

Service ID

Location Italy



Testing and validation of IoT and blockchain enabling technologies to me

Provider service

Università degli Studi di Napoli (UNINA)

Link to content

<https://agrifoodtef.eu/catalogue-of-services/testing-and-validation-iot-and-blockchain-enabling-technologies-measure-and>

Type of Sector

Arable farming, Food processing, Greenhouse, Horticulture

Accepted type of products

Design / Documentation, Software or AI model

Type of service

Collection of test data, Data analysis, Performance evaluation, Test execution

Description

We offer a dedicated service for the testing and validation of IoT- and blockchain-enabled technologies aimed at improving workplace safety in agriculture. Leveraging our expertise and specialised facilities, we support the evaluation of smart safety management systems that integrate RFID, automated surveillance, and real-time PPE monitoring. These technologies enable transparent, tamper-proof records of safety-related events and help ensure compliance with regulatory standards. Our service includes field testing, data analysis, and system optimisation to help companies refine their solutions and accelerate safe and effective implementation in real agricultural environments.

How can the service help you

This service is for customers that need to test or validate the performance of AI-based systems/devices/procedures that enhance workplace safety. The service can also provide technical advice and recommendations to customers towards compliance with national and EU regulations.

How the service will be delivered

The service can be customised based on customer-specific needs, specific safety targets and workplace conditions. Customisation options include advice on selecting appropriate IoT sensors, configuring RFID tracking for specific operations, and adjusting blockchain protocols for data security and access control.

Service customisation

The service will be delivered through the research facilities, expertise, and testing infrastructure of the University of Naples Federico II. Pilot tests in controlled agricultural environments can be conducted to validate the technology.