iFishCan

Intelligent monitoring of food loss and food waste for the fish canning industry

The iFishCan testbed is a cognitive IIoT platform designed to improve the efficiency of the fish canning industry. It addresses small and medium-sized enterprises that want to reduce their food waste and their environmental impact.

iFishCan consists of a low-cost sensor network connected through an IIoT system, which collects data in real time; an advanced AI-engine coupled to a manufacturing execution system (MES) allows predicting different process indicators.

With the mobile testbed, companies can make better-informed decisions and optimise water and energy consumption. iFishCan can be easily adapted and scaled to different types of fisheries and products with a high customisation grade.

Testbed main goals

10%
Less food loss during production

5-10%
Less energy consumption

5-20%
Less water consumption

"Thanks to the European Institute of Innovation and Technology, we were able to build a strongly multidisciplinary team, formed by several start-ups and research and development centres from different Knowledge and Innovation Communities, which was capable of conceptualising and implementing an innovative technological solution addressing the food waste and loss as well as other environmental indicators in the food manufacturing industry."

Idoia Olabarrieta Paul
Senior Researcher at AZTI

Our project partners

Academic | Research

AZTi
MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

INESCTEC

SMEs | Start-ups

flow technology
simplify π

AI TALENTVM

Interested in using the iFishCan testbed?

Testbeds are a great opportunity to mirror real-life manufacturing sites. If you are focusing on food loss reduction and food waste monitoring or would like to track your energy and water consumption, try out our testbed!

With iFishCan you will benefit from our
- Manufacturing Execution System (MES)
- AI prediction tool to track your water, energy and waste efficiency
- real-time process monitoring system

Contact us!

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