

# TFOOD

## Teaching factory for the food industry

Food loss reduction and supply chain efficiency are the focus of this digital testbed for the primary sector. A teaching factory builds the bridge between academia and industry and creates a basis for new synergy models.

The consortium, consisting of partners from the milk processing industry, is working on a robotics-based demonstrator for food processing, applying autonomous pick-and-place operations to package small production batches.

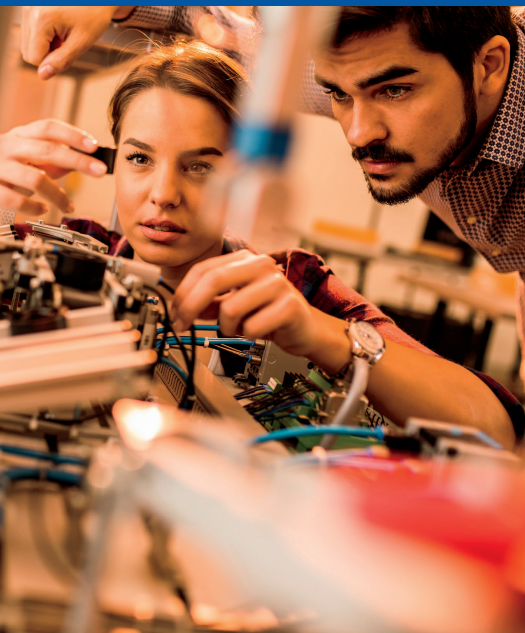
Furthermore, the testbed consists of digitised milk cooling tanks, which allows continuous monitoring. This results in better awareness of critical parameters for raw milk and less food loss.

### Testbed main goals

 **10%**  
Less food loss in the primary sector

 **5%**  
Less manufacturing lead times

 **1**  
Established and operating  
teaching factory



"Thanks to the European Institute of Innovation and Technology, we were able to provide an Industry 4.0 testbed which offers the service of the required infrastructure and knowledge for developing, testing and validating digital and advanced manufacturing solutions and IoT in a safe and cost-effective approach for companies without requiring any significant capital investment, addressing food waste loss and other environmental indicators in the food manufacturing industry."

**Kosmas Alexopoulos**  
Research Engineer at LMS



## Our project partners

### Academic | Research



### Companies (SMEs and LEs)



## Interested in using the TFOOD testbed?

Testbeds are a great opportunity to mirror real-life manufacturing sites. With the TFOOD testbed you can:

- Use our robotic-based demonstrator to test your processes
- Benefit from our sensor technology, which allows continuous monitoring and the reduction of food loss
- Train your team with our teaching factory

### Contact us!

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