Service ID S00015

Location Sweden

Experimentation Robotics Crop production

Provider service

RISE - Research Institutes of Sweden

Link to content

https://agrifoodtef.eu/catalogue-of-services/experimentation-robotics-crop-production

Type of Sector

Arable farming

Accepted type of products

Design / Documentation, Physical system, Software or AI model

Type of service

Desk assessment, Performance evaluation, Test execution

Description

RISE and AstaZero provide customised experiments focused on robotic and AI solutions for agriculture, tailored to meet the specific needs of your business. Our service is flexible, ensuring that we effectively address your unique requirements and challenges.Our team works closely with your organisation, leveraging the combined expertise and resources of RISE and AstaZero. From the initial consultation through to final implementation, we collaborate to develop and refine innovative solutions that boost efficiency, productivity, and sustainability in agricultural practices.The service includes comprehensive assessments, personalised recommendations, and ongoing improvements based on real-world testing and feedback. Whether you need advanced robotics for automated harvesting, AI-driven analytics for crop monitoring, or integrated systems for precision farming, our solutions are crafted to deliver concrete results.By opting for our service, you gain access to cutting-edge technology and a dedicated team committed to enhancing your agricultural operations. Discover the advantages of tailored robotic and AI solutions designed to elevate your business to new heights.

How can the service help you

RISE and AstaZero's "Experimentation Robotics Crop Production" service addresses key challenges in agricultural operations by boosting efficiency and productivity. This service tackles issues related to manual labor, data management, and operational inefficiencies.

Before the Service: Customers often struggle with labor-intensive tasks, cumbersome data handling, and ineffective crop management.

After the Service: Customers receive in-depth assessments and tailored recommendations that facilitate the automation of routine tasks, enhance data processing, and optimise crop production. For instance, a customer utilising robotic harvesters will gain valuable insights into performance metrics, such as error rates and operational efficiency under various conditions, leading to improved workflows and streamlined operations for enhanced productivity.

How the service will be delivered

The assessment journey begins with a collaborative meeting, where the customer engages in discussions with a technical team from agrifoodTEF, which includes specialised experts from RISE or AstaZero. A representative from the customer's team will also be present to help guide the process.

Service customisation

Logistics: the agrifoodTEF project offers the following facilities and support for the company:

- Open soil for tillage and navigation testing.
- Grass-covered land for test driving and navigation tests.
- Soil preparation.
- Personell assistance for experimentation.
- A control room with a view of the test field, connectivity, and electricity.
- Opportunities for the company to demonstrate their agricultural robot to visitors at the RISE testbed.

Delivery Period: The service is available during the growing season

Duration: The service execution spans several weeks, depending on the complexity of the tests.