E-TERRY

SCALING SUSTAINABLE AGRICULTURE
THROUGH ROBOTICS & AI

Agriculture is torn between

1 securing food for a rising population

70% [1]

more food production needed until 2050 to feed the world population

157 M [2]

shortfall of workers in the agricultural sector until 2030 worldwide

2 minimizing environmental impact

1.2 B [3]

hectares already degraded farmland due to unsustainable farming practices

24% [4]

of global green house gas emission due to agriculture

(1) FAO, 2009 (2) OECD, 2023 (3) Statista, 2023 (4) German Environment Agency, 2024

With current technology, sustainable farming is not efficient

- **Work Intensity**
  Up to 68% more manual labor with sustainable farming practices combined with a severe staff shortage [2, 5]
- **High Cost**
  Farmers spend up to 15x more on operating costs for sustainable farming practices [5]
- **Low Yields**
  Up to 40% lower yields due to more weeds, limited fertilizer and pest control [6]

(5) KTBL, 2024 (6) Seufert et al., Nature 2012

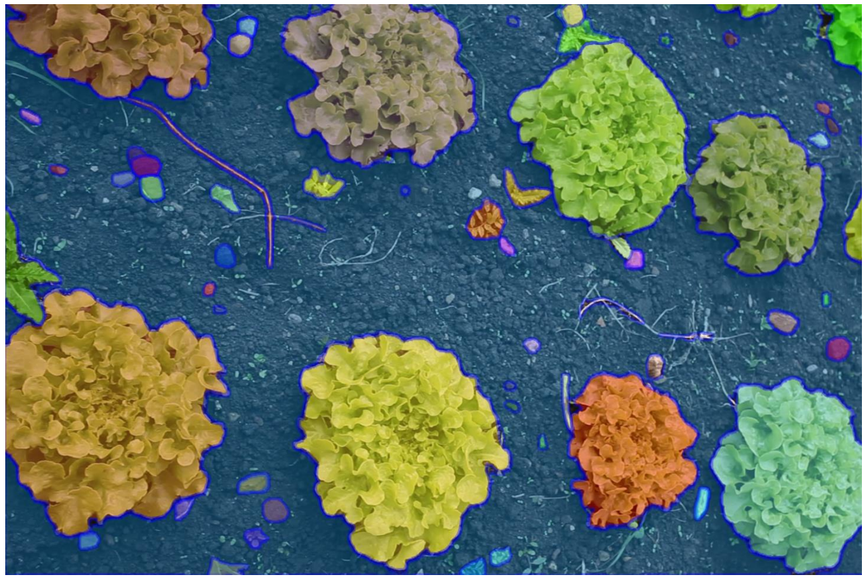
We tackle this gap by automating and digitizing the **full crop life cycle** – from seed to harvest

- Autonomous operation
- AI-powered precision
- Universal deployment

Patented under: EP3826901

First Use Case - Mechanical Weeding

- In-Row weed control module
- Interchangeable tool tips
- Flexible row configuration



- Trainable AI Algorithm
- Individual plant monitoring
- Continuous Learning

To maximize market penetration, we build upon the strong relationship between farmers and their service providers

Provides the robot and keeps the ownership

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- 70% profit margin
- amortization of robot after one year

Performs Farming-as-a-Service & maintenance

Agricultural Service Provider

- 2x profit margin
- 50% less work compared to their normal services

Benefits from full outsourcing

Farmer

Farmer

Farmer

- 360 h / ha manual work avoided
- up to 40% cost saving, no upfront invest

Let‘s future-proof farming together.

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