



CO-FOUNDER NEEDED

Solea

-Laser weeding of your driveway



THE PROBLEM

Weeds in gravel, pavements, and hard surfaces are currently removed manually, by herbicides, or thermal methods. These approaches are labor intensive or environmentally problematic (and illegal).

OUR SOLUTION

An autonomous robot that detects weeds using computer vision and eliminates them with a targeted laser pulse. The system combines plant detection with a precise laser, and removes the weed.

PATENT STATUS

No patents have yet been filed.

FINANCIAL OVERVIEW

Funded by DTU Discovery Grant and DTU PoC grant. Awaiting ESA BIC decision and planning application to InnoExplorer. Target market entry in 2027 with break-even estimated at ~250 units annually. Sales primarily B2B to landscapers and large property owners via direct sales and distributors.

MILESTONES

Prototype robot developed and tested. Large interest among landscapers, country estate owners etc.

Next milestones: securing funding, field trials, safety validation, and first pilot deployments.

TARGET MARKET & CUSTOMERS

Customers are professional landscapers, facility managers, and owners of large estates, castles, and commercial properties. Initial focus is Denmark followed by the rest of Europe.

CO-FOUNDER WE ARE LOOKING FOR:

- Take a prototype to an industrial-grade product
- Optimize component and design cost
- Optimize for mass production
- Understand electrical optimization
- Understand mechanical optimization
- Understand regulations and compliance (Machinery Directive, etc.)
- Experience in laser safety testing and certification by an accredited test laboratory
- Experience in post-launch lifecycle of hardware products: operations, continuous development, versioning, customer support, and repair/service infrastructure.

PERSONAL FIT

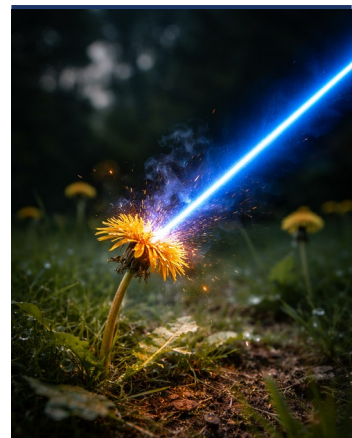
Looking for a pragmatic and ambitious person who enjoys building things from scratch and moving fast. Execution focused, disciplined, and comfortable making decisions under uncertainty. Personal chemistry matters: collaborative, honest, and someone you can both work intensely with and enjoy a beer with.

BACKGROUND OF CURRENT CO-FOUNDERS

Founded by Nis Fisker-Bødker, PhD from DTU in robotics and autonomous lab systems. Experience in startups. Co-founder professor Lazaros Nalpantidis (DTU Electro), expert in weed recognition.

PHYSICAL ADDRESS

Workshop is located at Sluphusvej 4, 4000 Roskilde. Work will be hybrid.



ABOUT OPEN ENTREPRENEURSHIP

Open Entrepreneurship is a collaboration between all Danish universities aiming to create more research-based startups.

www.open-entrepreneurship.com



SUPPORTED BY

Uddannelses- og
Forskningsministeriet