



AUGMENTA

*Making farming
sustainable and rewarding*

AUGUST 2022





UNMET FOOD DEMAND

20% less arable land by 2030,
+70% crop to feed world by 2050



UNSUSTAINABLE FARMING PRACTICES

Wasting 90% of pesticide
and 65% of fertilizer while
15 billion trees are lost every year



AGRICULTURE ON THE CUSP OF CHANGE



UNPREDICTABLE YIELD AND PRICES

\$1T worth of food wasted every year.
\$140B lost between harvest and retail



UNPRECEDENTED REGULATORY PRESSURE

50% less pesticides and 50% less
nutrient waste in EU by 2030

PRODUCT



TRANSFORMING MACHINERY TO NEXT-GEN ROBOTS

1

PERCEIVE

MULTISPECTRAL
MACHINE VISION

Canopy health, objects,
patterns and more

2

ANALYZE

REAL "REAL-
TIME" PROCESSING

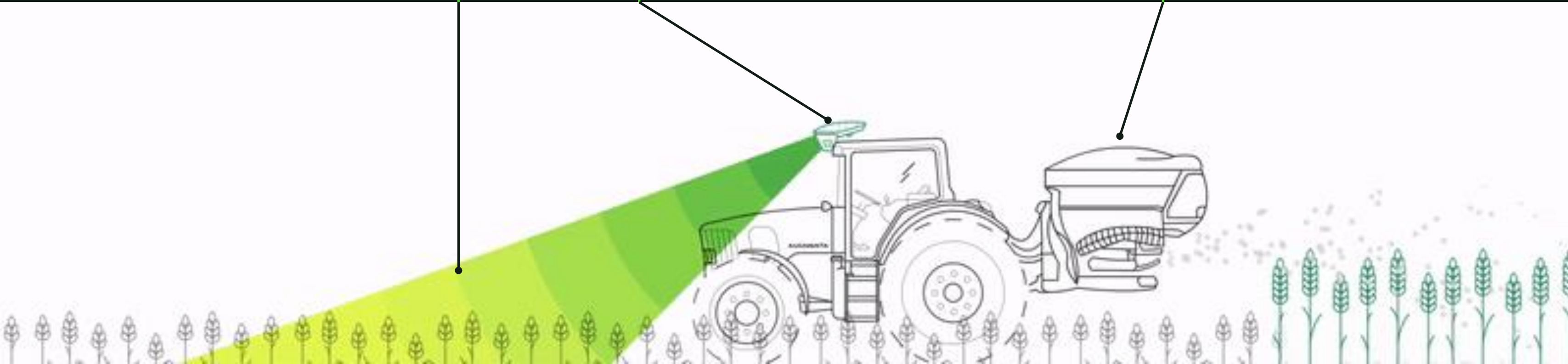
Edge computing and AI translate
images to agronomic insight

3

CONTROL

AUTOMATING FARM
OPERATIONS

By connecting to the "brain" of
the machine and controlling it





IMPROVING FARMERS LIVES



SHORT PAYBACK TIME

8% net farm profit* through input savings and productivity increase

*Corresponding to a net profit of \$20-\$40K for a 1000 wheat acre farmer



AUTONOMY FOR ALL

Retrofit kit, OEM agnostic, installed in minutes, affordable

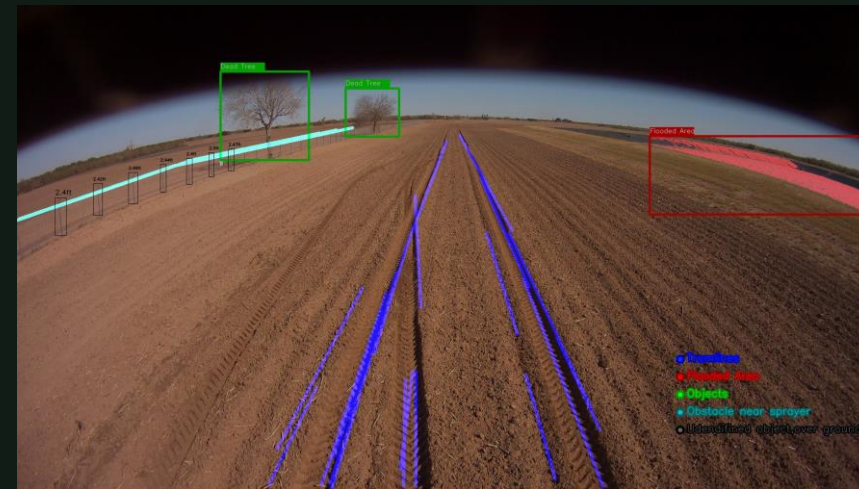
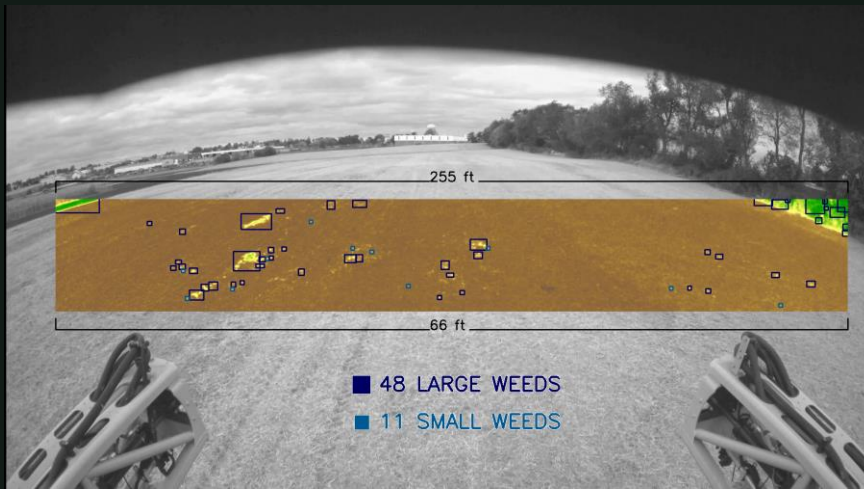
UNPARALLELLED PERCEPTION

RGB COMPUTER VISION

- Object detection
- Path Planning
- Stereo perception (crop height etc.)
- Farm elevation
- SLAM

MULTISPECTRAL COMPUTER VISION

- Patented real-time camera calibration for noise cancellation (sun position & intensity)
- Canopy status (nitrogen deficiency, disease and more)
- Biomass indices
- Crop count
- Weed Detection
- Soil water content



47 CUSTOMERS IN 25 COUNTRIES

CANADA (2)
USA (11)

EMEA (27)

LATAM (4)



AUSTRALIA (3)

14 CROPS IN 25 COUNTRIES



POTATOES
IRELAND



SOYBEAN
USA



ONION
NETHERLANDS



PASTURE LAND
SOUTH AFRICA



TULIPS
NETHERLANDS



SUNFLOWER
UKRAINE




SUGARBEETS
NETHERLANDS



GRAPES
FRANCE

MULTI-SKU USAGE-BASED SUBSCRIPTION TIERS

ONE-OFF HARDWARE OFFERING MSRP \$13k	AUGMENTA MANTIS 	SCOUTING ● REC	Crop Scouting: Free of charge. Active and Passive Scanning. 4K available.
		VIRTUALVRA ● REC	Virtual Application Maps: Free of charge. Supported operations simulation + Reports.
ANNUAL SAAS OFFERINGS	AUGMENTA •LIVE VRA	•LIVE VRA NPK	Variable Nitrogen and Foliar Fertilizers Automation: Price of \$2/planted acre, ROI: 8-15% savings, 2-12% yield increase
		•LIVE VRA PGR	Variable PGR Automation: Price of \$0.5/planted acre, ROI: 10-20% savings, 5-10% yield increase
		•LIVE VRA DEFOL	Variable Harvest Aid-Defoliants Automation: Price of \$0.5/planted acre, ROI: 10-25% savings
		•LIVE VRA FUNG	Q2 2022 Fungicide Real-time VRA*: Price of \$1/planted acre, ROI: 8-30% savings, 1% yield increase

“ A world where farming is sustainable, efficient and rewarding. ”

George Varvarelis
Founder & CEO

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