CEA LETI – Systems department

Sensors, systems of sensors

Project Idea Expertise	**Sensors: integration, autonomy** **Quantum, piezoelectric & acoustic sensors**
Organization name, town and country	French Alternative Energies and Atomic Energy Commission CEA, Grenoble France
Addressed topic(s)	HORIZON-CL4-2027-01-MAT-PROD-03: Factory processes and automation for de- and re-manufacturing (RIA) (Made in Europe partnership) HORIZON-CL4-2027-01-MAT-PROD-06: Circular innovative advanced materials: facilitating the transition from design to markets HORIZON-CL4-2027-02-DIGITAL-EMERGING-52-two-stage: New approaches for Human/AI collaboration for the workforce of the future (RIA)

French Alternative Energies and Atomic Energy Commission (CEA)

The CEA has positioned itself as a key player in building the European research area through its involvement and recognition in numerous European research initiatives and bodies. Its actions are carried out in line with its strategies in several fields of expertise:

- nuclear & renewable energies
- defence & security
- new technology
- physical sciences & the universe
- health & life sciences
- climate & environment

At CEA LETI, Systems Department has a strong activity on energy electronics and sensors.

Our main interest is in systems and sensors – energy and data management.

The R&D activities concern sensors (high performances), integration (harsh and constrained environments), autonomy (wireless, energy harvesting) and also virtual sensors (SoH, predictive maintenance).

CEA potential contribution

- CEA LETI, System department can contribute to the following 3 calls :
- HORIZON-CL4-2027-01-MAT-PROD-03: Factory processes and automation for de- and re-manufacturing (RIA) (Made in Europe partnership)
- HORIZON-CL4-2027-01-MAT-PROD-06: Circular innovative advanced materials: facilitating the transition from design to markets
- HORIZON-CL4-2027-02-DIGITAL-EMERGING-52-two-stage: New approaches for Human/AI collaboration for the workforce of the future (RIA)

One could contribute on the following subjects :

- Power electronics and energy conversion
- System autonomy
- Sensor and system reliability
- Quantum sensors

Contact details

Contact person	[Anca Nicoleta Pirvanescu]
Organisation:	[CEA LETI]
Address:	[Grenoble, FRANCE]
Phone:	[+33608946207]
E-mail	[anca-nicoleta.pirvanescu@cea.fr]
B2Match profile	
LinkedIn/Twitter	[http://www.linkedin.com/in/nicoletapirvanescu]

