

**Service ID**

S00190

**Location**

Poland



## Providing demonstration testing on the test field of robotic or AI-driven s

**Provider service**

Łukasiewicz - Poznański Instytut Technologiczny

**Link to content**<https://agrifoodtef.eu/services/providing-demonstration-testing-test-field-robotic-or-ai-driven-solutions>**Type of Sector**

Arable farming, Food processing, Greenhouse, Horticulture, Livestock farming, Tree Crops, Viticulture

**Accepted type of products**

Design / Documentation, Physical system, Software or AI model

**Type of service**

Data analysis, Desk assessment, People training, Performance evaluation, Provision of datasets, Test design, Test execution

**Description**

As part of the service, a testbed will be provided for product demonstration of robotic machines along with AI systems. The polygon will be configured and prepared to meet the customer's individual needs in terms of field operations, technological processes, and communication. The service provider will provide polygons with a variety of surfaces according to the customer's specifications, e.g., meadow, ploughed field. The service will include soil moisture control, continuous monitoring of the field, and all activities carried out on it. The service providers will provide the necessary assistance and infrastructure needed to support the fieldwork carried out by the surveyed sites. The service may also involve demonstration of AI systems used in apiaries.

**How can the service help you**

Our service provides a field testbed with extensive configuration capabilities. They allow full demonstration of the capabilities of machines and equipment equipped with AI systems in operational conditions. The demonstration can include the presentation of the functional capabilities of the machine, the effects of its work, and the efficiency of its operation under various conditions. The jointly acquired way of conducting the demonstration will allow a broad demonstration of the technical and technological capabilities of the demonstrated device, machine, vehicle, or robot. For the proper conduct of the

**How the service will be delivered**

Our service is based on a structured process of preparing a facility to conduct demonstrations of the operation of facilities equipped with artificial intelligence systems.

**Service customisation**

Our service offers to adapt, as far as environmentally possible, the condition of the training ground to the target conditions in which the demonstration of the object under study is assumed. Bringing the selected crop to the appropriate, required phase of its development, technological maturity requires a certain amount of time from the moment of acceptance of the service. In this case, it is also necessary to consider the conditions of the climate (the variability of the seasons, the inability to carry out tasks in winter).