

**Service ID** S00046



**Location** At user's premises, Austria

## Testing of the person detection function of a robot

### Provider service

Josephinum Research (JR)

### Link to content

<https://agrifoodtef.eu/catalogue-of-services/testing-person-detection-function-robot>

### Type of Sector

Arable farming, Horticulture, Tree Crops, Viticulture

### Accepted type of products

Physical system, Software or AI model

### Type of service

Collection of test data, Performance evaluation, Test design, Test execution, Test setup

### Description

This service tests the robustness and accuracy of a solution to detect moving objects, such as people. We conduct these tests manually in the field to ensure that your device is evaluated under realistic conditions, providing you with reliable insights into its performance and areas for improvement. The test will be done under various conditions (different illuminations, rain, sunshine, diffuse light, etc.) to address the needs of your customers. You will receive a report of the system's capabilities as well as under which conditions the detection should be improved.

## **How can the service help you**

After the tests, you have more information about where your system is doing well and under which conditions there is room for improvement. Also, you will receive a report of the test setup as well as the conditions of the test and the behaviour (how many mistakes, how often a person loses, etc.) of your system.

## **How the service will be delivered**

The service can be customised for your needs. We are doing tests under the conditions your system should be capable of, like sunshine or rain. The service can be done through the year, but consider the leafless winter months as well as snow in the region.

## **Service customisation**

The service can be delivered through the whole year. The execution can take from just one week up to a year or more to test all possible conditions for your system and the evaluation of the results. The service can be executed in Wieselburg in our test fields or in your location. You will receive a report of the tests that have been done. You have to provide the system (AI model, camera, robot) so we can test them.