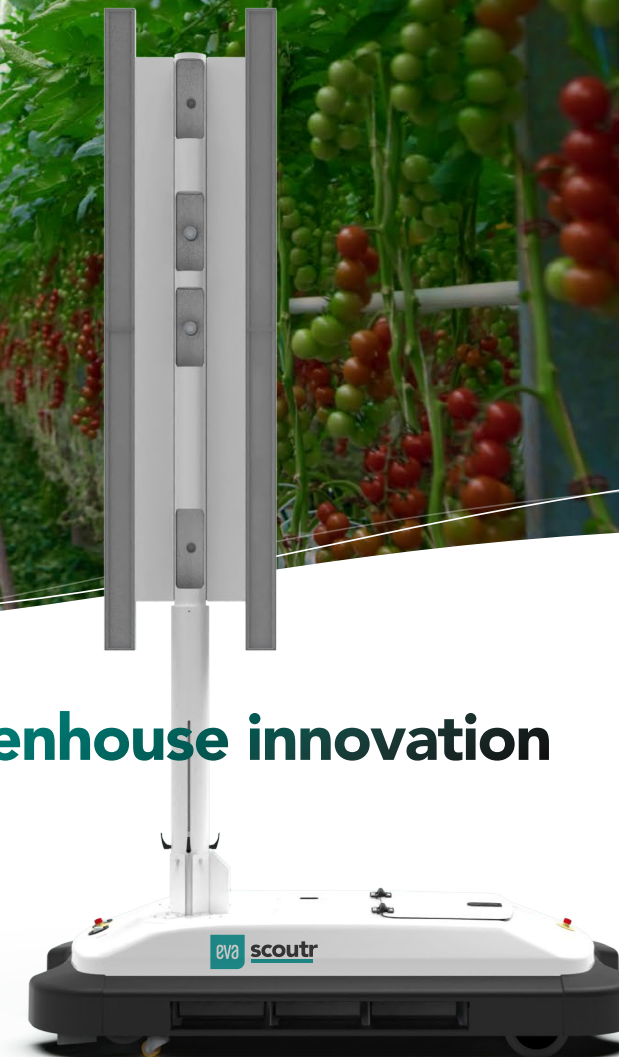## Driving the future of greenhouse innovation
with Viscon expertise

At Viscon Group, innovation and sustainability are at the core of everything we do. EVA perfectly aligns with our commitment to transforming greenhouse operations through cutting-edge technology. By combining robotics, Vision based AI, and sustainable practices, EVA supports our mission to optimize agricultural processes, reduce waste, reduce chemicals, foster healthier and efficient production.

EVA marks the next step in smarter greenhouse management, rooted in Viscon's values of efficiency, precision, and sustainability. EVA scoutr is our first robotic application, more intelligent solutions will follow, building toward a more resilient and productive future for greenhouse agriculture.

Detects over 15 pests & diseases
and nutrient issues with
vision based algorithm training

Full greenhouse coverage
Scans up to 4.5 ha in 20 to 22 hours
depending on greenhouse layout

Detection accuracy
Identifies pests and diseases
with ±10 cm precision

22/7 day and night scouting
Requires only 2 hours of downtime
for charging and data transfer

Join the **greenhouse revolution**

Curious about what EVA can do for your greenhouse, and what comes next? Let's talk! We'd love to explore how EVA can support your operation today and hear your thoughts on future applications that could make an even bigger impact.

Visit
viscon.eu

eva scoutr

VISCON GROUP

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eva
ephemeralized
viscon
agrobotics

Greenhouse robotics
for a thriving tomorrow.

Scouting made simple
Detecting pests and diseases with precision, reducing chemical use, and moving together toward a 100% green future.

INNOVATION BY **VISCON GROUP**

AI vision powered **tomato crop protection**

EVA scoutr continuously monitors plant health across the entire greenhouse, using real-time data and advanced algorithms to detect pests, diseases, and nutrient deficiencies with 10 cm accuracy. By identifying issues early and precisely, growers can take targeted action exactly where it's needed, reducing chemical use, crop loss, and waste.

Enabling healthier plants with accurate algorithms

The continuous, full-coverage scouting approach supports more sustainable growing practices while optimizing labor and resources. EVA scoutr also tracks the effectiveness of treatments over time, enabling data-driven decisions that improve long-term crop health, yield, and profitability.

Autonomous agrobot
covering up to 4.5 hectares per day

EVA is equipped with Level 4 autonomous driving capabilities, enabling it to operate independently throughout the greenhouse without human intervention. It can navigate directly to specific zones to begin tasks, guided by state of the art navigation and mapping methodologies for greenhouses.

With built-in obstacle detection, EVA safely avoids humans, equipment, and other dynamic elements, making it a seamless addition to the daily greenhouse workflow. Whether it's day, night, or under artificial LED lighting, EVA maintains full operational awareness and precision. Designed specifically for the greenhouse environment, EVA is IP56-rated, ensuring protection against moisture and dust, and is capable to do all this without any additional infrastructure in your greenhouse.

eva scoutr

Level 4 autonomy means the EVA scoutr doesn't just assists, it operates independently across complex environments. This includes automated rail changes, smart task scheduling, and continuous 22/7 functionality. Its swappable battery system allows for quick recharging, with minimal downtime, ensuring uninterrupted operation.

Lower crop loss **higher yields**

EVA detects pests and diseases early, helping growers act faster and prevent damage. By automating monitoring and providing targeted insights, EVA reduces crop loss and boosts efficiency, leading to healthier plants and higher yields.

Effortless scouting
with exceptional accuracy

By continuously scanning crops for pests and diseases with high accuracy and in real time, EVA scoutr enables early detection that helps growers act quickly and precisely, reducing crop loss and allowing the growers to implement their control methods with precision. It's s not only a scouting robot; it's a fully autonomous tool built for the future of high-tech, sustainable horticulture.

Data-driven insights & **an extra set of eyes for peace of mind**

EVA scoutr continuously scouts the entire greenhouse to generate precise heatmaps that reveal the exact location and spread of pests and diseases. With a detection accuracy of ±10 cm, growers gain a clear, plant-level view of pest pressure and infection zones, even in difficult accessible areas.

Early pest detection
clearly mapped

These visual maps allow for faster response, enabling targeted action before issues escalate into significant crop losses. By monitoring changes over time, EVA helps track the effectiveness of treatments and supports more informed crop management strategies.

Intelligent insights
for healthier growth

EVA scoutr goes beyond detection by delivering intelligent insights tailored to your specific crop and greenhouse conditions. Its AI-driven system analyzes daily data to identify trends, assess plant health, and detect over 15 pests, diseases, and nutrient issues early, before visual symptoms spread. The system can be trained to recognize crop-specific threats and adapts as more data is collected, continuously improving accuracy. This empowers growers with actionable information, allowing for timely, localized treatments that reduce waste, minimize chemical use, and promote healthier, more resilient plants.