



HORTISCAN

Small drone, **big impact.**



OVER 33 %
COST
SAVINGS



UP TO 50 %
FEWER
RESOURCES



100 %
PLUG &
PLAY



AFFORDABLE. EFFICIENT. PRECISE.

Less waste, better quality –
smart farming made simple

avemoy

AVEMOY.COM

Automation for healthier plants

Hortiscan is a fully automated system that consists of specially developed, independently flying drones and highly specialised artificial intelligence. You only need one unit per hectare of your greenhouse areas. The drone flies by itself and provides the AI with video material. Depth sensors and high-resolution cameras record videos that are locally processed by Hortiscan. Only the data that is really relevant is transmitted to the cloud – and to your personal cockpit – in a report.

Installation and maintenance: a no-brainer

For Hortiscan, you only need one edge charger per hectare in your greenhouse. This is the Hortiscan charging and processing unit, which is very easy to connect with a power cable and LAN cable. We carry out a one-time calibration of the drone. No structural measures are necessary on your part!

Every three months you receive a generally upgraded drone from us in a maintenance case that can be directly replaced – without interruptions. You then simply send your old drone back to us. You therefore do not need to be concerned about failures and do not need a technician, nor time-consuming training.

This is how
HORTISCAN
can help you:

- Harvest prediction
- Pruning controls
- Broken vine identification
- Russet mite identification
- Scanning & itemisation of quality classes
- Identification of fruit and vine defects
- Recording of temperature, humidity and IR data

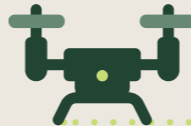
Made for **TEAMWORK**

No matter if you're using only one Hortiscan unit or twenty in a Hortiscan cluster - our AI delivers all relevant data to your cockpit and gives you an overview over your entire greenhouse as well as individual reports for each unit.



the tomatoes

Hortiscan helps you to see the bigger picture! Detect issues early and set measures for crop health. It will lead to higher yields of premium quality product.



the drones

Our drones fly fully autonomous without GPS sensors and scan your tomatoes and plants in 4k depth field videos. 12 hours after the calibration flight you'll get your first report.



the edge charger

Our Edge Charger is the docking station for the drones, its charger and the processing unit for our fully autonomous AI software. Only one Edge Charger is needed for 1 hectare greenhouse area.



the raw data

Each flight produces 34 GB of raw data. Our fully autonomous AI processes this data locally. Only the final report is sent to the avemoy cloud.



the processed data

Hortiscan provides processed data tailored to your needs - from pest control over temperature data up to harvest prediction.



the cloud

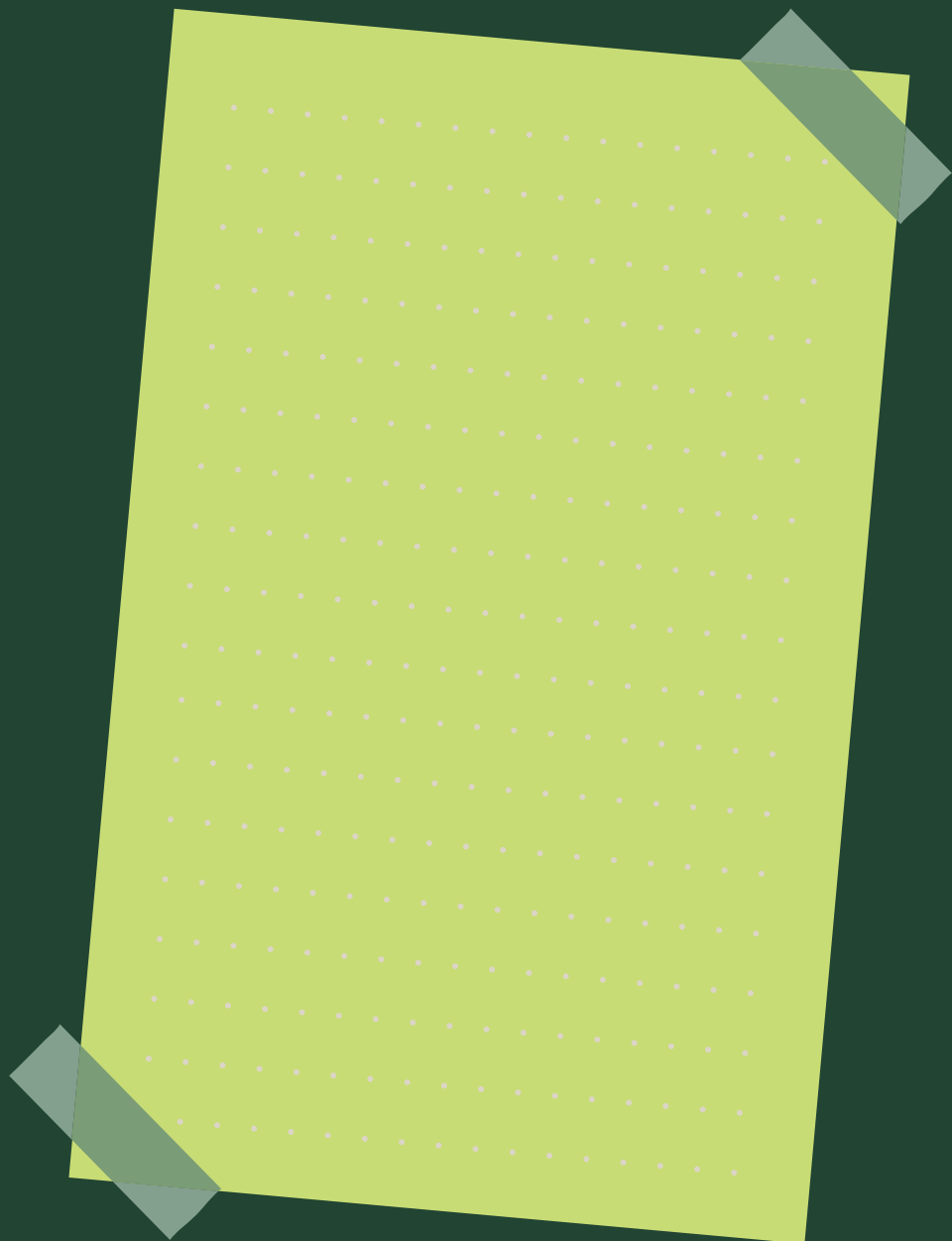
The avemoy cloud is securely located in Europe and holds only the final reports. Your raw data remains local.



the end user

Your personal cockpit shows all statistics you need to decrease your costs and increase yield.





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