Grønt landbrug
via storskala-test og digitale tvillinger

September 25th 2020

September 25th 2020 All Rights reserved ©

Our VISION

To make global food production more reliable, sustainable and profitable

September 25th 2020 All Rights reserved ©

Our MISSION

To offer a generic fully automated farming system for arable farming on the global market

September 25th 2020 All Rights reserved ©

DANMARK
SOM TESTLAND
I DEN GRØNNE
OMSTILLING

Ole Green

Title

CEO of AGROINTELLI
Honorary Professor at Aarhus University

Education

Trained farmer, Agro engineer,
Agronomist, PhD Biosystem Eng.

Expertise

Automation and precision farming
Technology and intelligent solutions
for sustainable soil management

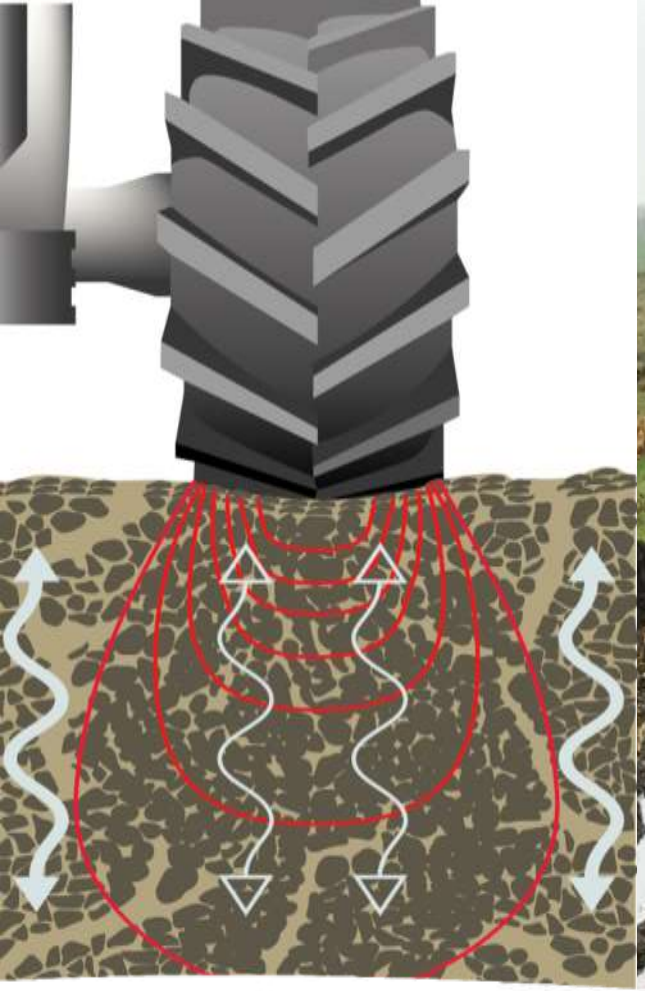
September 25th 2020 All Rights reserved ©

The PAIN

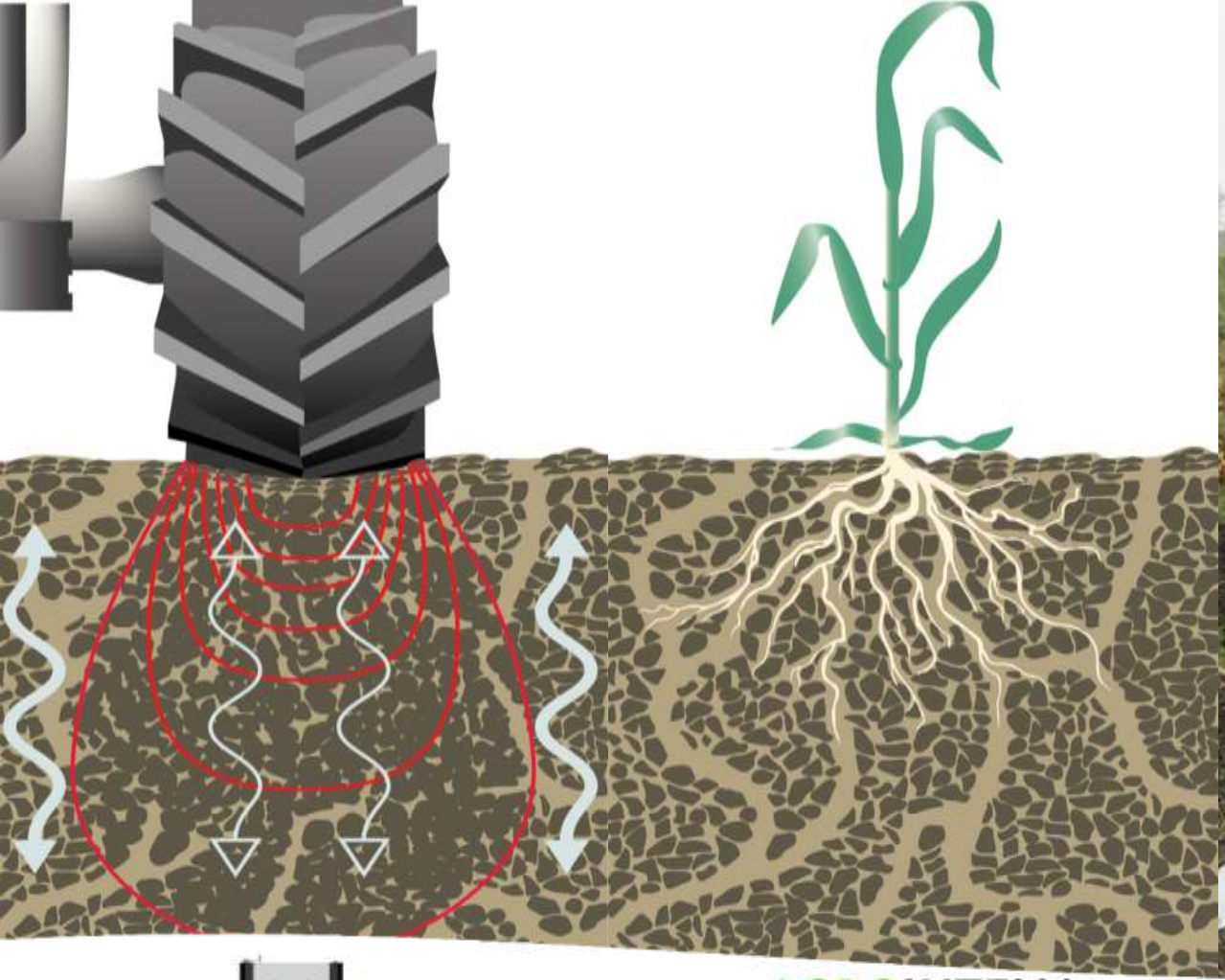
- Uniform repetitive working conditions
- Increasing weed resistance problems
- Increasing demand for food and feed
- Higher requirement for food safety
- Continual cost optimization

September 25th 2020 All Rights reserved ©

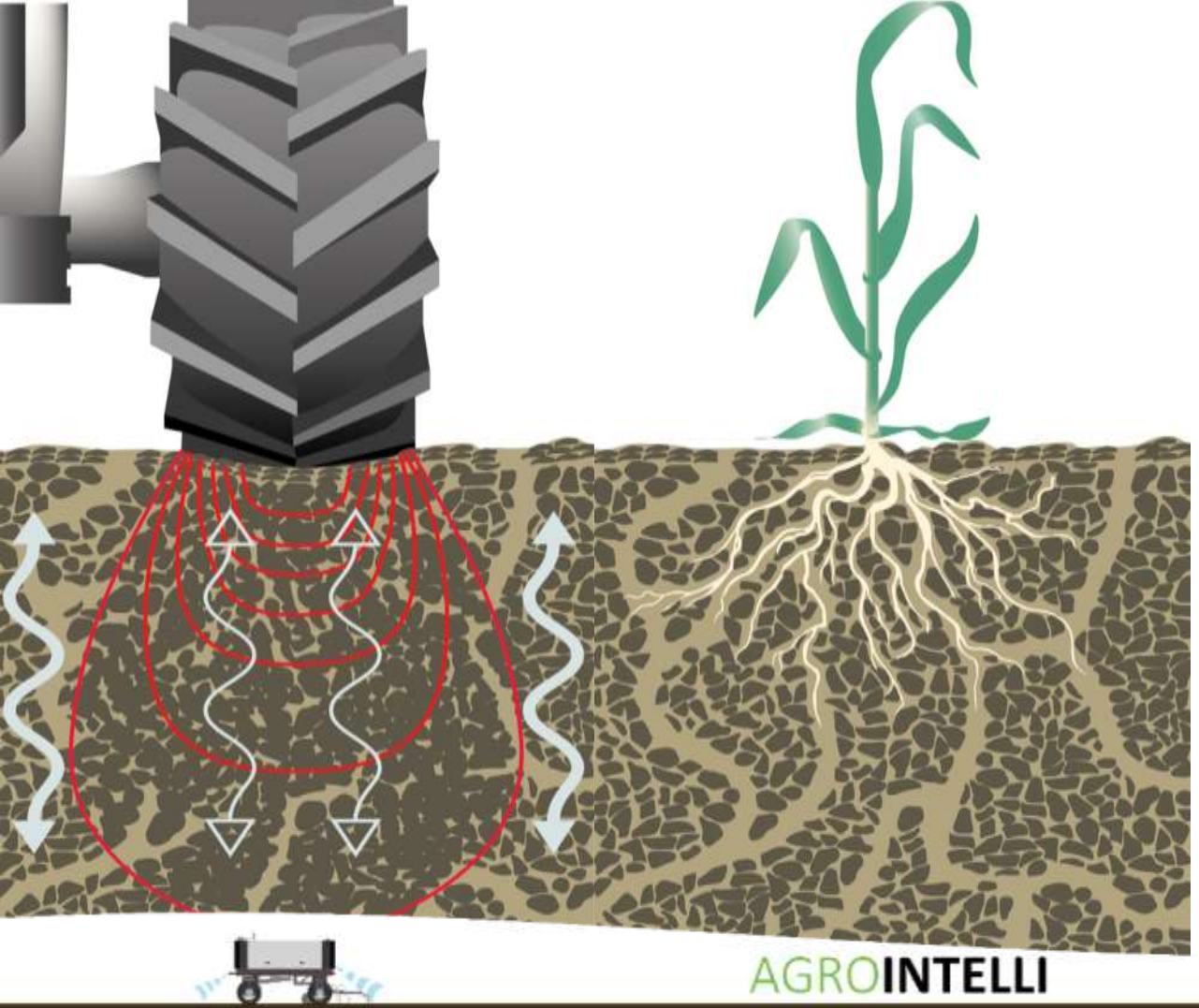
September 25th 2020 All Rights reserved ©



September 25th 2020 All Rights reserved ©



September 25th 2020 All Rights reserved ©



AGROINTELLI

Yield reduction

- Reduced water infiltration capacity
- Increased risk of erosion
- Less bio diversity
- Limited root growth with lower soil volume access per plant

 All Rights reserved ©

The SOLUTION

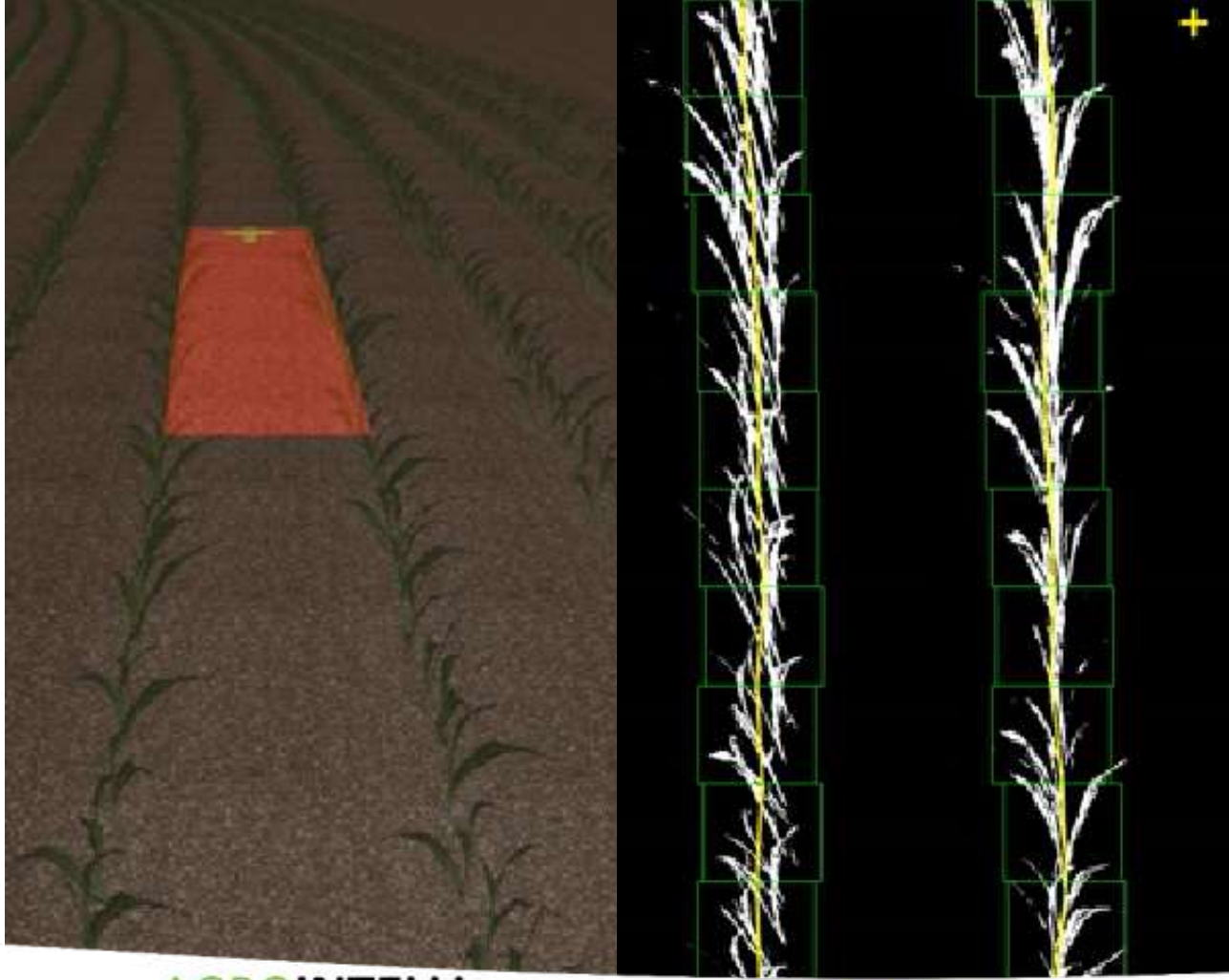
- Precision farming and site specific management
- Big data and artificial Intelligence
- Automation and robotics

ROBOTTI

September 25th 2020 All Rights reserved ©

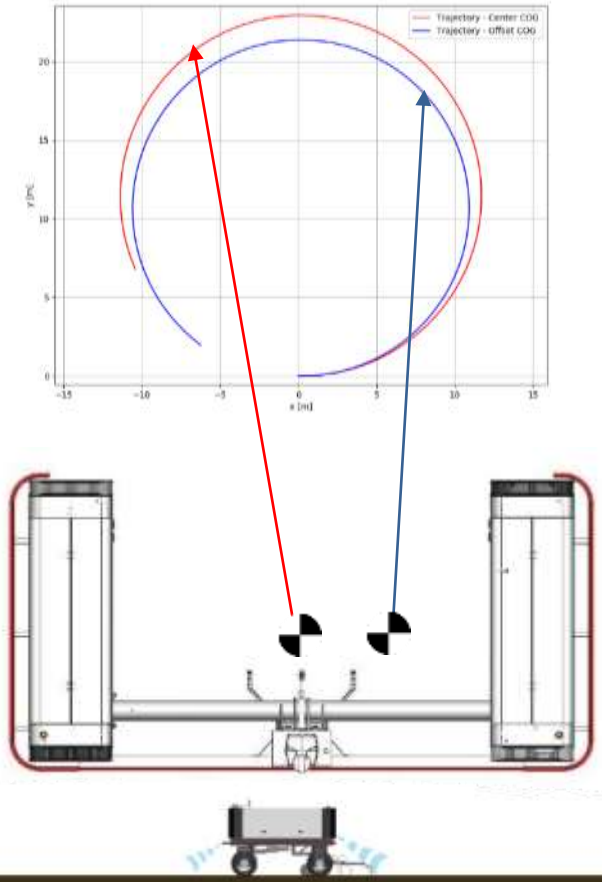
The technology

- Use of Big Data and Model based development for products and solutions
- Use of Cyber-physical system validation



September 25th 2020 All Rights reserved ©

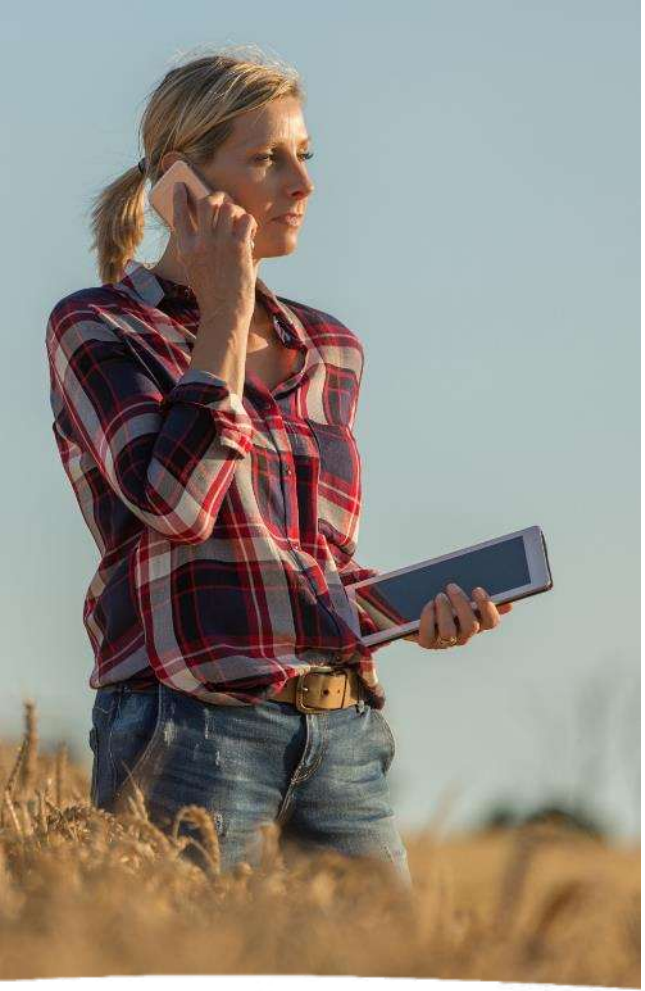
Ex. Turning Capabilities as a function of weight distribution



Modelling and simulations

- Modelling of Multiple interacting systems
- Model-based visualization
- Development independently of external factors.
- Accounting for modularity in the design

September 25th 2020 All Rights reserved ©



Our CUSTOMER

Age	30-45 year
Gender	Male & female
Origin	Global
Education	Agronomic and business
Need	Profitable business
Pain	Lack of reliable workforce
Objective	Data driven food production
Utilization	Arable, horticulture, viniculture & berry production

September 25th 2020 All Rights reserved ©

STOMER

	30-45 year
	Male & female
	Global
n	Agronomic and business
	Profitable business
	Lack of reliable workforce
ctive	Data driven food production
zation	Arable, horticulture, viniculture & berry production

September 25th 2020 All Rights reserved ©

September 25th 2020 All Rights reserved ©

September 25th 2020 All Rights reserved ©

September 25th 2020 All Rights reserved ©

September 25th 2020 All Rights reserved ©

We NEED

- 3rd party evaluation and documentation, essential for global market penetration
- We cannot as the first customer with a new need for testing, pay for the initial investment
- Large scale demonstration

September 25th 2020 All Rights reserved ©

September 25th 2020 All Rights reserved ©