Test and validate intelligent solutions based on sensors to optimise lives

Provider service

Centre d'Estudis Porcins

Link to content

https://www.agrifoodtef.eu/services/test-and-validate-intelligent-solutions-based-sensors-optimise-livestock-farming

Type of Sector

Livestock farming

Accepted type of products

Data, Design / Documentation, Physical system, Software or AI model

Type of service

Collection of test data, Data analysis, Test design, Test execution, Test setup

Description

The service validates that the tested solution performs as expected by the vendor or manufacturer. The objective is to detect potential mistakes in the sensor readings, the processing of the signal gathered by the sensor or in the intelligent component deriving the final information to be provided to the user to optimize livestock farming . The test can be performed at sensor or application level. The tests and validation can be performed in a laboratory or in an experimental pig farm equipped with automatic and manual measures of different variables (feed, water, CO_2, NH_3, temperature, ventilation, liveweight, etc.)

How can the service help you

This service helps detect potential errors in sensor readings and intelligent solutions, supporting accurate, reliable, and optimised livestock farming through comprehensive testing and validation at both the sensor and application levels. Recommendations on what needs to be used can be issued.

How the service will be delivered

The service can be customised for your specific product.

Service customisation

The test and validation can be performed either in a laboratory or on an experimental pig farm equipped with automatic and manual measurements of variables such as feed, water, CO_2, NH_3, temperature, ventilation, and liveweight. The service execution will depend on the complexity of the intelligent solution and the type of sensors being tested. Results will be delivered in the form of a detailed report outlining any errors or inconsistencies found, along with recommendations for optimization. Additionally, metadata on farm conditions during the test will be provided. The service is available year-round, with flexibility depending on the specific requirements of the solution being tested. Customers will need to provide access to the intelligent solution and any necessary sensor data. Remote testing options are also available.