



Elena Ulieru

Sitex 45 has relevant expertise in nanotechnologies and nanoscience application fields. The company has a great experience on design and engineering, prototyping, micro/nanotechnologies applications and related manufacturing production for micro/nanosensors and microsystems. Has worked in new materials applications -MEMS-MOEMS, including nanostructured as well sensors, micro/nanosystems integration and packaging technologies.

All this experience confirmed and validated by successful participation as partner, coordinator a/o end user under:

* R&D in national programs

MATNANTECH (New materials, micro and nanotechnologies), CEEX (Research of Excellence), PNII National R&D Program /Partnership and Innovation (2007-2013), INVENT.

* R&D in international programs

FP5 / INCO Copernicus, Craft projects, NEXUS (European Microsystems Network) NoE.

FP6 / 4M NoE (Multi-materials micro manufacture), IPMMAN, and

FP7 with 3 just closed projects like MEMSCON, COMPOLIGHT and MOSYCOUSIS, and other new running like INSTANT, SENSGLOSS / MNT-ERA-NET and MAGPHOGLAS / M-ERA-NET, EUREKA, EUROSTAR, EURO-NANO-MED and MANUNET..

SITEX 45 is affiliate member of:
NEXUS (Network Microsystems European)
EUROPRACTICE

4M (Multi Material Micro Manufacture), Network of Excellence

EPoSS (European Technology Platform for Smart System Integration

ICCCS (International Conferederation of Contamination Control Societies) / USA

GUS (Gessellschaft für Umweltsimulation) / Germany

AMA (Association for Sensor Technology) GmbH / Germany

LIA (Laser Institute of America) / USA

ALLU (Association of Lasers Users) / UK

I2M2 (International Institution for Micromanufacturing) / USA.

And member of specialised European platforms like Nanomedicine, Nanofutures, Manufuture, CLINAM, Photonics 21, OE-L, as well as associations like EUMA, EuRAD, 4M2020, SPIE, EPIC (European Photonics industry Consortium) and SEMI Standards Committees voting member.



AREAS OF ACTIVITY

- * Advanced Materials
- * Sustainable & Smart Manufacturing
 - * Nanotechnology
 - * Biotechnology
- * Measurement & control enabled by nano tools
 - * Food Nanosafety
- * Functionality enhancements (materials, engineering & fabrication)
- * Environment & water resources

* Design and engineering of micronanotechnologies applications incl. by unconventional technologies for micro/nanosystems manufacturing on basis of intelligent and innovative materials, nanostructured, biocompatibles, nanocomposites like ceramics and polymeric.

* Design and engineering of chemical sensors, microsystems and sensors for contamination control and environment monitoring quality.

* Design and engineering of systems for monitoring and microcontamination control of ultrapure facilities for cleanroom technologies.

* Full system integration custom / semicustom specification

* Consulting services, technical support and marketing, full technical / commercial documentation / offer.

* Trading services for procurement / delivery of technological equipments / instrumentation / consumables etc..

* Company in-house manufacturing own products marketing promotion /sales services.

* Validation and after-sales delivery for ultrapure cleanroom facilities.

* Certify /validation upon following international regulations:

ISO 14644-1

ISO 14644-2

ISO 14644-3

PD 6609-2000

EU GMP

EN 12469