

# EU Brokerage Event

## on Industrial KET\* in Horizon Europe

\*Key Enabling Technologies

10th November 2022 • Strasbourg

Conference &  
Bilateral/B2B Meetings

Calls  
2023- 2024

**Project idea/ Field of  
expertise:**

**Manufacturing and Production**

**Organisation Name:**

**CEDRAT TECHNOLOGIES**

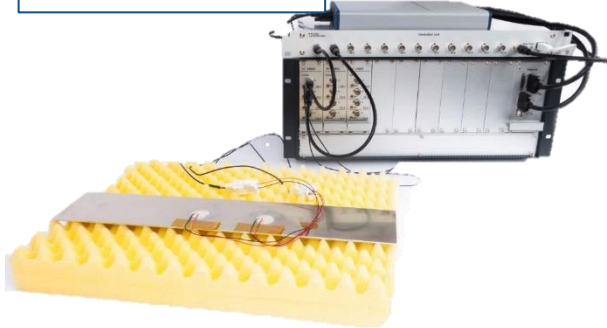
**Addressed topic(s):**

**Mechatronics Components**

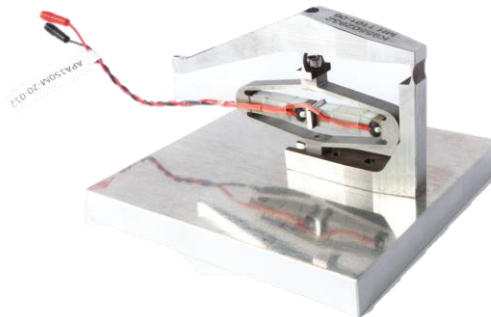
# SME Cedrat Technologies

- Engineering company with a large experience in EU funded projects.
- We provide components and expertise in:

## ✓ Sensors



## ✓ Mechatronic functions



## ✓ Smart Actuators



- › Micro & fast positioning
- › Shaking, force testing
- › Vibration assistance
- › Ultrasonic processing
- › Active damping
- › Position sensing
- › NDT & health monitoring
- › Fluid control
- › Energy harvesting

# Our project expertise

- **Vibration assistance using piezo mechanisms (FSM)**
- End-user: Manufacturing machines using high power laser:
  - Laser cutting/welding/metal fusion (additive manufacturing).
- **Objectives:**
  - Cutting speed and quality increased
  - Power consumption reduced
- **Problem, actual solution:**
  - Galvo scanner heavy, large size and slow
- **Solution:**
  - Strong spatial heritage
  - One mirror, one product with 3 DDL
  - Infinite lifetime with precise flexure joint
  - Highly dynamic



# Contact details

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