

## **Individual participant SITEX 45 SRL (SITEX )**

### ***Brief description of legal entity***

SITEX 45 SRL is an industrial SME with R&D activity ,industry oriented ,located on MINATEC-RO / Scientific and Technological Park Bucharest deeply involved since 1992 in following activities: (i)R&D prototyping and manufacturing of microelectronics and optoelectronics devices, sensors and sensors arrays ,actuators and transducers, microsystems as MEMS & MOEMS for Chemical and environmental monitoring ,acoustic, optical and biomedical sensors (ii)R&D of micro & nanotechnologies applications for; new materials processing and development of innovative products by unconventional technologies applications,(iii)Design and engineering, prototyping and microproduction for sensors and microsystems by new materials applications including nanostructured as biocompatible and multifunctional thin films (iv)MEMS/MOEMS and sensors packaging technologies and applications (v) Smart systems integration applications. including Wireless System Networks WSN for custom or semicustom projects. (vi)RFID`s and systems being main supplier of Romanian market with RFID products ,cards and smart tags.

### ***Previous expertise relevant to project tasks***

SITEX expertise on design and engineering, prototyping and microproduction for sensors and microsystems by new materials applications including nanostructured as well sensors and microsystems integration /packaging technologies confirmed and validated by successful participation as partner, coordinator a/o end user under **(i)R&D national programs** MATNANTECH (New materials, micro and nanotechnologies), CEEX (Research of Excellence),PNII (2007-2013). INVENT and **(ii)R&D in international programs** like FP5 /INCO Copernicus ,Craft , NEXUS (European Microsystems Network) NoE and FP6 / 4M NoE (Multi-materials micro manufacture), IPMMAN, and FP7-2 just closing projects like **MEMSCON** and **COMPOLIGHT**.,and other new just running like ICT-MOSYCOUSIS , INSTANT and MNT-ERA-NET, SITEX. is member of European platforms like Nanomedicine, EPoSS, Nanofutures, Manufuture ,CLINAM ,Photonics 21 and associations EuMA and 4M MultiMaterials MicroManufacture, AMA/German Ass for Sensors and AMAA, GUS e.V (German Ass for Environment Simulation) and ICCCS (International Confederation of Contamination Control Societies )

### ***Short profile for one of individual representatives to undertaken the works***

**Dumitru Ulieru** has MSc/ Electrical Engineering 1971 and PhD Microelectronics. 1997. He was with Microelectronica Bucharest as Senior Researcher/Technical Manager. Since 2003 is R&D Director of SITEX Bucharest. With more than 35 years of experience in semiconductors and micro/optoelectronic components fabrication , micro / nanotechnologies and unconventional technology applications for Microsystems like MEMS/MOEMS, sensors and actuators, front and back-end technologies, micro-contamination control and environmental monitoring. has over 120 papers presented at specialised conferences, workshops and symposiums. Member of Nanomedicine ,4M Ass,AMA , EuMA Ass and European Tcehnical Platforms likeEPoSS, Nanofutures, Manufuture CLINAM ,Photonics 21 also as SEMI Standards Committees acting member.

*SITEX LOGO*

