

Nanotechnology and New Materials Square - Exhibitors and technologies

| Company / Institution | web | | Technology/Solution |
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| 4ward360 | www.4wardnanotech.it | Nanostructured coating | Nanotechnologies designed for human needs. Nanostructured coatings with anti-slippering, water-repellent, UV resistant, oil repellent and antimicrobial properties for all kind of surfaces. |
| BeDimensional | www.bedimensional.it | Graphene | Graphene and bidimensional crystals to give to conventional materials innovative mechanical, electrical, thermal and optical characteristics. |
| Cedrat Technologies | www.cedrat-technologies.com | Mechatronic | Mechatronic solutions design for manufacturing processes. The addressed functions of the company are: vibration assistance, vibration damping and fast & precise positioning. |
| Centro Diagnostico Baronia | www.cdbaronia.it | Renewable energy sources | Renewable energy sources and creation of eco-friendly cycles for waste recovery in the interest of environmental sustainability. |
| CNR -ISMAC Istituto per lo studio delle Macromolecole | www.ismac.cnr.it | Textile research | R&D on polymeric materials and technological transfers in the textile field. Realization and characterization of new fibers from by-products, innovation processes, properties of textiles surfaces, new spinning systems and evaluation of fabrics. |
| CNR ISTECC - Istituto di Scienza e Tecnologia dei Materiali Ceramici | www.istec.cnr.it | Advanced ceramic materials | Studies on advanced ceramic materials in cooperation with institutes and companies in Italy and abroad, promoting the development of innovative projects in the field of biomaterials and nanosafety. |
| Day One | www.day-one.biz | Open Innovation | High-tech start-up accelerator. Mission: transfer to the market the most promising technologies developed by research centers, universities, and start-ups. |
| EU-Japan Centre for Industrial Cooperation / EEN Japan | www.eu-japan.eu | Industrial Cooperation | Promoting all forms of industrial, trade and investment cooperation between EU and Japan by facilitating experience and know-how exchange. |
| Fonte Nuova | www.fontenuovasrl.eu | Water treatment | Design and realization of water treatment plants. Development of machineries and new systems. Optimization of services through a continuous quality improvement. |
| ICONE | www.iconeautomation.com | Automated systems | Design, production and maintenance of automated and computerized systems applied to production plants and test facilities. |
| IFPAN - Institute of Physics, Polish Academy of Sciences | www.ifpan.edu.pl | Research Center | Ultra-sensitive gas detectors based on ZnO nano-rods. Innovative antibacterial and anticorrosive coating. Atomic Layer deposition for photovoltaic and other applications |
| IMB - Instituto de Microelectrónica de Barcelona | www.imb-cnm.csic.es | Technological and scientific research | Barcelona headquarter of the National Microelectronics Center (CNM) and part of the Spanish Research Council (CSIC). Main activities: basic and applied research and development, education and training in micro and nanotechnologies, components and systems. |
| Itainnova | www.itainnova.es | Technology | Technological Centre dedicated to guiding and helping companies, institutions and individuals towards excellence through innovation and technological development, with a clear market orientation. |
| Linari + OMRON | www.linaribiomedical.com | Nanocomposite production chain | The first production machine for electrospinning of multi-material nanofibers and nanospheres with real-time integrated production control. The machine uses OMRON industrial components guaranteeing an optimized and highly engineered product, and represents the synthesis of the design engineering and realization capacity of LINARI ENGINEERING. |
| Linari Nanotech | www.linaribiomedical.com | Electrospinning | Electrospinning systems for the production of polymer nanofibers for hi-tech nano-composite structures, employed in structural enforcement, bio- and opto-electronic technologies. |
| Nadir | www.nadir-tech.it | Cold Plasma | Cold plasma surface treatment for surface protection and cleaning and to increase adhesion and printability. Polymeric nanocomposite and biobased polymers production. |

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| NASYS - Nano Sensor Systems | www.nasys.it | Chemical sensors | Chemical sensors and systems of high tech sensors based on nanotechnology and advanced materials to detect wide range of volatile chemical compounds |
| POLARIS | www.polaris.unimib.it | Environmental impact | Analysis of the impacts of different origins on environment and human health, guidelines for a sustainable management of environmental issues. Support to the production of eco-friendly nanotechnologies and risk assessment. |
| Protect | protect-h2020.eu | Antimicrobial materials and surfaces | Pilot plants for the production of nanostructured antimicrobial and anti-biofilm surfaces and materials, through sonochemical and spray coating processes. |
| Sportello Traferimento Tecnologico - Project HUB360 | www.projecthub360.com | Technology Transfer | Support to innovation and technology transfer of nanotech products, processes and solutions in several industrial fields. |
| Stream | http://www.stream-0d.com | Zero-Defect Production | Project funded by the European Commission to reach a zero-defect production. The innovative technology is based on the integration of multiphysics simulation models with measurement devices in the production workflow, enabling a real-time control of the most important manufacturing parameters. |
| Symera | www.symera.it | Printing inks and multifunctional coatings | A new generation of high-performance inkjet printing inks and coatings with exceptional adhesion properties on different substrates, abrasion resistance and resistance to chemical agents. |
| Tessitura Pertile | www.pertile.com | Natural fibers | Production of fine fabrics in natural fibers. Tradition meets innovation with attention to environmental sustainability. |
| ThunderNIL | www.thundernil.com | Nanolithography | Pulsed-NIL enables the fabrication of 2D and 3D micro/nano-structures on surfaces for a broad range of applications both functional and aesthetic. |
| Universitat Politècnica de Catalunya | www.upc.edu | Technology | Education and research in architecture, engineering and technology. Mission: create, innovate, develop technology and make this technology available to society. |