

**Service ID**

S00334

**Location**

At user's premises, Poland

## Conformity assessment and compliance tests

**Provider service**

Łukasiewicz - Poznański Instytut Technologiczny

**Link to content**<https://agrifoodtef.eu/services/conformity-assessment-and-compliance-tests>**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, Other

**Type of service**

Certification, Conformity assessment, Cybersecurity, Data analysis, ELSA assessment, LCA assessment, Performance evaluation

**Description**

As part of this service, we test and measure, among other things, mechanical, physical, acoustic, radio, electromagnetic compatibility and electrical parameters for the purpose of assessing the overall user safety of agricultural, horticultural, forestry and food machinery, equipment and components. Verification is based on the requirements of standards and directives declared by the manufacturer. We carry out an initial assessment based on the design documentation provided or/and on measurements taken on a prototype based on harmonised and non-harmonised standards with relevant EU and sectoral legislation. This is to ensure that for instance essential requirements coming from for instance New Legislative Framework directives and other EU law are fulfilled to better protect both consumers and professionals from unsafe products to be placed on the European internal market. One of the aims is to help manufacturers in legal placing agrifood products on EU single market and in CE-marking process. The results obtained can be used in the further process of product labelling, declaration of conformity to affix the CE mark to the device within the scope of EMC, LVD, RED, MD, MR on other NLF directives and regulations.

**How can the service help you**

Our testing service provides the opportunity to use a wide range of test and measurement apparatus, together with research staff specialised in its operation and interpretation of results. A prototype of a device, installation or system can be tested, as well as a finished device. Along with the object, its technical documentation can also be subjected to verification in order to indicate the necessary changes and corrections for the improvement of safe work and operation of the device under test. This service provides the client with extensive information about the tested object in terms of its operational safety, susceptibility to

**How the service will be delivered**

Our service is based on a structured process of preparation for research and the testing of the object itself, in order to assess their impact on the environment, the safety environment of their operation, reliability to external electromagnetic phenomena and the operation of objects (equipment, machines or their prototypes) equipped with systems integrated with artificial intelligence:

**Service customisation**

Our service offers customised testing for electronic and mechanical devices, robots and AI-based systems. In addition to physical testing, we offer the possibility of analysing the technical documentation of the facility to meet safety requirements. We offer tests focused on analysing changes in the state and behaviour of specific components, safety systems, with the possibility of extending measurement equipment and applying advanced data analysis techniques. Test reports are personalised and can be supplemented with workshops and training for your team.