

# The R&D of micro/nanotechnologies for prototypes and demo`s of innovative products & smart systems integration

<b>Project Idea</b>	<b>Applied research, product / process development of prototypes and demonstration by micro/nanotechnologies of innovative materials and hi-tech applications</b>
<b>Organization name,</b>	<b>SITEX 45 SRL, BUCHAREST, ROMANIA</b>
<b>Addressed topics</b>	<b><i>Expertise relevant to multiple topics like of calls</i></b> <b>Cluster 4 2025 Call - INDUSTRY</b> <b>Cluster 4 2025 Call - INDUSTRY two-stage</b> <b>Cluster 4 2025 Call - DIGITAL - CNECT</b> <b>Cluster 6 calls 2025</b>



# SITEX 45 SRL



Parcul stiintific si tehnologic

- Started its operations since 1992 in,Scientific and Technological Park for Micro & Nanotechnologies MINATEC-RO ,Bucharest,Romania
- SME with research industry oriented[ activity, with <25 scientific and technical staff
- R&D,Prototyping and microproduction of microsensors/Microsystems MEMS/MOEMS (I)
- Smart systems integration for analytic monitoring instrumentation,assembled electronics(II )
- Partner a/o Coordinator of **(I) R&D&I National Programs** stated with with MATNANTECH, CEEEX (RESEARCH OF EXCELLENCE),PNI,PNII, and PNIII.**(II) EC R&D Programs** FP6,FP7,HORIZON 2000,HORIZON, ΣUREKA/Eurostars,Manunet,MNT-ERA-NET, M-ERA-NET,Marie-Curie MSCA,Euro-Nano-Med.



EU INDTECH 2025 Brokerage Event

# Applied research, product/process development of prototypes and demonstration by micro/nanotechnologies of innovative materials for hi-tech applications

Prototyping & demo` s design and development by micro/nanotechnologies including unconventional technologies like :

Laser plasmas, ions or ink ,3D and 4D printing. for microsensors & MEMS/MOEMS,, micro/optoelectronics , photonics and optics devices ,

Smart systems integration for analytics & monitoring instrumentations for industry,: ICT, environment, health, safe life, new energy sources, circular economy and green mobility

**MST/MSN** applications for new materials including with tailored properties. as Shape Memory Alloys, photomobile polymers, and carbonic nanostructured materials like :graphene, CNT` s as SWCNT` s & MWCNT` s

The micromanufacturing of biocompatible and multifunctional thin films (piezoelectric, ferroelectric, core/shell structured, ceramic and composites) on special glasses also as the rigid and flex substrates.



## Competences / type of partners sought

The partners competences into design and development of applications based on integration of innovative products for analytic and monitoring instrumentation like

- Microsensors/microsystems MEMS/MOEMS
- Photonic and optics devices
- Wireless sensors networks ( WSN ) for structural and health monitoring

The envisaged consortium to join is related at the calls below,

- Cluster 4 2025 Call - INDUSTRY
- Cluster 4 2025 Call - INDUSTRY two-stage
- Cluster 4 2025 Call - DIGITAL - CNECT
- Cluster 6 calls 2025

# Contact details

**Contact person**      **DUMITRU ULIERU**

**Organisation:**      **SITEX 45 SRL**

**Address:**      **BUCHAREST ROMANIA**

**Phone:**      **+40752039770**

**E-mail**      **ulierud@yahoo.com**

**B2Match profile**      [contact profile on the B2Math website]

**LinkedIn/Twitter**      **Linkedin**

