

**DESCRIPTION OF THE CHALLENGE****CHALLENGE**

16.1- Detection and elimination of foreign object in the food manufacturing process.

SUMMARY**We are looking for a solution company for...**

- Detecting and eliminating foreign objects in manufacturing processes, i.e. any element that is not part of the final product.

HOW COULD WE**Get a solution...**

- That ensures food safety and product manufacturing quality with 0 foreign objects.
 - By reducing the foreign object rejection rate of current filtering systems (metal detectors, lightning, filters).
 - Without generating any false rejection.
 - By incorporating artificial intelligence process (not mandatory).

REQUIREMENTS**The company must...**

- Comply with food hygiene and safety requirements according to current standards and regulations.
- Ensure that the solution can be integrated into current production processes.
- Ensure that the solution can be applied to the full range of products being manufactured, taking into account the variety of raw materials and all production lines (the product has a thickness of approximately 3cm and is composed of different fatty and aqueous raw materials in different states (solid, liquid and gas)).
- To be able to train the machines with AI until they learn the needs for foreign object search.

TYPE OF CHALLENGE

P M **T** C S O

Product – Market – **Technology** – Channel – Society – Others