
CATALOG OF INNOVATIVE
PRODUCTS AND SERVICES
LIFE SCIENCES

SHOWCASE 2022



With the non-conditioning contribution of:

Adecco



Catalent[®]

MERCK RBM



We take care of innovation

All the bioPmed companies featured in the 2022 edition of the catalog of products and services have one point of strength in common: the ability to innovate.

It is thanks to their expertise in applying skills and technologies in an innovative way that we can have access to important tools and solutions for diagnostics, therapy and healthcare.

We are proud to present them to you, one after the other: they are mostly small companies, with motivated and tenacious people, who look to the future in a positive way and every day are committed to overcome their limits.

It's a multi-voice story that shows how the health and life sciences sector is vibrant and bustling. The goal, through specialized and high-tech examples, is to promote these talents, support them, create synergies and generate new business opportunities.

This catalog is a proof of our project and of the way in which, working together, it is possible to grow and constantly improve.

Together we can be
a great team.

—

Happy reading!
The bioPmed team

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Addax

ADDAX Biosciences is a spin-off of the University of Turin born in 2017 after a long research activity on pathological tissue fixation. It aims to eradicate Formalin – a carcinogenic substance – from hospitals, research centres and laboratories, and replace it with a non-toxic fixative.



 www.addaxbio.com
 administration@addaxbio.com



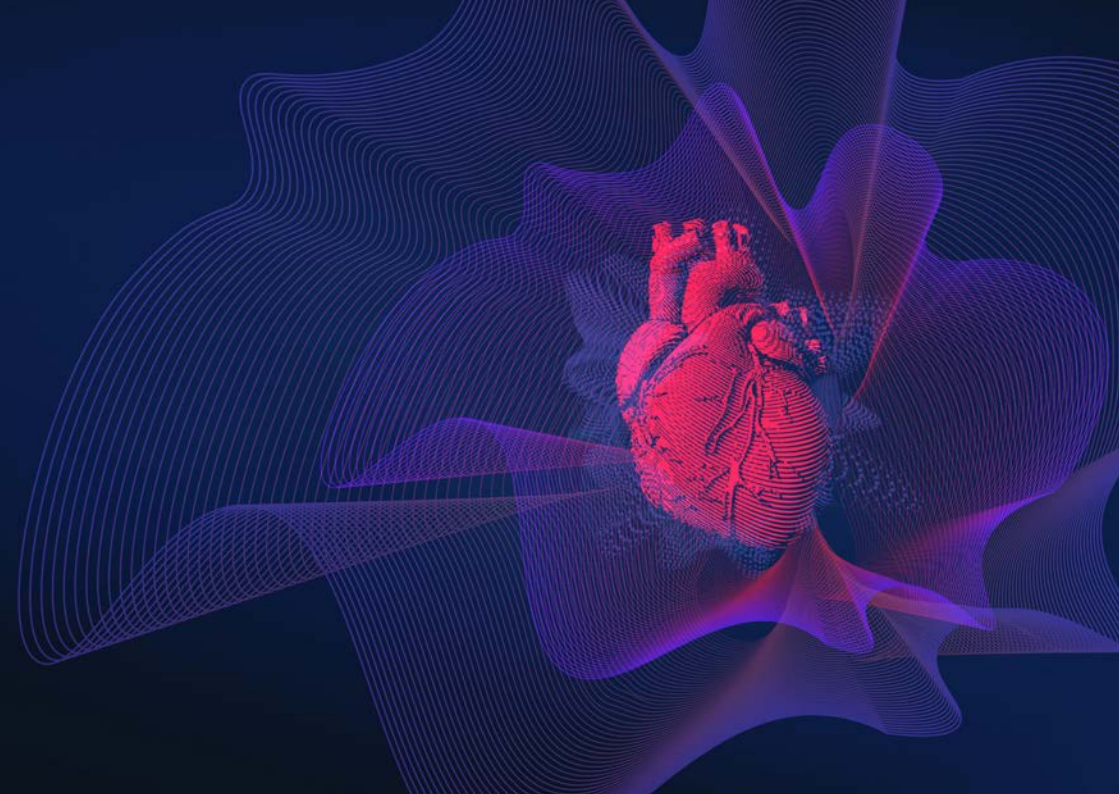
GAF®

Formaldehyde is a carcinogenic, mutagenic and neurotoxic substance banned in Europe (EU Dir. 895/2014). In lack of a valid and safe alternative, formalin (water solution based on formaldehyde) is still widely used in hospitals as a histological fixative. Addax has developed and patented GAF® (Glyoxal Acid Free), an innovative product that provides comparable or better fixation efficiency over the entire

range of Formalin applications, but is non-carcinogenic. GAF® provides diagnosis accuracy without exposing healthcare professionals to the risk of developing work-related diseases and cancers. GAF® is a patented, CE-marked, and FDA-approved product that has undergone several independent, national, and international validation trials which demonstrate its diagnostic value.

AorticLab

AorticLab is a startup that aims to innovate and expand the treatment of patients suffering from aortic valve stenosis. AorticLab is currently developing a safe low-invasive system for the functional restoration of the native aortic valve affected by stenosis.



Embrace

Embrace is a transcatheter device designed to protect cerebrovascular, renal and peripheral vessels from the debris released during all the aortic transcatheter procedure. Embrace unique design allows an easy device opening in the ascending aorta fitting perfectly with the aortic wall. The device is compatible with all the transcatheter delivery systems.

Gemini

Gemini is a transcatheter device that applies an ultrasound source to the cusps of a stenotic aortic valve, with the aim of safely fragmenting the dystrophic calcifications of the valve tissue by restoring the valve function. The device creates an ultrasonic field that generate a cavitation effect that fragment calcium without damaging healthy tissues. It will take 30 minutes to complete the procedure.

BioAir

The main focus of BioAir is the use of isolators, closed and automated systems for pharmaceutical and biotech production. Isolators represent an efficient solution to meet the demand for medicinal treatments based on genes, tissues or cells.



ISOMate Series

The ISOMate® series includes various versions of entry level isolators, which meet the specific needs of applications such as sterility testing and handling of antineoplastic products (oncology unit) in hospital pharmacies, etc. These are “standard” isolators (the ISOMate series are therefore not generally foreseen for customization) however the range offers different variants, designed to adapt to various needs of use.

ISOCeLLPRO® 4.0

ISOCeLLPRO® 4.0 - a clean room in 1m³ - is the ideal Bioair solution for the GMP production in closed systems (AinD), of ATMPs, Cell Therapy, Gene therapy, Tissue engineering and Regenerative Therapies, designed to work within the typical restrictive boundaries of various regulatory bodies (FDA, EUP, USP) and related industry guidelines (GMP, PDA, Eudralex vol 4, Annex 1).

Ikinova

Startup born from the experience of FIWARE. Over twenty years of experience spent in technological innovation with services to businesses, institutions and families. Which involves dynamic minds, ready to give evolved answers to human needs, always in a bottom-up mindset.



 www.ikinova.com
 info@ikinova.com



inova MED

A system able to provide patients with a better quality of life in the environment that is more familiar to them, with consequent benefit in the course of the disease. inova MED allows doctors and operators to check the status of the patient,

of all patients at home, without moving from their site. A platform to allow healthcare professionals to monitor actions and parameters in remote locations always having the patient control.”

Intrauma

Intrauma produces implantable medical devices for traumatology in the human and veterinary field. Research and development are the key to business growth. The products developed are the result of experience and collaboration with the clinical world and with university and research institutes.

O'nil System

The O'nil system is a new and original osteosynthesis system. Solidarization between the self-locking screws and the support is ensured by the conical coupling at the interface between the screw head and the bushing hole.

The O'nil system transfers the forces acting on the fracture in an elastic way. The Elos Intramedullary Nailing Line guarantees the treatment of Proximal Femur Fractures.

Fixin System

The Fixin range includes a wide variety of plates designed for different indications including traumatology, corrective osteotomies, and tarsus and carpus arthrodesis and panarthrodesis. The Fixin System provides 3 series of internal fixators: the 1.3-1.7 series (micro), developed for small dogs and cats up to 3-4 Kg; the 1.9-2.5 series (mini), developed for small dogs and cats up to 10 Kg; the 3.0-3.5-4.0 series (small), developed for medium, large and giant dogs.

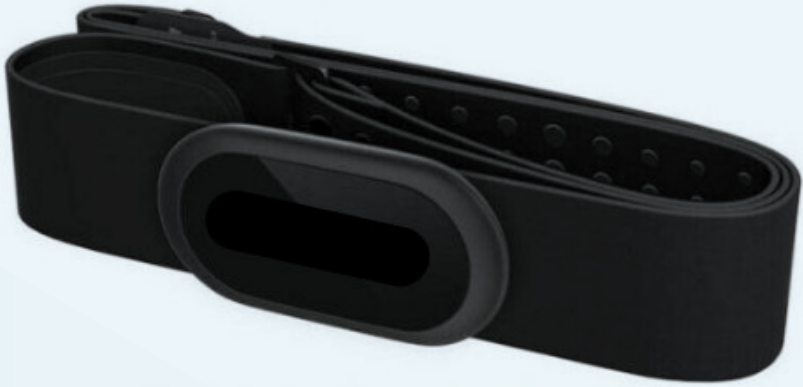


K-tree

K-tree is an innovative startup, composed by a team specialized in the development of cutting-edge solutions of artificial intelligence, IoT and data mining sensors. The areas of implementation of our projects are mainly digital health, but also smart content and society.



 www.k-tree.it
 contact@k-tree.it



CB-o



CB-o is a monitoring system that remotely monitors patients through a wearable device: the chest strap equipped with sensors. In this way, parameters such as ECG, heart rate and geolocation are continuously sampled. The strap, via bluetooth, interacts with an app on the patient's smartphone sending data to the server, via wifi or mobile network.

All data are saved in a database, to have the patient's history, and can be viewed by the doctor through a web app from pc or smartphone. In case of illness, an alert signal is sent, promptly notified to the doctor. In this circumstance, the data, in addition to being saved in the log, are sampled separately for six minutes, so that the doctor can promptly identify the causes of the alert.

Nuova BN

Since 1979 Nuova BN has been designing and manufacturing operating tables and devices for operating theaters at its Vinovo plant, following the evolution of research and innovations in the health technology sector.



 www.nuovabn.it
 info@nuovabn.it

St.Nbn Series Sterilizers-Autoclaves

The ST.NBN series is a complete and versatile line of steam autoclave sterilizers aimed at hospitals and healthcare facilities, with a variety of models designed for small and large structures. Starting from the 1 US model up to the 12 US model, we are ready to satisfy every customer request, following the need right from the design of the sterilization rooms.

Operating Tables

The galaxy of configurations available, from electric to manual models, represents a strong point of the company which, thanks to its flexibility, can satisfy every type of surgical need and, no less important, budget. This trend is also reflected in the extensive accessories catalog, which with over 250 items meets all basic and specialist surgical needs.



EM 2010 TAURUS LIBERTÀ DI MOVIMENTO PER ALTE PRESTAZIONI



TAVOLI OPERATORI ELETTRONICI MULTIFUNZIONE SU GRANDI RUOTE PER QUALSIASI SPECIALITÀ CHIRURGICA.

I tavoli operatori radiochirurgici elettronici multifunzione a blocco operatore con sicurezza e velocità e configurabili in piano fisso sono stati concepiti per combinare mobilità e alte prestazioni. Ogni tavolo è progettato con una colonna mobile che permette all'operatore di addegnarsi a qualsiasi chirurgia grazie alla vasta gamma di accessori disponibili.



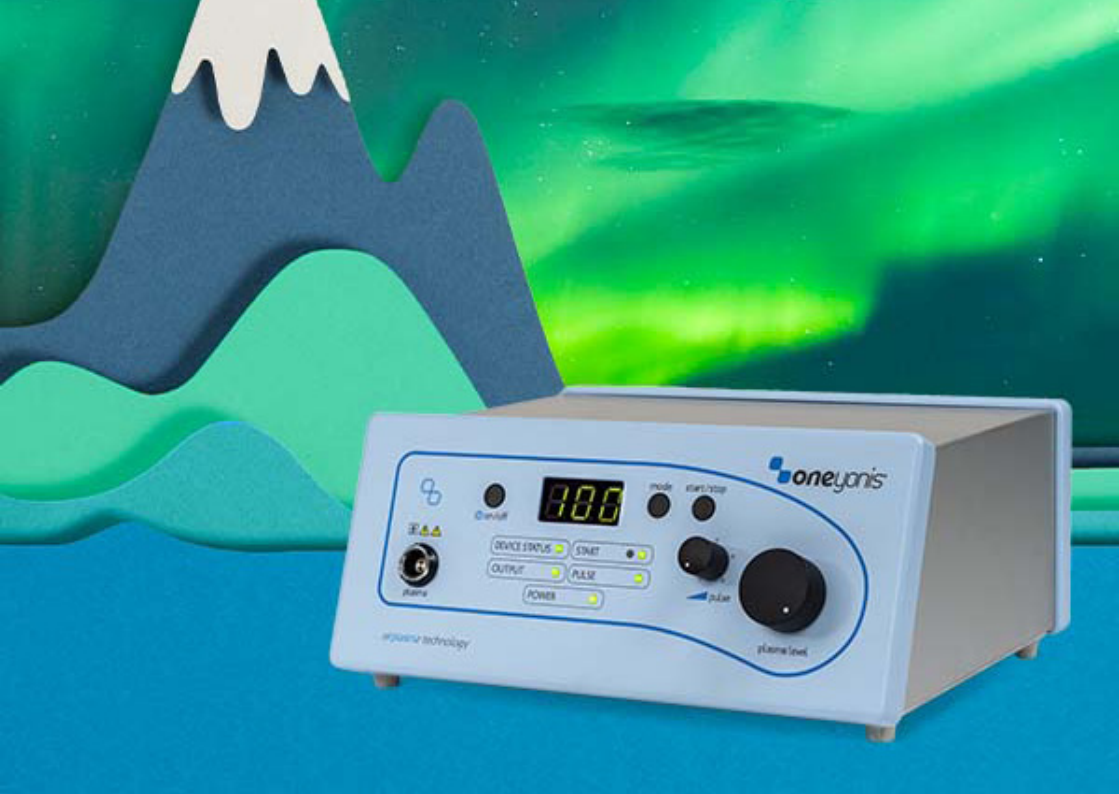
NUOVA BN s.r.l. - Via Nassa 19/21 - 10048 Viverone (TO) Italy - Ph. +39 011 965 44 46 - 011 965 44 62 - Fax +39 011 965 42 89 - info@nuovabn.it

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Otech Industry

Otech Industry has patented the Airplasma® technology, which works in surgery and aesthetics, on soft tissues and with maximum well-being for the patient. It generates plasma energy directly from the air, without the use of other gases, and allows excellent performance especially on delicate tissues or critical areas. The company is based in Alessandria with branches in Bologna and Padua.



Oneyonis®

Oneyonis® generates plasma energy from the air. It acts delicately on tissues without contact, or in contact by performing cutting and dissection. The temperature on the tissues is always below 50°C / 122°F, unlike traditional techniques (> 100°C / 244°F): in this way there is no thermal damage, reduction of scars, less pain, more quick healing. The technology has two patents and Oneyonis® has CE certification for dermatology, plastic and

aesthetic surgery, aesthetic medicine, general surgery and gynecology. It is marketed in Europe, Middle East and South America. Studies and experiments are underway in Italy and Germany to develop new applications and to expand fields of use and markets. The version for veterinary surgery is Onemytis®, it uses the same technology, but it is structured for the specific needs of animal tissues. It is marketed in Europe and the United States.

Progetti Medical

Progetti Medical for more than 30 years has been developing and manufacturing products for the prevention and treatment of cardiovascular diseases. It stands out for being one of the main players of defibrillators and the only Italian manufacturer, working with more than 80 countries worldwide.

GOOD
DESIGN

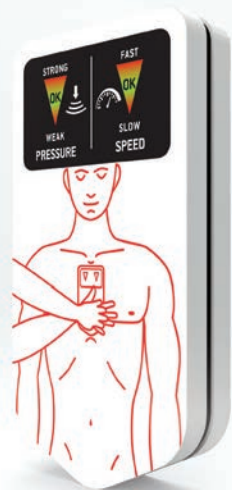


Rescue SAM 4.0

Every year in Italy 60,000 people die from cardiac arrest. Pandemics have not stopped these numbers making them more dramatic. Early defibrillation with AEDs is the only tool currently available to reduce mortality from sudden cardiac arrest. THE RESCUE SAM 4.0 is designed to be used by any person and installed anywhere.

CHEST-eR

Chest-eR is an Italian patent product resulting from our highest research and development. It supports the rescuer, both professional and layman, during cardiopulmonary resuscitation maneuvers. Thanks to its feedback and its innovative materials, Chest-eR makes CPR quality and atraumatic. Chest-eR, combined with the defibrillator, can achieve a survival rate of 80%.



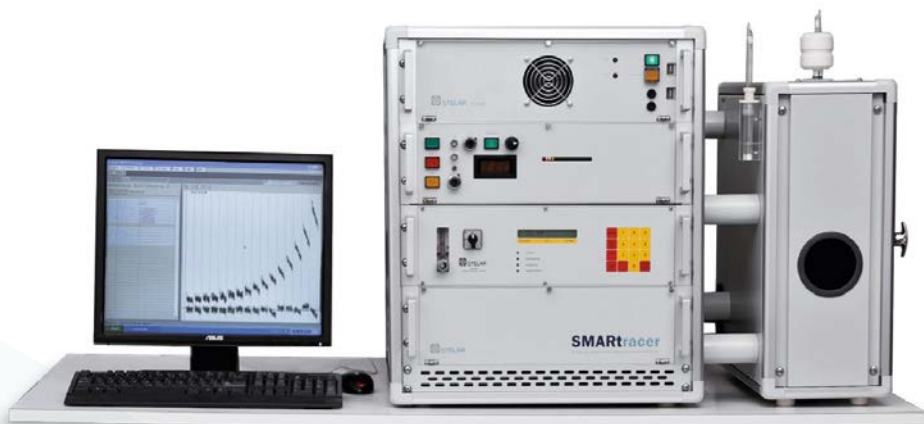
Stelar

Stelar, Italian Company established in 1984, specializes in unique analytical instrumentation for Nuclear Magnetic Resonance (NMR) based on the Fast Field Cycling NMR Relaxometry (FFC NMR) technique and develops and produces this innovative instrumentation for academic and industrial research and quality control applications.



 www.stelar.it

 info@stelar.it



NMR Fast Field Cycling



Stelar's range of FFC NMR relaxometers (SMARtracer 0.25T and SPINMASTER 1T/0.5T wide bore/DUO) are powerful analytical instruments designed to measure the field dependence of the NMR longitudinal spin-lattice relaxation time, T_1 , over a continuous magnetic field range, from 10 kHz upwards. This non-invasive analytical technique reveals the physical motions and interactions within the substance/material

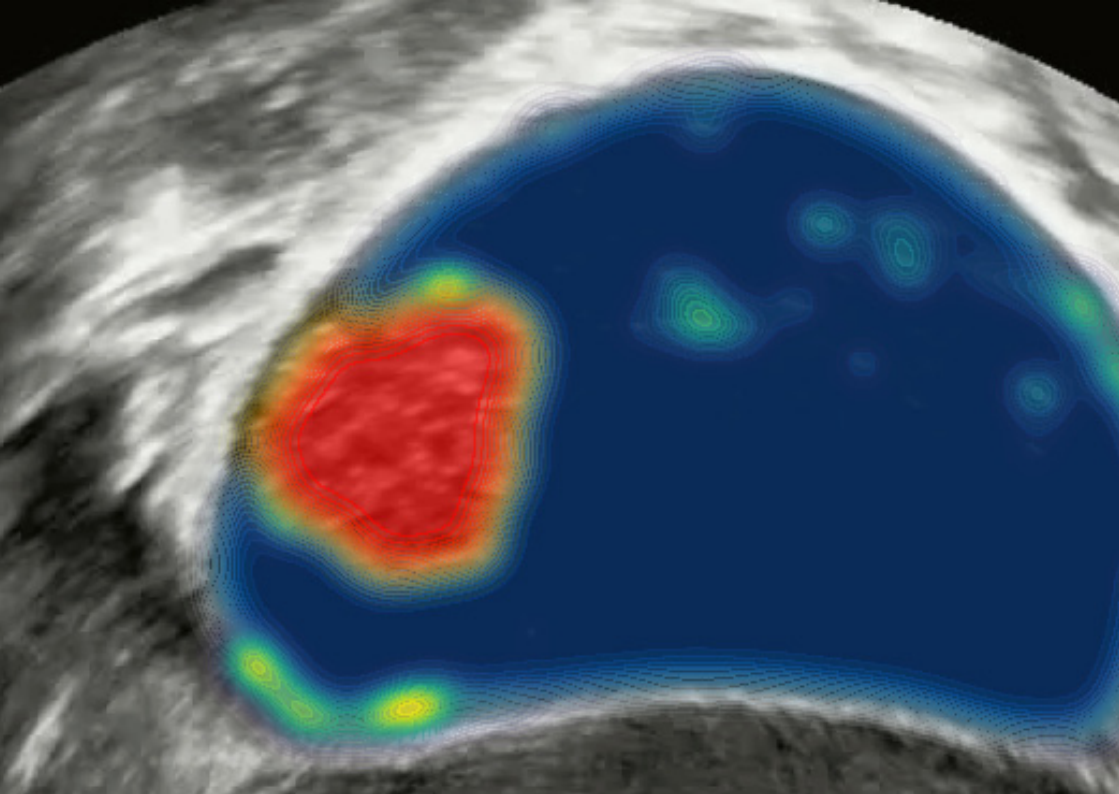
under analysis (in its original form – solid or liquid). FFC can be used to show physical changes/ differences both qualitatively and quantitatively through simple fingerprinting or by defining motion coefficients. Applications range from biomedical research (contrast agents, cancer diagnosis, API formulations) to materials science (battery materials, oil rocks, polymers) and food science.

Syndiag

SynDiag is a FemTech company born to guide Digital Transformation in Gynecology and Sonography. Founded by scientists, SynDiag stays at the forefront of Artificial Intelligence and medicine, developing state of the art software to support clinical decision making, increase healthcare efficiency and save lives.



 www.syndiag.ai
 contact@syndiag.ai



OvAI



OvAi is the ecosystem of products and telemedicine services created by SynDiag to support gynecologists throughout the entire patient's journey. OvAi Focus and OvAi X, with the use of state-of-the-art and patented Artificial Intelligence, interpret ultrasound videos and return in real time an objective reading of the morphological features that

could be of tumoral origin and their risk of malignancy. OvAi Tutor and the SynDiag Academy allow for individual training courses and the study of clinical cases present in an open archive of rarer cancers. With the OvAi platform, the gynecologist can simplify and speed up the patient's diagnostic process and offer her a state of the art care service.

Vernay

Vernay handles the design, development and production of precision elastomeric flow control devices on a global basis. We manage the prototyping, develop the molding and automation processes and even design and integrate additional plastic and/or metal parts to create technically complex solutions for our customers within the medical device, diagnostic and primary packaging sectors. Customized material formulations and innovative designs are the basis of our know-how.



 www.vernay.com
 sales@vernay.com



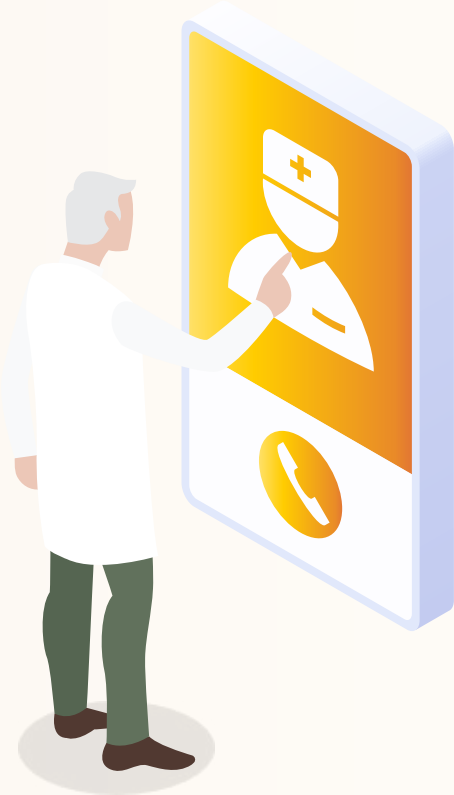
Creative Innovation

A diversified team of seasoned industry experts and fresh new engineers accompany all phases of our projects from the initial concept idea to the industrialization of parts. We collaborate and share our expertise and knowledge with established companies, start-ups and strategic design-house partners to create innovative manufacturable solutions. Novel solutions are the product of creativity, expertise, technique and commitment; all which are distinctive features of Vernay.

At the forefront of materials

Vernay boasts a portfolio of over 32,000 elastomeric material formulations. For more than 75 years, we have been developing formulations capable of responding to the most stringent operating conditions in terms of chemical, physical and biocompatibility requirements.

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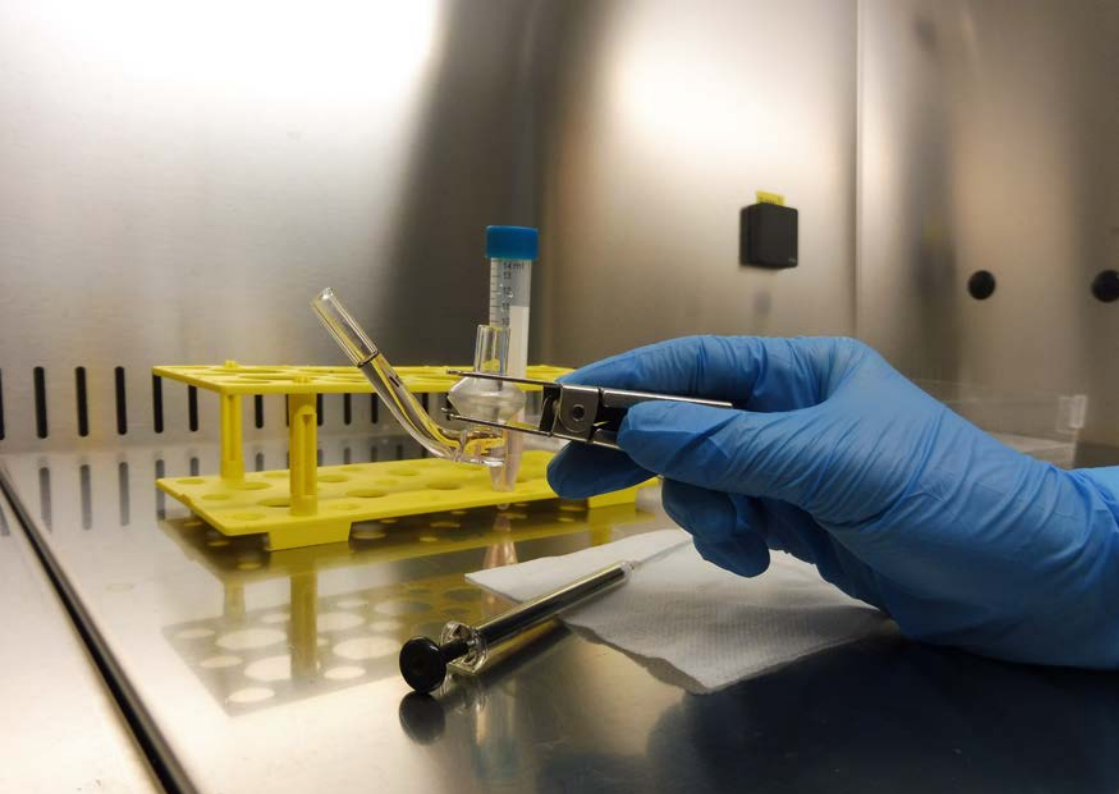
Abich

Abich is a company based in Italy and Canada that provides research and analysis services to cosmetics, medical devices, OTC, biocides, botanicals and related field manufacturers since 2002. With top-level equipped laboratories, ISO 13485 and 9001, GLP and GMP quality systems Abich is your partner for product testing. Abich is part of Lifeanalytics Group.



 www.abich.it

 info@abich.it



Laboratories

The cell biology and analytical chemistry divisions can provide percutaneous absorption tests on different human skin and epithelial models (vaginal, oral, pulmonary, intestinal) to assess molecules and mixtures permeation for the classification of medical devices according to the EU regulation 2017/745.

Microbiology

The microbiology division can check antimicrobial and virucidal activity both on products and surfaces with a wide range of viruses (coronavirus enclosed). A walking-in chamber is available to assess efficacy of indoor air disinfection according to ISO 17272. Performance tests on human volunteers are also used in the clinical facility to investigate antimicrobial efficacy of hand sanitizers and for the usability evaluation of medical devices.

Aethia

Aethia is one of the first companies to have proposed the cluster-computing technology on the Italian market. Thanks to the twenty years of experience, it's one of the leading ICT operators able to offer high-performance HPC systems to support the growth of companies, research groups and computer centers.



Aethia HPC for Health

It is an innovative HPC computing infrastructure with high levels of performance and reliability, dedicated to the analysis of clinical data also through machine learning. It was created for Humanitas Research, which needed to meet the new challenges in the field of processing increasingly complex volumes of data and at the same time equip itself with an advanced, reliable and secure HPC infrastructure.

Our proposal involved the creation of a new HPC Cluster with centralisation of services and software environments on a single frontend that distributes the workloads on the computing nodes, thus overcoming the limits of traditional single server architectures. The HPC Cluster is equipped with a redundant system that protects against the risk of data loss and service interruption in case of malfunctions.

BSpace

BSpace Srl is a supplier of technology and assistance in ICT field for individuals and SMEs. It is a firm of TESISQUARE® ECOSYSTEM. We have recently developed two new services for elderly and frail people: R-ESISTO Service of Home Teleassistance, Supply of software and hardware for welfare consortia with eViSuS® Basic solution.



R-ESISTO

R-ESISTO service gives our customers a professional support, through video-calls and visit at home, in fields such as: correct ways of living and movement, relational aspects, emotionalism and creativity, memory and learning, personal wellbeing, with possible use of sensors in order to increase environmental welfare, through movement observation and monitoring and biometric data collection and transfer to family physician.

eViSuS[®] Basic

eViSuS[®] Basic solution supplied to socioassistential consortia is a versatile system, consisting of a remote, self-supporting and transportable station, and a control station.



It was designed to create a new model of assistance and care. The exchange of information between the Remote Station and the Control Station takes place via an IT platform that allows the creation of a network between doctors, nurses, volunteers and patients.



Business Intelligence Group

Business Intelligence Group is a startup specialized in the development of Geo-Intelligence systems and Market Research. Thanks to its High Performance Computing infrastructure, it is able to create Forecasting Models for Big Data processing and the development of Artificial Intelligence systems. The company specializes in the development of projects in the technology, health and wellness sectors.



 www.businessintelligencegroup.it
 info@businessintelligencegroup.it



Big Geomarketing

Big Geomarketing is an intelligent online platform with which company performance can be displayed on a map, through georeferencing systems. It stands out for the speed of processing data from different sources and ease of use. It has a simple and intuitive graphic interface developed for companies in the health and wellness sector that want to seize new market opportunities in the area.

Market Surveys and Researches

Through market studies and research we help companies in the Health and Wellness sector to make the best possible decisions to accelerate growth, through high-tech and innovative activities. Big develops Desk Analysis, Focus Group, Online Panel, Telephone Interviews & Face to Face. BIG researchers and analysts have developed B Index, the research methodology that allows us to understand how much a company is considered “intelligent”.



Chemsafe

Chemsafe is a Regulatory Affairs company based in Italy with a strong scientific and toxicological background. Nowadays it counts 30 employees, divided into 4 Business Units: Chemical, Pharma, Medical Devices, Food. The acquisition of IntusLegereChemia ILC Srl allow the integration of mutiple services in the pharma field at highest quality.



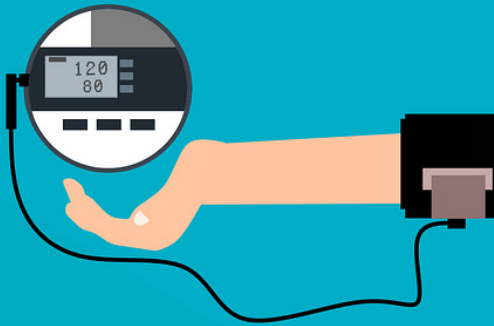
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Services to Medical Device companies

Data gap analysis on mds and borderline products, strategic/regulatory consultancy, toxicological and pharmacological expert report, biological evaluation and testing (ISO 10993-1), CER - clinical evaluation report (meddev 2.7/1), risk management plan (ISO 14971), technical documentation (technical file), quality management system (ISO 13485), mds registration in national databases, contacts with competent authorities (eu and non-eu), role of responsible person for regulatory compliance (eu reg. 2017/745) .



Services to Pharma Companies

OEL (Occupational Exposure Level), OEB (Occupational Exposure Banding), ASL (Acceptable Surface Limits), PDE (Permissible Daily Exposure), ADI (Admissible Daily Intake) for food ingredients, DNEL and PNEC (REACH), ERA (Environmental Risk Assessment of medicines), E&L (Extractable & Leachables), toxicological evaluation, biocompatibility evaluation, “in silico” prediction using different tools, Expert Report by ERT® (European Registered Toxicologist), Pre-clinical development for novel drugs.



CoQua Lab

CoQua Lab s.r.l. (Compound Quantification Laboratory) is an innovative PMI founded in 2015 as an academic spin-off of the University of Turin which develops analytical methods and CE-IVD and IVDR diagnostic kits for medical use. The company is made up of senior scientists in the chemical-pharmaceutical R&D sector.



 www.coqualab.it
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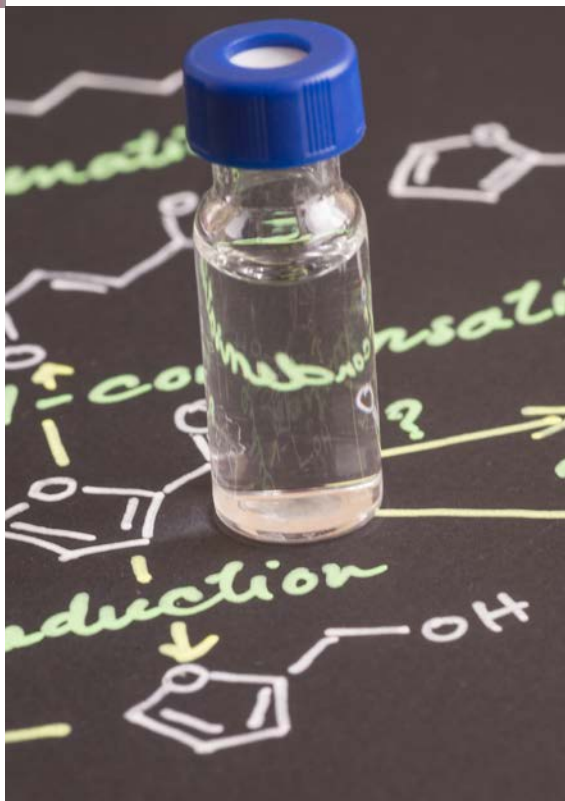


Design and development methods, CE-IVD and IVDR Marking

UNI EN ISO 13485:2016
Design and development and application of quantification and detection methods of clinical analytes and drugs, finalized to the production of in vitro diagnostics. Clinical validation in according to ISO 13485 with biological sample collection from Biobank.

Kit system antibacterial drugs in plasma

Therapeutic drug monitoring (TDM) of serum antibiotic concentrations is the most practical means of assessing adequate antibiotic exposure. This KIT contains all the analytical components for the quantification of 19 different antibacterial molecules from human serum plasma. Analysis is performed by HPLC coupled with tandem mass spectrometry (LC-MS/MS). CoQua Lab Kit System can be used for the determination of antibacterial drugs from human serum plasma.



Eltek

With a diversified know-how, ranging from precision plastic molding to microelectronics, ELTEK designs and manufactures components and finished products for the Medical, Pharma and IVD markets. Our business models: legal manufacturer (regenerative medicine, hemodialysis, IVD devices), ISO13485 Contract manufacturing (a range of advanced technologies make ELTEK the right partner for OEMs, fab-less companies and start-up).



Contract Manufacturing: Precision Plastics

Complex parts molding in ISO7 and ISO8 Clean Room, thermoplastic molds design and construction, mechanical and mechatronic design, complete process engineering from molding to packaging, packaging and management of sterilization process (third-party), special processes in “DNA / RNA / DNase, RNase free” regime.

Contract Manufacturing: Electronics / Sensing



HW and SW electronic design, design of optimized circuit layouts, Surface Mount Processes (SMT), Thick Film Screen Printing and laser trimming processes on various substrates (e.g. ceramic Al_2O_3 , AlN, steel, FR4, Sapphire), chip-and-wire miniaturization of Silicon MEMS, finishing and encapsulation, pressure sensors for electromedical device applications, special processes in “DNA / RNA / DNase, RNase free” regime.



Flairnet

Flairnet is on the ICT services market and offers companies consultancy, system integration and services using its skills, which are the history of the people who make it up. Flairnet's offer is focused on the automation of business processes, and also on the design and development of specific applications, useful for the system, to import knowledge, to encode it, to automate it.



 www.flair-net.it
 l.masella@flair-net.it



Flairnet Service Application

The service that Flairnet has created to facilitate the work of developing new digital applications is a microservice platform, called Flairnet service application, (FSA) running in the Cloud and able to: import knowledge from outside (from the Internet, from specialized sites, blogs,..); interface itself in simple way to the Business Systems and to Office; it makes the realization of new application easy and fast.

ConDOR PMS

The PMS Post Market Surveillance - Application is a CLOUD service capable of: acquiring information from the company's quality systems; extracting information from the web related to accidents, articles on the clinical evaluation of medical devices (including those of competitors); producing PMS reports automatically; providing automatic alert functions on the web presence of new relevant information, not previously registered.



Fluody

Fluody is a chemical Contract Research Organization (cCRO), located in Italy. Our expertise is synthetic organic chemistry: R&D, process development and manufacturing of chemical compounds for Pharma, Life Sciences and Imaging. A strong know-how and expertise and a motivated team assure the best value delivery.



R&D Service and Custom Synthesis

We offer Research & Development services: Prior Art evaluation, design and development of new synthetic routes or optimization of the existing ones. A wide range of analytical techniques allows the complete characterization of the studied molecules. The products requested by our customers are often not described in literature and request a high level of innovation to identify the correct synthetic approach.

Fluorescent Dyes

Our experience in synthesis of polymethine dyes allowed us to develop a catalogue of fluorescent dyes for Life Sciences. Our molecules are highly fluorescent, photostable, hydrophilic and tailored for coupling with amino and thiol groups, with a range of fluorescent emission from 500 to 820nm. The application area is genome analysis, flow cytometry, optical imaging and smart surgery.



Gard Consulting

Gard Consulting is a R&D department at the service of customer. The company is specialized and has a long lasting experienced in design and development of medical devices. The company offers the knowledge and skills to turn ideas into marked products. The company's customers are inventors in medical device such as start-ups, biomedical companies, and specialists in the field like physicians.



Services

Gard Consulting covers all phases to develop, to certify and to manufacture a medical device. In the feasibility and prototyping phase, Gard Consulting performs different potential design solutions to gain feedback and test the customer idea before choosing the most suitable design solutions. During the design phase, Gard Consulting develops design and process specifications, risk analysis, FEA analysis with dedicated in vitro and in vivo test protocols

with product-specific testing equipment. In industrialization phase in collaboration with certified 13485 industrial partners, manufacturing and control flows are built and made operational. Gard Consulting conducts and documents the activities with the required level of quality to head to premarket with everything needed to get the device approved. Gard Consulting follows the Design Control process according to international standards.

Genea Biomed

Avant-garde and technology are the beating heart of our reality, which has always been attentive to patients and their needs. Rehabilitation is one of the main areas we focus on most, investing in innovative equipment and techniques. We strongly believe in research and development and our internal staff is constantly engaged in the study and discovery of new methods of treatment in the therapy of cardiovascular diseases.

Features



Cardiological Rehabilitation Project

A new cardiological rehabilitation methodology is being designed and tested, which can be extended in the future (with appropriate corrections) to other pathologies for which rehabilitation is envisaged. This methodology is based on the collection of information from each individual patient suffering from cardiovascular diseases through dedicated and non-intrusive sensors, using IoT methodologies. The collected data will then be inserted into a Big Data platform that will process them in order to obtain optimal performance models through machine learning

algorithms. It is a project that involves more and different figures, technicians and health professionals. The cardiological rehabilitation project includes a data acquisition phase, an analysis phase according to differentiated logics based on the single individual and on the significant clusters to which they belong, with projections on a general model. Thanks to this path it will be possible to examine and propose personalized cardiological rehabilitation courses according to the individual parameters recorded.

Nobil Bio Ricerche

Nobil Bio Ricerche is a major player of oral implantology since over 25 years, providing to implant devices manufacturers surface treatment of dental implants, analysis on implant materials surfaces, research and development of new materials. It offers customers practical applications supported by solid knowledge base, providing a core value to their business.

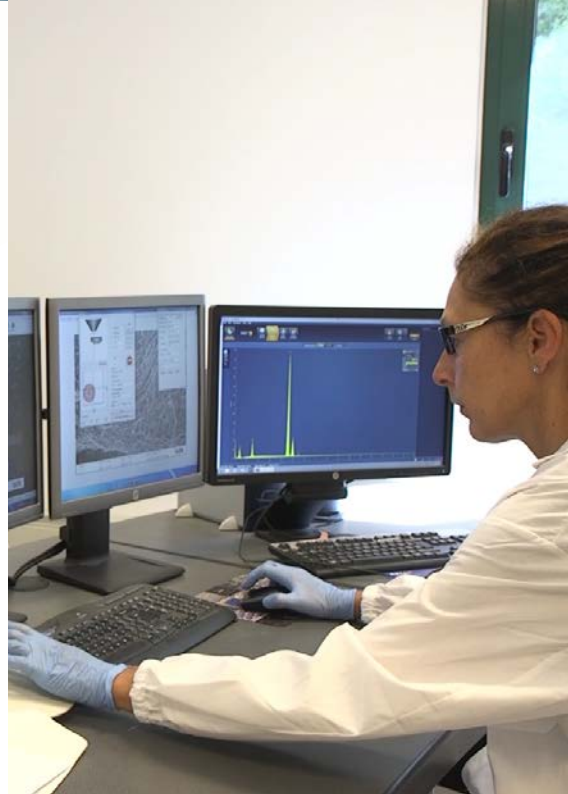


Surface treatment of titanium implant screws

Surface treatment of titanium implant screws is the core business of the company. The activity is built on a solid expertise and excellence in scientific research. Processes address the control of microphotography and surface chemistry to accelerate bone regeneration. Final surface cleaning is performed through glow discharge plasma

Labs

Company labs are equipped for the study and the characterization of implant materials and their interaction with cells. We perform SEM-EDX, AFM, XPS, ATR-IR, UVvis, HPLC analysis and the measurement of mechanical properties of biomaterials and soft or hydrated tissues. The cell culture laboratory evaluates cytotoxicity, cell adhesion and surface colonization, metabolic processes, gene expression by RT-PCR, western blotting.



Meccanica TAU

Founded in 1984, MECCANICA TAU is a leading player in the market for high precision mechanics. It's a strategic partner for the supply of precision mechanical components realized through precision machining for biomedical and precision micro-mechanics sectors.



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Complex Machining Operations

Thanks to its experience in the sector, its exclusive machines and skilled technicians, Meccanica TAU can perform complex machining operations in order to meet the most demanding expectations of its Customers. Specialized in the machining of all types of ferrous and non-ferrous materials, plastic materials hardened steel, alloys and superalloys, in particular: Stainless Steel (303-304-316-420b), Steel 630 17-4PH and Titanium.

Quality Control

Meccanica TAU has a quality control department with the best measuring instrument. These instruments are regularly checked by authorized companies, which certify their correct functioning. Highly skilled technicians plan rigorous controls throughout the production process. This ensures the required quality of the product. Meccanica TAU provides dimensional control reports. These reports go along with each batch of the pieces, ensuring a perfect traceability of the product.



OrthoDigital

The project aims to create the first scalable and replicable prototype of FabLab Odontotecnico specifically dedicated to the support of public children's dentistry, able to allow the NHS to provide dental LEAs for the developmental age in inland and mountain areas of the country thanks to a combined use of digital opportunities.



Digital Services in the Orthodontic Field



OrthoDigital is a systems integrator able to provide digital services to support prevention, diagnosis and therapy in the outpatient orthodontic field through a technical, logistical, instrumental and organizational platform, able to support the ASL in the start-up of health protection programs dentistry in developmental age provided for by the new Essential Levels of Assistance (monitoring of caries and malocclusions and correction

of orthodontic pathologies at greatest risk). The Protocol aims at the simplification of procedures and the rational use of human, instrumental and material resources, guarantees the appropriateness of the service and the right to care, reduces access to hubs and frees hours that can be reallocated in home care programs, responding to the needs of Patients who require customized management of care based on the type of disability.

Skytechnology

Since 2004 Skytechnology has been providing compliance and embedded services to Medical Devices and Pharma industries. Our turnkey products range from concept to tested and certified industrial prototypes, conforming to International Standards. Our expertise are: HW/FPGA services; SW services; Governance&Compliance services; test and simulation Systems.



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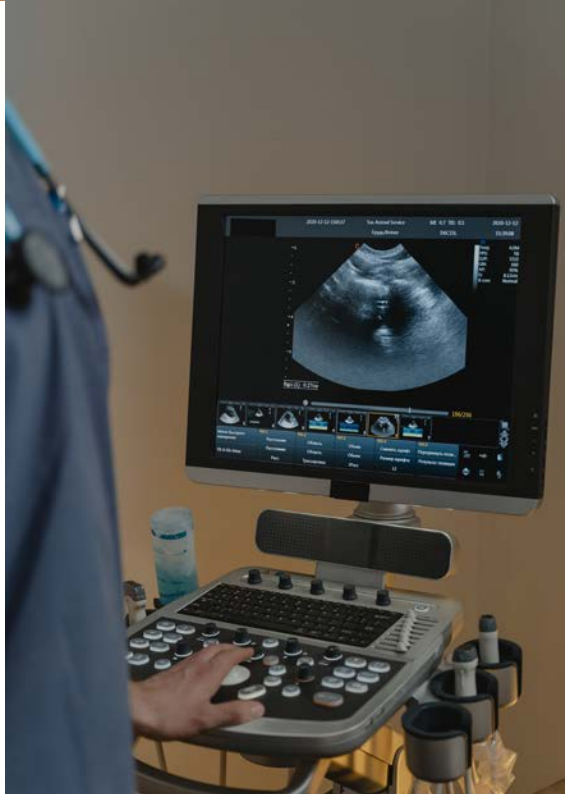


Governance & Compliance Services

Skytechnology helps small and medium-sized Medical Device Manufacturers as well as large International Groups in the development of products conforming to the applicable International Standards (IEC / EN, ANSI / IEEE, ISO, CMMI) and in the certification of their Quality Management System (QMS). Our Company supports Customers developing a strategy for the compliance of products and QMS by managing the changes resulting from new Standards or new editions of Standards.

SW&SW Testing Services

Skytechnology designs, develops and tests Firmware and Software based on multiple HW/SW platforms. We cooperate with Companies applying workflow and models prescribed by the main International Standards like IEC 62304 (Medical), EN 50128 (Transportation), ECSS (Space), RTCA/DO-178B (Avionic), ISO 26262 (Automotive). According to the Customer needs, the applied project workflow follows the classic Water-Fall scheme or the Agile scheme.



Use-Me-D

Use-Me-D srl, founded by Eng. Ravizza in 2018, is an innovative startup located in I3P (incubator for innovative companies) of the Politecnico di Torino. The company provides consultancy services for Quality management systems, Regulatory and Usability of medical devices.



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Regulatory Consulting Services

USE-ME-D provides regulatory consulting services in all phases of the medical device's life cycle. We mainly address to medical device manufacturers who want to accomplish the development and the CE certification of any innovative medical device in compliance with the Regulation 2017/745. We specialize in support for design and validation of software, including AI applications.

Usability Consulting Services

USE-ME-D provides usability consulting services from the design to the market. We specialize in the realization of usability studies for both formative and summative evaluations of the device user interface, in the analysis of the results of usability studies and in the issue of reports in compliance to IEC 62366.



Together to compete

We are an innovative cluster: a network of research, industrial and technological excellences in the Piedmont region, dedicated to the life sciences and health sectors.

We work side by side with academic institutions, research centers, start-ups, micro, small and medium-sized enterprises, large multinationals, foundations, local health authorities, hospitals, training institutions and providers of specialized services; the goal is to generate economic and social value by focusing on people's health.

Thanks to the competences of our members and the strength of the whole ecosystem, we are able to be a bridge capable of closing the gaps between the actors

involved, we facilitate the opportunities for networking, we provide specialized services for innovation, the development of new business, internationalization, communication and training.

Our horizon is always open to new opportunities: we collaborate with other Italian and foreign clusters, we are sensitive to global trends, we operate successfully on the international markets and we inspire decisions for a better tomorrow.

bioPmed is an initiative strongly backed by the Piedmont Region; since 2009 the activities are managed, supported and promoted by Bioindustry Park Silvano Fumero SpA.



The Place for Life Sciences

Bioindustry Park is a scientific technological park specialized in the development and acceleration of innovative enterprises in the area of Life Sciences and Human Health.

It covers an area of over 76,000 sqm and houses of 42 research centres, multinationals, SMEs and start-ups.

The hub has purpose build dedicated areas for laboratories, drug production centres, community and meeting services. It supports innovative companies by offering flexible tailored solutions and scientific consulting.

Since 2020 the Park also has become a campus, housing the new facilities of the Istituto Tecnico Superiore Biotechnologie e Nuove Scienze della Vita, the Advanced Technical Institute for Biotechnologies and new Life Sciences.

Bioindustry Park intends to benefit from results of research, transforming them into technological products and process innovations meeting the needs the globally innovative companies have in starting, developing and becoming competitive.

Main shareholders



bioPmed
PIEMONTE INNOVATION CLUSTER

Managing Company  **BIOINDUSTRY PARK**
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