

# EU Brokerage Event

## on Industrial KET\* in Horizon Europe

**11th May 2021 • online**

**Conference &  
Bilateral/B2B Meetings**

**Calls  
2021 - 2022**

**Project idea/ Field of  
expertise:**

Multi-techniques Non Destructive Testing  
associated with automatic data analysis

**Organisation Name:**

INSA Lyon

**Addressed topic(s):**

HORIZON-CL4-2021-TWIN-TRANSITION-  
01-02: Zero-defect manufacturing towards  
zero-waste (IA)

## **INSA – National Institute of Applied Sciences Laboratory of Vibrations & Acoustics (LVA)**

- INSA-Lyon is a polytechnical university (5400 students over a 5 years course, 700 researchers in 23 research labs)
- LVA is an applied research lab (~15 researchers, ~30 PhD students)
- Research Activities :
  - Vibro-acoustics
  - Identification & localization of noise sources
  - Noise perception
  - Non Destructive Testing (X-rays, ultrasonics), Structural Health Monitoring
- Past experience in EU projects for weld inspection, castings inspection, noise perception...

# Our project idea / expertise

- One technique is often not sufficient for a complete reliable inspection
- We propose **multimodal non destructive testing techniques (X-rays, ultrasonic, acoustics...) associated with data analysis in particular combination of information coming from various sensors.**
- Such an approach is a valuable tool for **zero defect strategy.**

# Contact details

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