Service ID S00122

Location At user's premises, Italy, Rei

Testing of edge intelligence and IoT architectures

Provider service

Fondazione Bruno Kessler

Link to content

https://agrifoodtef.eu/services/testing-edge-intelligence-and-iot-architectures

Type of Sector

Arable farming, Horticulture, Livestock farming, Tree Crops

Accepted type of products

Design / Documentation, Physical system, Software or AI model

Type of service

Test design, Test execution, Test setup

Description

Testing of AI and robotics solutions leveraging edge computing and communication protocols in the IoT cloud-edge continuum. Can be a digital test (run on virtualised machines) or a physical test deployed either at the customer's premises or using the wide coverage wireless network installed in Trento valleys (Val d'Adige and Val di Non) for fruit crops (including but not limited to apples and grapes). FBK can support test design, proposing a benchmarking architecture to stress and monitor key components, helping to understand bottlenecks, allowing for better performance, lower bandwidth use, more reliability, and lower operating costs of tested solutions.

How can the service help you

Using this service, the customer gains a comprehensive evaluation of its solutions, understanding if it is properly set up to exploit the advantages of working in the IoT edge continuum.

How the service will be delivered

The service's execution takes approximately 16 weeks; adaptability is needed.

The service can be completely digital or physical, delivered to the user’s premises but always focusing on the software and communication protocols. The customer provides data sets (or should acquire data sets by FBK with service S00353) and should engage in test design discussions for testing and benchmarking of AI and robotics solutions.

Service customisation

Service customisation is envisaged according to the specific sector tackled.