



TEAM

- ◇ Guadaluna Chaer: **CEO**
- ◇ Georgy Kassab: **COO**

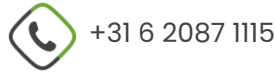
- ◇ Jad Mansour: **CTO**
- ◇ Ghassan El Bounni: **AI**
- ◇ Angelo Yaghi: **Mechatronics**
- ◇ Fadi Kaafarani: **Data & AI**
- ◇ Abdullatif: **Data & AI**

ADVISORS

- ◇ Harrie Te Raa: **Agri Specialist**
- ◇ Roger Ottenheym: **Strategy**

TECHNICAL PARTNERS

- ◇ Stogger B.V.: **Electronics**
- ◇ ADDIT: **Manufacturing**
- ◇ Maastricht University



Startup and Funding Information



- ◇ AI Validated
- ◇ Two Free Demos Conducted
- ◇ 5 more demos planned for Spring 2025

FUNDING TO DATE



Subsidies

**1st tranche out of
€350,000 LVFF*



Venlo, Netherlands

PROBLEM

- ◇ Huge financial losses because of weeds and current weeding methods, amounting to up to 50% of the farmer's profits!
 - ◇ Manual labor is getting expensive and more difficult to find, and farmers rely heavily on them to remove weeds close to the crops, with no precise technology alternative
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- ◇ Soil disruption is present in traditional and new weeding technologies, and only lasers or electrical weeding are considered regenerative, preserving soil integrity.

MARKET

- ◇ **Weed Control TAM:** €30B
- ◇ **SAM:** €3.3B, including 7 priority crops in 7 EU countries
- ◇ **SOM:** €120M
- ◇ Urgent need to replace manual labor and herbicides, allowing stricter herbicide regulations.
- ◇ Global robotic weeding machines market to increase by €242.78 million from 2021 to 2026. **18.41% CAGR**

Value Proposition

- ◇ 50% more affordable, 60% more lightweight, and 70% more power efficient while breaking laserweeding speed records!
- ◇ Ultra-precise targeting of weeds no matter how close they are to the crop
- ◇ 1-2 years payback time of the machine after purchase (for farmers)
- ◇ Available in different sizes (1.5m, 2.25m, 4.5m, 6m, 9m) for widespread adoption

SOLUTION

- ◇ LUXEED is using lasers and AI to eliminate weeds with high-precision, ZERO herbicides needed.
 - ◇ We promote organic and regenerative farming practices, while adapting laser weeding technology for EU agriculture.
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- ◇ Balancing precision, affordability, speed, to make laser weeding accessible to EU farmers.
 - ◇ Modular design, integratable on small driverless tractors, unlike current machine on the market from Carbon Robotics.

TRACTION

- ◇ Support from 3 Dutch Farming Association/Companies: Agrifirm, BDEKO, LLTB
- ◇ Interest from bigger companies: Kubota, Grimme, AGXEED, Aeres
- ◇ Serious interest from 10 Dutch farming companies