

OPTRONIA

bright sensing technologies

Introduction



Ulrich Hausmann, CTO and co-founder

Optronia:

- Deep-tech start-up founded 2018
- Optical sensors for agrotechnology
- Team of 20 scientists and engineers
- Opto-mechatronic simulation + design / embedded vision + systems / data science + artificial intelligence



SensoSafe: Sensor for Wildlife Protection



Multispectral-NIR-sensors

Key benefits:

- Integrated into the mower system
- Integrated into the farmers' workflow
- Independent of sun light or other environmental conditions
- Speed up to 25 km/h (limited by mower hydraulics)

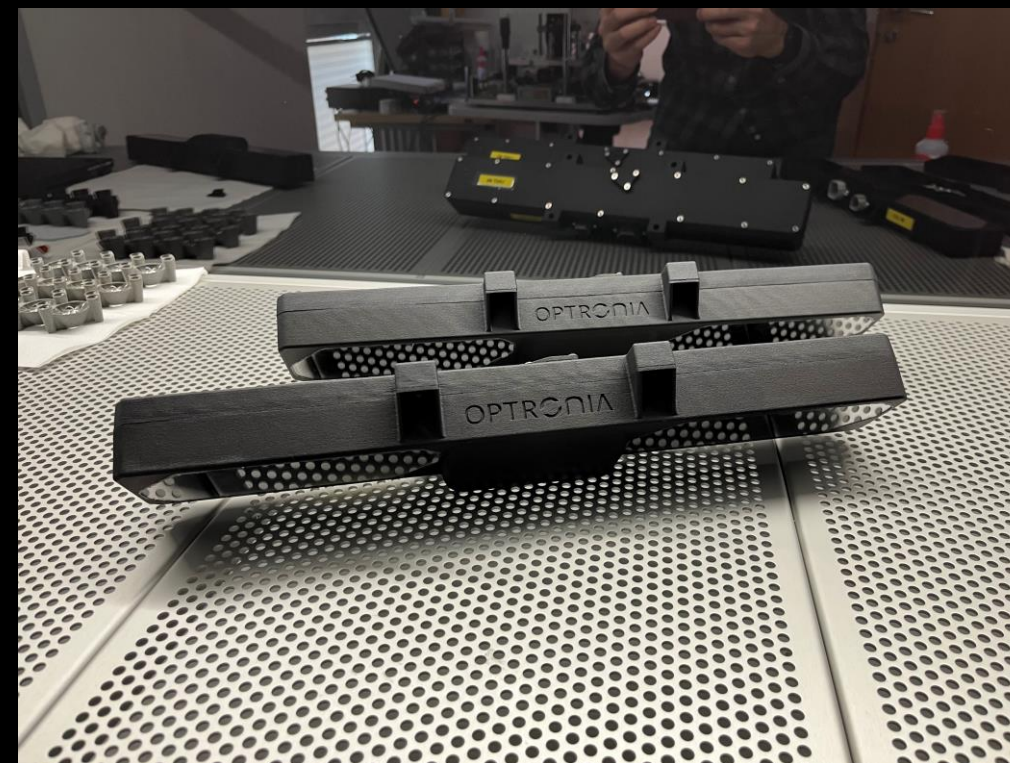
SensoSafe: Field Results



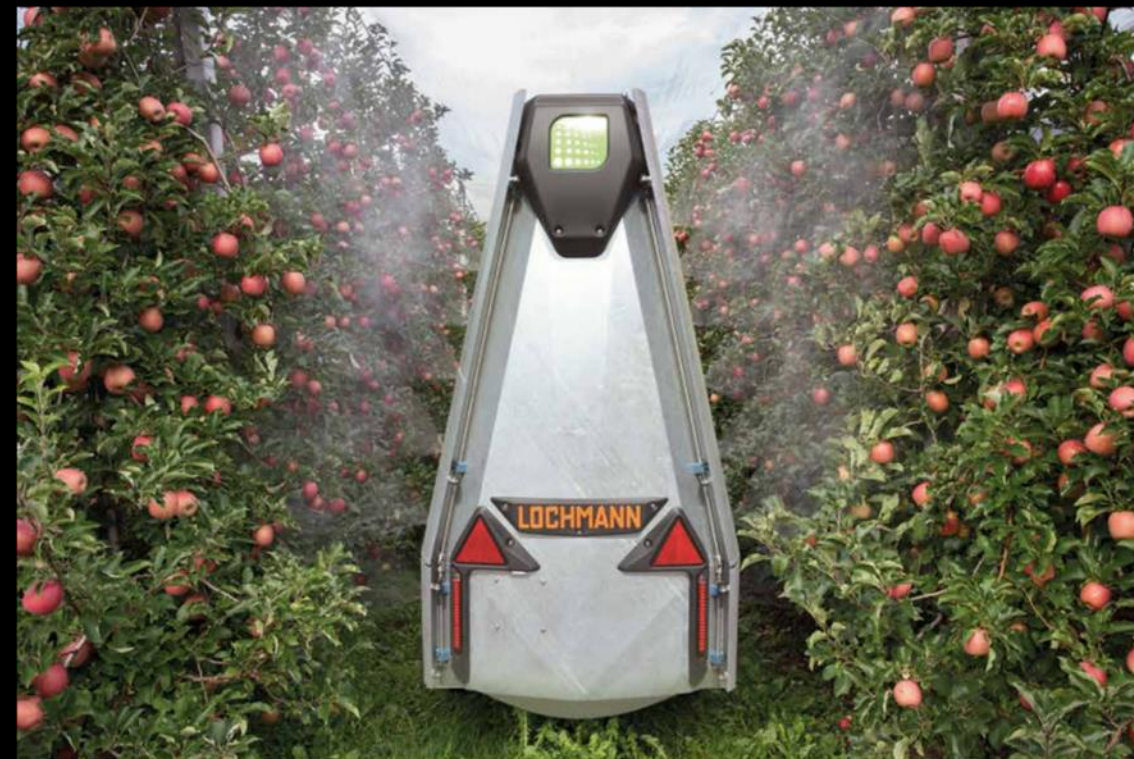
Detection of Birds and Eggs



Plant Detection: Field Spraying



Plant detection: Vertical Spraying



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