

# PICK-A-FUTURE: NEXT GENERATION FRESH FISH PICKING SYSTEM AND SPECTRAL QUALITY CONTROL

## PROJECT START 01/01/2020

1.303.858 €: Total  
1.018.485 €: EIT funding

Business and Technical Specifications  
04/2020

Optical Inspection Model  
06/2020

First demo System in industrial environment  
12/2020

First integrated and optimized system in industrial environment  
12/2021

Business Plan completion  
12/2021

## CHALLENGE



- **Societal:** Food Security, health and wellbeing
- **Manufacturing:** Speed, accuracy, continuous production, 100% checks, attractiveness for young people and manufacturing workers
- **Technological development:** Fresh fishes present diverse sizes, shapes, appearance and deformable nature



## SOLUTION



- Develop and deploy a new Human-Robot Collaboration process, including new disruptive solutions with no market competition, fully integrated and optimized



## BENEFITS



- Increased yields and outputs
- ↗ ergonomics, health, safety
- Spectral quality control (from sampling to 100% checks)
- Kindly picking system
- Migration of some operators to other needed & new processes

## MAIN PROJECT RESULTS

A GROUNDBREAKING PICKING SYSTEM

AN INTEGRATED AND OPTIMIZED SYSTEM IN INDUSTRIAL ENVIRONMENT

SPECTRAL QUALITY CONTROL CHAMBER

*“ thanks to EIT and its continued support, we were able to set up a consortium that is trying to set the bar even higher with a range of disruptive solutions ”*



**NUNO GOUVEIA**  
Senior Project Manager

**MAIN SOLUTION**  
Next Generation Fresh Fish Picking System and Spectral Quality Control

**AIM:** redesign a whole process based on a Human-Robot Collaboration mindset, including innovative new solutions