ustainable Mechanisation

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• Although

AGROINTELLI

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Ole Green



TitleFounder of AGROINTELLI
Honorary professor Aarhus
University, dept. of AgroEcologyEducationTrained farmer, Agro engineer,
Agronomist, PhD Biosystem Eng.

Expertise

AGROINTELLI

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

Our VISION

To make global food production more reliable, sustainable and profitable



ROBOTTI



Our MISSION

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



ROBOTTI





PAIN



- Uniform repetitive working conditions
- Soil degradation
- Optimized use of pesticides and nutrients/fertilizers
- Increasing demand for food and feed
- Higher requirement for food safety
- Continual cost optimization





Future Farming











6



Automation The SOLUTION

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



The IMPACT

- Enables uniform task performance
- Minimizes soil compaction
- Brings important feedback to the farm manager
- Ensures accurate documentation

ROBOTTI



ROBOTTI



Enables uniform task performance



Minimizes soil compaction



Ensures accurate documentation



Deep

Sustainable design and production

ROBOTTI



Video from Naio Technologies, France







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Video from FarmDroid, Denmark







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A development journey of Robotti – Our agricultural robot, using digital twins and cyper physical systems





























Data driven farming

 What type of data will the farmer of tomorrow be able to extract, deliver and utilize...



ROBOTTI data

Camera

CropEye camera:

- Soil
- Crop
- Weed
- Quality of work

Excipients

- Fuel
- Pesticides and nutrients







ROBSLCROPS AGROINTELLI

Robotti survailiance







Robotti survailiance



2:10 &

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Robotti data Crop data

Peep Robotics



ROBOTTI Mapping Mapping of

• residues





ROBOTTI Mapping Mapping of

- Growth status
- Germination uniformity





ROBOTTI Mapping Mapping of

Deep

Robotic

- Weed intensity
- Weed distribution
- Weed species

ROBOTTI











For the future generation



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The robot(i)s are comming









Thank you

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