MEDICAL TECHNOLOGIES IN BRUSSELS

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BEA

FOREWORD

"Medical Technologies" development involved various field of activities, an interdisciplinary approach and a close communication between the academic and the entrepreneurial world.

This brochure gives an overview of the academic area, the companies involved in production and/or R&D and the support organizations active in the **"Medical Technologies"** field in the Brussels-Capital Region.

Are you looking for new partners or have you any questions don't hesitate to contact either directly the companies, the universities, the institutions or:

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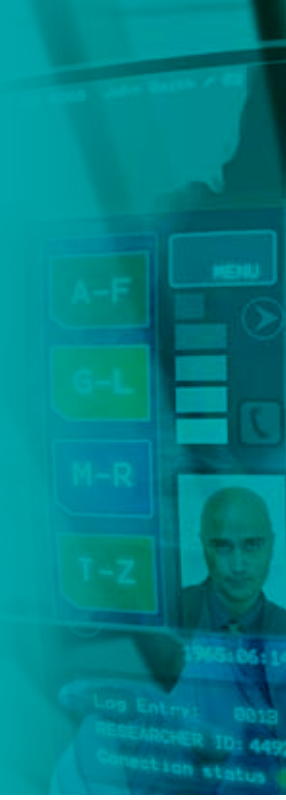
MEDICAL TECHNOLOGIES
IN THE BRUSSELS-CAPITAL REGION



The Brussels-Capital Region with its central position in northern Europe has a population of one million (around 10% of the Belgian population). Even though the Region covers 161 km² (0,5% of the Belgian territory), it represents 15% of the global healthcare activity in Belgium comprising as well hospitals, private doctors, universities and industries.
The dynamism of the Brussels healthcare sector results from a close collaboration between universities, the industry and the support of the Regional Institutions. The presence in a small area of three main universities, a broad network of hospitals linked with these universities, is a favorable environment for the development of Medical Technologies activities in the Brussels-Capital Region.

The Medical Technologies Market*

Medical Technology extends and improves life. It alleviates pain, injury and handicap. Its role in healthcare is essential. Some 500.000 technologies (10.000 generic groups) are available today. These are "medical devices", according to the definition of the EU Medical Devices Directive (93/42/EEC).
There are 12 categories of products in the Global Medical Devices Nomenclature. This catalog will follow this nomenclature to order the Brussels companies.
Medical Technology is one of the most innovative industries in the world, improving and saving lives every day. The European medical technology industry invests some €5,8 billion in R&D and employs near to 529.000 highly skilled workers. The high level of employment is a sign of the importance of the industry to the European economy. In Belgium more than 5.500 workers are employed in the medical technology sector.
Small and medium sized companies make up more than 80% of this sector.
The European medical technology industry is growing at a rate of between 5% and 6%.
The healthcare sector is facing a demographic pressure and a huge need of new medical technologies. This demographic evolution is driven by a rapidly growing world population and aging population. The demand for healthcare will explode following these trends, so the sector needs new technologies to face this population boom.
Moreover, the medical sector is moving to a more service-oriented medical patient and a need for greater efficiency in terms of costs.
The development of new medical services depends on an extensive collaboration between companies that have the knowledge in some specific areas.

* Source : Eucomed

For example the collaboration between telecommunications and medical technology will lead to a major trend, the telemedicine. Thanks to this technology, we can now treat patients remotely. The remote monitoring, for example, allows continuous monitoring of the health status of chronically ill patients from their homes.

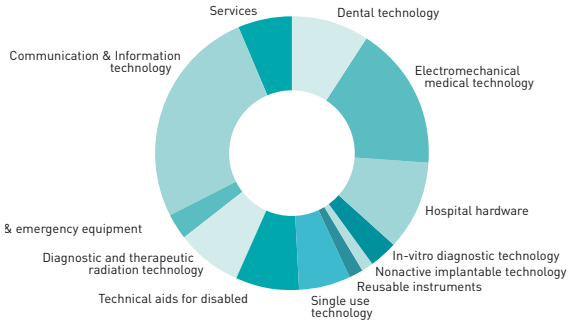
The Brussels Medical Technologies Sector

The "Brussels Life Tech" Cluster

"Brussels Life Tech" is the Brussels Region cluster supported by the Life Tech Business Unit of BEA, the Brussels Enterprise Agency. It gathers the biotech, pharma and medical technologies players of the region and aims at increasing the visibility of the Brussels know-how, stimulating innovation, encouraging international partnerships and generating synergies between the players.

Companies in Brussels

In the Brussels-Capital Region, all the areas of the medical technologies are considered thanks to Brussels companies but also Belgian subsidiaries of multinationals.
Among healthcare activity, the Brussels-Capital Region comprises more than 190 Medical Technology companies, which are classified in sub-sectors according to a classification used in great European events and in concordance with the European Directive 93/42/EC of the "Medical Devices". In this brochure you will find the profiles of 43 companies involved in R&D, production or services activities.
The two main sub-categories are the electromechanical medical technology and the communication & information technology. Combining these two domains, the Brussels-Capital Region represents a big pool of "telemetry" companies.



Research in Brussels

In Brussels, the presence of 3 main universities, ULB (Université Libre de Bruxelles), UCL (Université catholique de Louvain) and the VUB (Vrije Universiteit Brussel), one Haute Ecole, the Haute Ecole Paul-Henri Spaak and 5 university hospitals, has provided a favourable environment for the development of Medical Technology companies. The research is also supported by ISRIB (the Institute for the encouragement of Scientific Research and Innovation of Brussels).

Financing possibilities

The Brussels Regional Investment Agency, Business Angels Connect, the Participation Fund, the Warranty Fund, Venture Capital providers and business oriented banks offer different possibilities of funding start-ups and fast growing companies. The Brussels Regional Authorities have created efficient financial mechanisms in order to support the scientific research and the technological development efforts of the companies in the Brussels area: subsidies or interest less loans can be obtained for R&D activities. Regional financial support can also be granted from the Foreign Trade Office for helping companies to export their products and services.

Business Development Support

Through its "Life Tech Business Unit", the Brussels Enterprise Agency (BEA) develops different kinds of services for the Brussels Medical Technologies players: technology and commercial partnership, strategic information, project validation, industry-university collaboration, participation to international events, communication tools development.

Think Europe, act from Brussels

Many people know Brussels as the political capital of Europe and the centre of many of the European institutions. Decisions affecting the life of 450 million people are taken here every day, and this is why Brussels has also become the home of many multinational headquarters.

But other important factors have made Brussels one of the world's leading business centers. It is located at the heart of the wealthiest and most populated area of Europe. Sixty percent of the EU purchasing power lies in a 300 miles radius. Brussels International Airport is located 12 km from the city center and the new rapid train network (TGV) provides rapid rail services to Paris, London, Amsterdam and Frankfurt. Brussels is a city of 1 million inhabitants with an astonishing variety of cultures, styles and nationalities. Unlike other European capitals, it is large enough to be cosmopolitan and yet small enough to allow its inhabitants to enjoy all the advantages of a human size city. Geographically, economically and thanks to its outstanding quality of life, Brussels has convinced numerous overseas investors, from SME's to international headquarters to set up their company in this unique region.

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RESEARCH AREA LANDSCAPE

In the **"Research Area Landscape"**, Universities are key vehicles for technology transfer.

With three main universities, a broad network of hospital linked with these universities and research centers, the Brussels-Capital Region, in a restricted area, developed an important potential in research activities.

UCL (UNIVERSITE CATHOLIQUE DE LOUVAIN)

The Université catholique de Louvain (UCL) has a longstanding, worldwide recognised expertise in Exact and Medical Sciences.
Many research projects are performed both in Louvain-la-Neuve and on its biomedical campus in Brussels.

Indeed, teams originating from four faculties are involved in a multidisciplinary technological research: **the Faculty of Bioengineering, Agronomy and Environment, the Faculty of Applied Sciences, the Faculty of Medicine and the Faculty of Sciences.**

The Brussels campus also hosts the Cliniques universitaires Saint Luc (www.saintluc.be) which act as partner in more applicated projects related to healthcare, and the Brussels Life Science Incubator (www.blsincubator.com).

The Université catholique de Louvain is proud of its tradition of crossing frontiers in teaching and research. This is facilitated by the short distance between laboratories and is demonstrated by joined projects, as well as by the frequent involvment of graduate students in more than one laboratory.

Therefore, the Research Management Office of the UCL has edited a collection of **booklets** gathering the competences of its research units by thematic. The main objective of these documents is to **catalyse the development of scientific research, to promote synergies and to enrich the partnerships** so as to develop the scientific assets at the industrial level and by the way, improve the quality of research.

Up to now, six themes in relation with medical technologies have been covered: biomedical engineering, biotechnology and biomedical applications, cancerology, food science and nutrition, materials, ICT - http://www.uclouvain.be/en-349.html

The expertise of UCL in nanotechnologies and ICT has recently been entrusted by the Walloon Region's programme **NANOTIC**, which objective is to **develop intelligent sensors** used to investigate various media (biological fluids, gas pipes, cell cultures, ...) - www.nanotic.net/home-english

UCL also owns **specific scientific equipment** such as class 3 laboratories, clean-room facilities, ...

UCL has also valorised its research by the creation of **spin-off companies.** Several of them are related to medical technologies: Cissoid (microelectronics – www.cissoid.com), Ibt (brachytherapy – www.ibt-bebig.eu), IBA (sterilisation, radiotherapy – www.iba-worldwide.com), It4ip (ion track technology – www.it4ip.be), Neurotech (implantable medical devices – www.neurotech.be), Telemis (medical imaging – www.telemis.com), Arsalis (measurement of human motor performance – www.arsalis.com), Polymedis (medical informatics – www.polymedis.com).

Medical Technologies' Related Research Topics at UCL

Bio-instrumentation
- Robotic and computer aided orthognatic and craniomaxillofacial surgery
- Drug delivery systems (4M µpumps)
- Radiosterilization of drugs and destruction of drugs and microorganisms in hospital aqueous solution, also waste waters

Bioinformatics
- Analysis of biochemical networks
- Analysis of signals generated by micro-arrays

Rehabilitation engineering
- Middle and inner ear implanted hearing aids
- Neural rehabilitation engineering
- Functional evaluation in rehabilitation medicine
- Non-invasive assisted ventilation
- Physiopathology and biomechanics of the human locomotion
- Mechanims and treatment of the chronic neuropathic pain syndromes
- Force platforms with IR cameras for motion analysis
- Analysis and treatment of respiratory failures

Medical imaging and signal processing
- Medical imaging of cerebral, hepatic and renal function
- Functional magnetic resonance (NMR, EPR) spectroscopy and imaging in tumors
- Biomedical data analysis and signal processing
- Medical imaging and multimodal interfaces
- Molecular imaging for radiotherapy
- Human-computer interactions
- Registration methods and atlas constitution for surgical operation and radiotherapy
- Hospital information systems

Biomaterials
- Bone, joint and nerve reconstruction
- Biocompatibilization of polymer devices
- Odontological biomaterials
- Efficacy of a thermoplastic polylactic membrane on guided tissue regeneration and guided bone reservation in periodontology
- Drug delivery systems
- Biomimetic surfaces
- Bio-material interfaces
- Design of scaffolds for human isolated follicle transplantation

Sensors and biosensors
- Micro-sensors and microelectronic circuits integrated on silicon and silicon-on-insulator (SOI) substrates
- Nano-bio-sensors for biomedical assays
- Spectrophotometric sensors for biomedical diagnosis and control
- Electrophysiological exploration of the pain system
- Development of a microarray allowing the study of the genic expression in prostatic cancers
- Development of microarray for genotyping bacteria and mycobacteria
- Multigenotypic identification of pathogenic bacteria and their resistance determinant using biochip technology
- Pharmacogenetics of cytochrome p450, thiopurinemethyl-transferase and multidrug resistance
- Interfaces for respiratory monitoring in emergency care
- Functional organic and hybrid nanowires and nanotubes

Machine learning-data mining
- High-dimensional data analysis
- Classification, regression and clustering

For more information on research and development activities:

The Université catholique de Louvain (UCL)
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B - 1348 Louvain-la-Neuve

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Fax: **+32 10 47 48 30**

E-mail
info-adre@listes.uclouvain.be

Website
www.uclouvain.be/en-recherche.html

ULB (UNIVERSITE LIBRE DE BRUXELLES)

The Université Libre de Bruxelles (ULB) owns an academic hospital (Erasme Hospital) and has created a large network of academic hospitals among which Queen Fabiola Children's University Hospital, Saint-Pierre University Hospital, Brugmann University Hospital, and Jules Bordet Institute. Alongside them, it also benefits from a vast hospital training network in Brussels, Brabant and Hainaut.

The Faculty of Medicine bases its teaching on research carried out in practically all the specialist fields. (see http://www.ulb.ac.be/rech/inventaire/facultes/medecine.html**).**

A range of areas of expertise and value creation activities result from this joint research, undertaken with the University's other Schools and other Belgian and foreign research infrastructures, enabling this network to generate a number of major growth fields in the Brussels Region:

Molecular Biology

The Faculties of Science and of Medicine at the ULB conduct both experimental and clinical research. The originality of its work stems most frequently from the combination of these two approaches: laboratory experiments explain clinical observations and the clinical application takes advantage of the basic discovery. This work notably makes it possible to establish the physiological roles of these receptors and their ligands and implications in various pathologies; the study of intercellular communication enables ideal targets to be identified for the development of novel therapeutic agents in such varied fields as neuropsychiatry, endocrinology, inflammatory diseases and the treatment of AIDS; research finds applications in the development of new vaccines, in the rational design of new medicines and the development of new therapeutic approaches such as immunotherapy and gene therapy.

Cancerology

The Jules Bordet Institute is the leading Belgian institution which is entirely devoted to screening, diagnosis and treatment of cancer whilst at the same time exercising a scientific, clinical and pedagogical activity for many cancer-related health problems. This field of research has been the focus over recent years of numerous value creation activities (patents and creation of enterprises).

Immunology

Immunosuppression and organ transplants, immunodeficiency and new pathologies, cell marking and cancer therapies, etc. are all application for this field of research, which has enabled the research units to be included in international networks and the development of new economic activities.

Pharmaceutical Research

The Pharmacy Institute includes research units working in the field of medicine sciences and related sciences. Numerous research contracts are concluded with the pharmaceutical industry, notably to develop new medicines and to improve their conservation. The University hospital infrastructures also make it possible to conduct clinical research for the private sector.

Public Health

The Public Health School develops activities in several fields related to public health: occupational medicine, industrial hygiene and the environment, community health, hospital and medico-social sciences, age-related problems and the health economy. It undertakes numerous research projects in Belgium, at the European level and in developing countries, notably with regard to the following areas: epidemiological monitoring, toxicology, hospital planning, adolescent health, etc. Teams also focus on the influence of the working environment (noise, vibrations, temperature and lighting) on workers' health and wellbeing.
Other teams attempt to identify the health risks and acceptable exposure levels with regard to substances present in the environment.

Biomedical Engineering and Medical Devices at ULB

As an essentially multidisciplinary field, the research activities of the ULB in Biomedical Engineering involve numerous research units within several Schools: Medicine, Sciences, Applied Sciences, but also Pharmaceutical Institute, Psychology and Education, Law, etc.
At the educational level, the new biomedical section of the Engineering School does propose two orientations:

- Biomechanics and medical devices
- Biomedical computer science and imagery

At the research level, we hereunder mention a selection of the most representative projects and realizations of ULB research units:

- A portable and autonomous appliance for the measurement and remote transmission of electromyographic (EMG) signals
- A ligament tensor for total knee arthroplasty
- Multiple Electrodes Radiofrequency Device for hepatic tumor ablation
- A hand-held surgical device (trephine) adapted for making a bore in a tissue or a
- joint and for delivering a–preferably liquid–medicament, or a material to said tissue or joint 3D holographic microscope for biological observations
- Endoscopic tool for surgery
- An improved protocol for the Real-Time PCR (RT-PCR) technique, useful for an accurate, quantitative assessment of the immune response (e.g. in vaccine response assays)

- Diagnostic tools enabling the early detection of infantile allergies
- A computer-controlled intravenous drug delivery system, particularly useful in
- Anesthesia
- A process for the acquisition of information intended for the insertion of a locking screw into an orifice of an endomedullary device
- A method, device and computer program for analyzing a large number of populations of biological components, using flow cytometry
- A portable device for the assessment of the cerebral cortex
- A predictive kit for breast cancer for ER+ patients
- An electrospraying device maintaining the integrity of the liquid in the device over prolonged periods of time
- A multi-nozzles array for the injection, vaporization or nebulization of important volumes while taking into account constraints on droplets size
- A gastrointestinal implant that enables to reduce food uptake and thereby controlling overweight
- A shape memory endoscopic needle for applications in surgery
- A guide for catheterism used for gastroenterological diagnosis and treatment, characterized by a detachable tip allowing to avoid tissue damages
- A portable muscular evaluation and rehabilitation device that can accommodate various body joints and offer a large number of exercise modes.
- An implantable vertebral prosthesis for replacing damaged articulations of the atlas and axis region (C1-C2)
- 3D modelling methods and tools for visualisation of physiological and anatomical data
- Data fusion of heterogeneous clinical data, with an emphasis on data related to functional evaluation (gait analysis, medical imaging, pressure data, etc)

ULB TTO, as a part of the Research Administration, was created in 1991. It plays the part of an interface between ULB and all institutions – public or private – involved in valorisation of applied research projects. ULB TTO is composed of a multidisciplinary team of 17 professionals highly specialized within their respective fields (business developers, legal advisors, scientific advisors) who work together with a business-oriented mindset in order to fulfill the following global missions: support to researchers for building research projects, management of Research collaborations between university and external partners (industry, SME's, public institutions), technology transfer of R&D (through licensing, spin-off creation ...), management of ULB Intellectual Property (IP), support for R&D project development, contribution to local and regional economic growth
http://www.ulbruxelles.be/rech/ulb-interface/ulbinter-uk.html

For more information on research and development activities:

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Research Department
Technology Transfer Office (TTO)

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Website
www.ulb.ac.be/rech/docs/ulbinter-uk.html

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VUB (VRIJE UNIVERSITEIT BRUSSEL)

The Vrije Universiteit Brussel (VUB) is a dynamic and modern university with two parkland campuses in the Brussels Capital Region: the main campus in Etterbeek is home to seven faculties. In Jette you can find the medical campus and the University Hospital (UZ-Brussel).
High quality education and research are central issues.
Our research teams are internationally recognised in many disciplines of fundamental and applied research.

The Vrije Universiteit Brussel supports all R&D activities in the process leading from scientific discovery and exploration of new knowledge up to invention and development, including the interface with the regional and worldwide industrial and economic actors, the non-profit sector, the policy makers and governments. Building relations with industry is crucial: giving a tangible impact to our R&D by transferring results to industry, government and society is a priority taken care of by the Technology Transfer Interface. Contract research, protection of intellectual property, license agreements, spin-off guidance, ... it all passes through the TTI, the unique entry point for industry, that knows how and where to find the right researchers to answer your questions.

Medical Technologies at the Vrije Universiteit Brussel

Faculty of Engineering
www.vub.ac.be/IR/english/

Robotics and Multibody Mechanics – R&MM
http://mech.vub.ac.be
Head: Dirk LEFEBER

- Medical rehabilitation robotics: ALTACRO–Step Rehabilitation Robot
- Probo–Intelligent Huggy Robot
- Intelligent prothesis
- Pleated pneumatic artificial muscles
- Robot soft arm
- MACCEPA (Mechanically Adjustable Compliance and Controllable Equilibrium Position Actuator)
- Real time dynamic simulations
- Powered Elbow Orthosis
- Ankle foot orthosis and APM foot: compatibility with human wearer

Electrochemical and Surface Engineering
www.vub.ac.be/SURF
Head: Annick HUBIN

- Surface engineering of materials, mostly metals
- Surface treatments and surface analysis
- Materials science and corrosion
- Analyzing and manipulating the metal surface on the very localized, nano-technological scale
- Applications in the medical sector such as testing prothesis for tixicity

Image Processing and Machine Vision - IRIS
www.etro.vub.ac.be
Head: Jan CORNELIS

- Medical imaging and image analysis
- Data fusion
- Content Based Search: search and correlation of multi-modal data, spread over distributed/heterogeneous databases (i.e. image data combined with other patient data such as lab results, ...)
- Compression of medical data
- E-health: Activity monitoring/Multi-sensor fusion

Application domains:

- Caries detection and dental imagery technology
- Comparative analysis of mammograms
- Analysis of the cement layer of femoral hip implants
- Induced change imaging (Dynamic Spiral CT imaging of pulmonary and hepatic liver tumors)
- Segmentation and analysis of MR images of the brain
- Segmentation and the analysis of the mitral valve
- E-Health: Interpretation of behavioral and physiological characteristics of monitored elderly at home

Applied Physics and Photonics – TONA
http://www.tona.vub.ac.be/
Head: Hugo THIENPONT

- Micro-lasers and laser Dynamics
- Micro-Photonics & Nuclear Medicine
- Q-switched CO2 Laser for medical applications

Faculty of Physical Education and Physiotherapy
www.vub.ac.be/LK

Biomechanics–BIME
Head: Bart VAN GHELUWE

- Podiatric biomechanics
- Computerised gait analysis
- Biomechanical simulation modelling and optimisation of sports movement
- 3-dimensional kinematics of human movements.

Vrije Universiteit Brussel

Technology Transfer Interface Brussels

Arthro-kinematics–ARKI
Head: Pierre VAN ROY

- Internal motion mechanisms in human joints
- Computerised electrogoniometry, electromagnetic tracking devices, videobased systems and medical imaging techniques are used to realise 3-D motion analysis
- Modern medical imaging techniques (MRI and helical CT) for 3-D joint kinematics
- Method for simultaneous analysis of 3-D motion components and contact areal displacements

Rehabilitation and Physiotherapy-KINE
Head: Pierre LIEVENS

- Electrotherapy: optimal parameters for electrical muscle stimulation
- Laser therapy studies: working mechanisms of biostimulation effects
- Ankle joint stability : roentgenologic analysis of efficacy of ankle bandages and several ankle braces

Faculty of Medicine and Pharmacy
http://gf.vub.ac.be/english/index.htm

Medical Imaging and Physical Sciences–BEFY
Head: Axel BOSSUYT

- Subunits: Radiology and Clinical Imaging, "Radiotherapy", "Nuclear Medicine"

Research topics:
- Diffusion and perfusion magnetic resonance (MR) imaging
- Susceptibility MR imaging of trabecular bone and its potential for osteoporosis screening
- Picture Archiving and Communication Systems (PACS): digital management of diagnostic imaging
- Tumour Radiobiology and hypoxic cell radiosensitisation by the radical nitric oxide (NO)

Conservative Dentistry and Prosthodontics–COPR
Head: Peter BOTTENBERG

- Corrosion and degradation of dental materials
- Biocompatibility of dental materials
- Toxicity testing of dental materials

Centre for Reproduction and Genetics–EMGE
Head:Karen SERMON

- Reproductive Biology
- In vitro fertilisation
- New surgical procedures to treat gynaecological disease by operative laparoscopy
- Search for retrieval techniques for immature spermatozoa

Surgery Specializations–HEEL
Head: Georges DELVAUX

- Experimental, gastrointestinal, paediatric, vascular orthopaedic and trauma, plastic, neurosurgery

Stomatology, Orthodonty and Parandontology–SOPA
Head: Heinrich WEHRBEIN

- Oral hygiene aids
- Use of anti-bacterial compounds in the prevention and treatment of periodontal diseases
- Diagnostic techniques in periodontology

Specialities–SPEC
Head: Diane ROSEEUW

- Brain imaging techniques (single photon emission tomography–SPET) : research in the field of depression, effects of antidepressant therapy, antypsychotics in schizophrenic patients.

Gyneacology-Urology–URVO
Head: Paul DEVROEY

- Imaging of the cervix in the screening and prevention of cervical (pre-)cancer
- Development of laparoscopy in gynaecological oncologic surgery
- Co-operation in multi-centre clinical trials on surgery, chemotherapy and radiotherapy for gynaecological cancers
- Obstetrics

For more information on research and development activities:

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HAUTE ECOLE HENRI SPAAK

Since 1996, the Haute Ecole Paul-Henri Spaak (HEPHS) is a dynamic Higher Education Institution with six campuses in the Brussels-Capital Region and one in Wallonia.
Even if the main objective of the Haute Ecole remains the delivery of high quality education, it has built up, since several decades, multiple research competencies and expertise often recognised at international level.
Capitalizing on more than 40 researchers and experts, the HEPHS extensively participates in applied and fundamental research projects with the industrial world at Belgian and international levels.
With a spirit of pluralism, the HEPHS wants to participate in the development of its social, business and cultural environment.

Three research units located in the Institut Supérieur d'Ergotherapie et de Kinésithérapie (ISEK) department are active, for more than 80 years in Ergotherapy and Physiotherapy. Through national and international collaborations, experimental and applied researches are conducted in order to develop new methodologies and techniques to improve diagnostic aids.

Anatomical Biomechanics and Morphology Unit

Study of the mechanical behaviour of the pelvic floor, especially of pelvic straits before and after muscular pre-stressing. Studies include anatomical description, clinical implications, mechanical and dynamic modelling in particular of the levator ani muscle. These studies are of great importance to help people afflicted by incontinency but also open new understandings of the pelvic floor mechanics

- Modelling of the biomechanics of arterial and venous flows: the venous and arterial functions are analysed during variations of pressure inside the abdominal girth. The dicrotic wave (diastolic) is also analysed during variations of the posture and activities of the human body
- Clinical study of the consequences of episiotomy. The study evaluates the anatomical variations of the pudendal nerve in ordre to detect pain, lesions etc. and to find out new physiotherapic techniques coping with pain
- Numerical modelling of anatomical structures in order to understand the mechanisms of a lesion
- Analysis and considerations of the biomechanical and anatomical evolution of bipedalism
- Software and hardware developments allowing human volumes analysis

Lymphology and Phlebology Unit

- Study of the physiology of lymphatic oedemas using NMR imaging (MRI). Digital images of lymphatic vessels are compared with histological views to increase the understanding of the lymphatic system in the human body and to improve diagnostical aid and patient management
- Analysis of in vivo human imaging and correlation with the images observed after injection of lymphatics in piglets
- Study of the cardiac function (haemodynamic and cardio-pulmonary parameters) in cardiac patients by using pressotherapy techniques, multilayer bandages and manual lymphatic drainage

Environmental and Occupational Physiology Unit

The main objective of the unit is to better understand the human efficiency under normal and
extreme occupational activities and in stressful situations in order to improve human efficiency in such situations.
Several physiological parameters are measured on site by means of electromyography, evoked potentials measurements, echo- and echocardiography, vibration and respiratory analysis, metabolic cost evaluation of human activity, (environmental) stress analysis, fatigue, ...

- Study of the Diffusing capacity of the Lung for Carbon Monoxide (DLCO), the Functional Residual Capacity (FRC) and, the Flow Mediated Dilation (FMD) in young smoker, passive smokers and non smokers populations.
- Evolution of respiratory noises (turbulences) during mucus-clearing sessions in mucoviscidosis patients.
- Physiological parameters study in extreme environments like microgravity, confined environments (in collaboration with aerospatial agencies), hyper- and hypobaric situations, hot and cold environments, ...
- Physiological parameters studies of airplane pilots exposed to radiations (in collaboration with the Nuclear Physics and radiation Laboratory)
- Physiological parameters studies of extreme athletes (like apnea divers and extreme triathletes)
- Stress level analysis of airplane pilots, children at school and, professionals at work

Two research units located in the ISIB (Institut Supérieur Industriel de Bruxelles) are active in nuclear physics and applied researches.

Haute École Paul-Henri SPAAK

Nuclear Physics and Radiation Laboratory

For more than 20 years the laboratory has developed a national and international expertise in radiation and nuclear physics, nuclear engineering and, radiation protection. In particular, the lab is involved in:

- Study of the exposure of the public to naturally occurring radioactivity, especially the study of the pollution of buildings by radon, second main cause of lung cancer
- Metrology and simulation of ionising rays, including the application of spectrum deconvolution
- Applications of radioactive tracers in the car industry
- Medical physics. Using the Monte Carlo simulation as well as measurements, the lab has performed a dosimetric study of Sr-Y (Strontium – Yttrium) sources used in endovascular brachytherapy. It is currently involved in similar studies for other brachytherapy sources.

In addition, trainings in radioprotection are provided to paramedical professionals and experts (according to the Arrêté Royal / Koninklijk besluit of July 20, 2001art 53.2 and 73.2).
The lab is one of the founder members of the Cooperation for Higher Education on Radiological and Nuclear Engineering (CHERME) Network.

IT and Electronics Unit

This unit is active in development and implementation of IT and electronics applications, devices, and solutions.
In the medical domain, the unit studies and develops (in collaboration with the Anatomical Biomechanics and Morphology Unit) innovative tools/methods for the assessment of the physiological and cardiovascular state by means of non-invasive measurement methods such as echography imaging, plethysmography, ...
Currently, the unit develops advanced image processing software for Flow Mediated Dilation (FMD) evaluation.

For more information on research and development activities:

InduTec – Transfer Technology Centre for the Brussels Industrial Engineering Institutes

Avenue Nellie Melba, 73
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COMPANIES INVOLVED IN **MEDICAL TECHNOLOGIES FIELDS**

With 43 "**Medical Technologies companies"** involved in R&D, production or services activities, the Brussels-Capital Region represents an attractive and diversified panel of expertise.

2INGIS

DENTAL TECHNOLOGY: DENTAL IMPLANT AND MAXILO FACIAL GUIDING SYSTEM

Rue de Ransbeek, 310
B - 1120 Brussels (Belgium)

Phone: **+32 2 770 27 80**
Fax: **+32 2 770 37 50**

E-mail
info@2ingis.eu

Website
www.2ingis.eu

Contact person
Philippe DE MOYER

Date of establishment
1991

Number of employees
10

Turnover
515.900 Euros

Activities in Brussels
Headquarter
Manufacturer
Research & Development (R&D)

Activities in other countries
Sales in the Netherlands, Germany, Switzerland, Spain, Luxemburg, Korea, France

Corporate description

2INGIS brings Technology and Know-How to Dental Professionals so that they can offer their patients a new smile using dental implants thanks to the simple, predictable and sure 2INGIS Guide System.

History

2INGIS S.A. was established in 1991 by P. De Moyer Building upon the expertise in prosthetic solutions, the company quickly set itself apart in the marketplace by providing its clients with substantial technology and scientific support. The company has its own R&D department since 1999 which, after years of in-depth research, has developed new technologies that make the placing of implants (using with surgical guides) predictable, easier, safer and quicker. Several of these technologies have been patented. Today, 2INGIS S.A. is working very closely with several International industrial partners and University Dental Centers to assert its high level of technology. The precision, aesthetics and quality of 2INGIS S.A products have enabled it to become one of the leading European companies in its field thanks to technology that enables predictable outcome.

Market

Dentists, dental specialists (stomatologists, maxillofacial specialists, orthodontists, ...), dental laboratories and manufacturers of dental implants.

Technology description

The 2INGIS company makes the following products:

- Radiological guides
- Analyzing and planning service
- Surgical guides
- Surgical tool planning
- Prosthetic solutions on implants, maxillofacial and orthodontic solutions

The 2INGIS specializations:

- Surgical planning service on implants maxillofacial and orthodontic solutions
- Services (via Internet) complementing computer-aided implant positioning solution
- Radiological and surgical guides Development of an innovative new pre-implant planning technology which enables prosthesis
- Optimization, creation and assembly placement in the mouth. Presentation of this research and these implantology developments is received with considerable success in Europe
- Training

The goal of the company is to enable its customer to better quality of service to patients than its direct competitors through:

- Precise adaptable surgical solutions giving predictable results
- Superior aesthetics and functional outcome without pain and discomfort
- Professional advice to dentists, surgeons and dental laboratories (treatment plans, impressions and occlusion transmittal)
- Increase job-satisfaction for dental professionals

State of the technology

- Available for demonstration
- Already on the market

Intellectual Property Rights (IPR)

- Patents applied - not granted
- Patents granted
- License agreements reached

Services description

Implant placement and surgery planning, advice and education.

Products description

Radiological and surgical guides. Tools: surgical tools.

Innovative aspects

High precision surgical solutions. Special contra-angle (patented) and guidance for the use of surgical guides during dental implant placement and surgical aplications.

Research & Development (R&D)

The maxillofacial and orthodontic field.

Type of partnership sought

- Further research/development support
- License agreements
- Transfer of know-how
- Manufacturing/Subcontracting agreement
- Financial resources
- Joint venture agreement
- Distribution agreement

Type of partner sought

- Small to medium sized company
- Large company
- University
- Research Institute

ABA SMILE & HEALTH

Corporate description

Created in 1988, A.B.A. Smile & Health were initially active in the trade of compensation before launching out in 1991 in the medical products and more specifically in the condoms.

With the recording in 1991 of our mark "Sourire-Smile" and later "Smile/Ibtissama" for the Arab markets, A.B.A. Smile was the first to promote a positive approach of the condoms for the prevention of the diseases sexually transmissible and the pregnancy.

Through a marketing directed towards the young people which radically changes the image current of the condom, which usually means "protection".

A communication without taboo nor vulgarity, which associates humour and the prevention, allows people to express themselves, easily and with more freedom on this very significant subject.

Our "Smile" is sold in more than 30 countries directly.

Market

Condoms indicated in the prevention of the diseases sexually transmissible and contraception.

Technology description

The factory which produces our condoms is certified ISO 13485 and ISO 9001.
This factory produces the condoms in conformity with the most strict standards such as: ISO 4074:2002, WHO, NF, ...
Controlled by SGS.

State of the technology

- Already on the market

Products description

Condoms indicated in the prevention of the diseases sexually transmissible and contraception.

"SOURIRE/SMILE", "IBTISSAMA", "EMOTION" and our condoms "FUN & SMILE", the latter scented with vanilla, mint and banana, are made out of natural latex lubricated and are indicated in the prevention of the diseases sexually transmissible and contraception.

Avenue Jules Bordet, 68
B - 1140 Brussels (Belgium)

Phone: **+32 2 726 68 02**
Fax: **+32 2 726 70 45**

E-mail
smile.condoms@skynet.be

Website
www.smile-condoms.com

Date of establishment
1988

Activities in Brussels
Headquarter
Production
Distribution

Activities in other countries
Sales in more than 30 countries

ARGONIX

SINGLE USE PRODUCTS AND CONSUMER GOODS FOR SURGERIES AND HOSPITALS - LABORATORY EQUIPMENT - MEDICAL FURNITURE AND EQUIPMENT

Avenue Brugmann, 573
B - 1180 Brussels (Belgium)

Phone: **+32 2 343 17 58**
+32 19 51 55 19

E-mail
argonix@skynet.be

Contact person
Pierre-Jacques VAN ROY

Date of establishment
2005

Activities in Brussels
Parent company
Production
Research & Development (R&D)

Corporate description

Argonix is a Belgian company set up in 2005 that specializes in the design and production of computerized industrial equipment.

Argonix specializes in critical and specific applications for the pharmaceutical industry, nuclear medicine and radiation protection.

Argonix takes charge of entire project design and integrates the complete production, assembly, finalization and implementation chain.

Market

- Nuclear medicine, hospitals
- Production, distribution services
- Vial and syringe filling system
- Container for radiation protection

Technology description

Argonix has developed a system for filling syringes that can be used to fill sterile disposable syringes individually or in small numbers within a limited space.
The equipment is designed to be inserted into a laminar flow or a lead casemate.

At the same time, in partnership with the French company Inox-Pharm, Argonix has developed a system for filling sterile vials as well as the associated radiation protection equipment.
The vial filling system is being examined with a view to inserting it into a laminar flow or a casemate.

The equipment was initially designed for nuclear medicine with the possibility of adapting it for the pharmaceutical industry.

The filling system can be used to provide a syringe or a vial filled with a specific dose, for a given patient, directly in a protection container.
The filling procedure is fully computerised and does not require the intervention of an operator.

State of the technology

- Development phase
- Already on the market

Intellectual Property Rights (IPR)

- Patent pending

Innovative aspects

Filling individual vials and syringes without human intervention in difficult conditions.

Type of partnership sought

- Production/Subcontracting agreement
- Joint venture
- Distribution agreement

Type of partner sought

- Small to medium sized company
- Large company
- University
- Research Institute

Argonix spri

BIOMEDICAL SYSTEMS

ELECTROMECHANICAL MEDICAL TECHNOLOGY - COMMUNICATION AND INFORMATION TECHNOLOGIES: DIAGNOSTIC AND TELEMEDICINE

Corporate description

Biomedical Systems is a global provider of centralized diagnostic services for the pharmaceutical and medical device industries. The international headquarters are based in St.Louis, Missouri, USA and the European headquarters in Brussels.
Established in 1975, Biomedical Systems has contributed in more than 1000 clinical research trials at more than 11,000 research centres in 75 countries.

Biomedical Systems centralized services include the collection and analysis of data for cardiac safety and medical imaging and pulmonary function assessment.
Since our first clinical trial in 1985, Biomedical Systems has assisted some of the world's largest pharmaceutical and biotechnology companies to complete clinical trials (phase I to IV) for drugs that make a global impact.
Many companies and contract research organizations depend on Biomedical Systems' Pharmaceutical Services because of our expe-rience (we currently ope-rate in more than 60 countries), our reliance on the best available technology, and our unrelen-ting dependability.

Market

Hospital, nursing homes.
Biotech or pharma companies.

Technology description

Software package for Holter analyses.

Intellectual Property Rights (IPR)

- License agreement reached

Services description

Our services include Centralized Digital ECG, Spirometry, Holter Monitoring, Ambulatory Blood Pressure Monitoring, Cardiac Event Monitoring, Pulse Oximetry, Peak Flow with Electronic Diary and since 2004, Central Medical Imaging Assessments for clinical studies.

Innovative aspects

Equipped with all new techniques.

Waversesteenweg, 1945
B - 1160 Brussels (Belgium)

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Fax: **+32 2 661 20 71**

E-mail
brussels@biomedsys.com

Website
www.biomedsys.com

Contact person
Geert DEWULF

Date of establishment
1975

Number of employees
90

Number of employees in R&D
25

Turnover
20 million Euros

Activities in Brussels
Research & Development (R&D)
Service company
Supplier/Distributor

biomedical systems
35 YEARS OF ROCK SOLID PERFORMANCE

BRACING CENTER

TECHNICAL AIDS FOR DISABLED: ORTHOPAEDIC TECHNOLOGY (BANDAGES, WALKING AND MOBILITY AIDS, PHYSIOTHERAPEUTIC MOBILITY AIDS, REHABILITATION EQUIPEMENT AND DEVICES)

Rue Walcourt, 150 d4
B - 1070 Brussels (Belgium)

Phone: **+32 2 520 58 98**
Fax: **+32 2 522 93 84**

E-mail
bbertrand@bracingcenter.be

Contact person
Baudouin BERTRAND

Date of establishment
1998

Number of employees
4

Number of employees in R&D
1

Turnover
500.000 Euros

Activities in Brussels
Production
Distribution/Sales
Research & Development (R&D)

Activities in other countries
France: distribution of orthopaedic equipment

Corporate description

Bracing Center focuses on specialists from the world of medicine-surgeons, orthopaedic specialists, rheumatologists, physiotherapists, sports medicine and rehabilitation.

From 1998, Bracing center apply the GII product range in Belgium, specialized in products for the knee, including both customized and prefabricated appliances.

Our technicians, approved orthopaedic specialists, are on the road to provide better customer service. In addition to high-quality products, they are also able to listening carefully to the patients using the product.

Bracing Center's activity focuses on the lower limbs, the knee and the foot, as well as expanding to cover general orthopaedics: soles, lumbar supports and foot supports, FAG orthopaedic immobilization splints, JPF knee supports and specially DREAM BRACE which support and improve a drop foot gait.

Bracing Center seeks out new products and licences, constantly in search of innovations to improve the quality of life of each patient.

Market

Orthopaedics firms.
Hospitals and clinics.
Prescribing doctors specialising in: orthopaedics, surgery, neurology, physiotherapy, paediatrics, sports medicine, rehabilitation.

Technology description

Contribution to the development of a new therapeutic technique in the treatment of dangling feet. Elimination of the inevitable constraints of conventional foot supports by means of a dynamic heel brace.

State of the technology

- Development phase
- Available for demonstration
- Already on the market

Intellectual Property Rights (IPR)

- License agreements
- Exclusive rights

Products description

Manufacture, distribution and application of orthopaedic equipment (bandages, walking and mobility aids, physiotherapeutic mobility aids, rehabilitation equipment and devices, wheelchairs) including:

- GII knee supports
- DREAM BRACE foot support
- FAG a large range of orthopaedic immobilization splints

Innovative aspects

Original feature of the brace: dynamic as it moves freely in one direction and is curbed in the other. This results in less effort and tiredness and more safety, avoiding falls for patients with a dangling foot. If the foot does not feel constrained, it may remain in alignment with the movement when the patient walks up or down a slope or stairs.

Research & Development (R&D)

Survey (clinical studies) designed to highlight through experiment the pathologies for which wearing a DREAM BRACE is more beneficial than a conventional foot support.
Pathologies involved: cerebrovascular accidents, peripheral disorders, central disorders, after effects of polio, multiple sclerosis. Conventional clinical observations and cinematic studies (right/left symmetry, walking speed, ...)

Type of partnership sought

- License
- Manufacturing/Subcontracting agreement
- Distribution agreement

Type of partner sought

- Small to medium sized company
- Large company
- University
- Research Institute

CARDIONICS

ELECTROMECHANICAL MEDICAL TECHNOLOGY: ELECTROCARDIOGRAPHY (ECG) - COMMUNICATION AND INFORMATION TECHNOLOGIES: DIAGNOSTIC AND TELEMEDICINE

Corporate description

For over 35 years Cardionics has provided quality, reliable and costeffective solutions in the field of computerized ECG management. Our core business focuses on ECG devices and software. Cardionics is present at every step: from the development to the distribution but also, the training and the after-sales services. Since 2000, Cardionics has broadened its activities in providing software's dedicated to Clinical Trials. From phase I to phase IV, we equip the Contract Research Organizations (CRO's) but also the sponsors with our ECG devices, acquisition and interpretation software's and QT analysis software's.

Market

Our clients:
Army.
Biotech or pharma companies.
Cardiologists in private practice.
Clinical trials (ECG).
Healthcare organization.
Hospitals, nursing homes.
Physicians/doctors.
Sport and occupational medicine.
Distribution:
Direct (own sales force).
Indirect (independent dealer).

Technology description

Portable and PC linked ECG equipments for hospitals, private cardiologists and clinical trials (pharmaceutical companies & CRO's). Specific ECG software's for private cardiologists: acquisition, ECG analysis, interpretation and validation. Specific ECG software's for clinical trials: diagnostic help, QT dispersion analysis, transmission, reception and validation of the ECGs and export under PDF, JPEG, TIF, PDF and XML file. Specific ECG software's for hospitals: Computerised interpretation of the ECG's, validation of the ECG interpretation, export of the ECG's in the medical file, centralisation of the ECG on the hospital server, automatic bil-ling. Cardionics software's are compliant to all regulations (including 21 CFR part 11).

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Exclusive rights

Products description

Development, production, distribution and technical services of electrocardiograms equipments.

The CarTouch is portable ECG device with processor and flash memory, allowing the recording of the ECG's and disposing of several transfer modes.

The CarTouch can read a proximity card containing the patient identification data:

- Memorizes up to 50 ECG's
- High-resolution ECG
- Light and easy to use
- Records 12 leads simultaneously
- Patient identification via card or keyboard
- 121-leads viewed on the LCD screen

The CardioPlug is a numerical ECG recorder allowing 12 leads acquisition. The device is directly plugged to the USB port of the PC. The PC becomes the ECG device.

We tailor Networking solutions for hospitals by providing the acquisition devices and software that fully integrate the existing IT system.

Our software's:

- Identification of the ECG's
- Automatic billing
- Centralisation of the ECG on the hospital server
- Computerised interpretation of the ECG's
- Validation of the ECG interpretation
- Export of the ECG's in the medical file
- Archiving of the ECG's

Type of partnership sought

- Distribution agreement

Type of partner sought

- Large company
- Small to medium sized company

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Fax: **+32 2 426 40 40**

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Website
www.cardionics.eu

Contact person
Jules VANHOEBROUCK

Date of establishment
1969

Number of employees
9

Number of employees in R&D
2

Activities in Brussels
Headquarter
Manufacturer
Research & Development (R&D)

Activities in other countries
Supplier/Distributor

CARDIONICS
E.C.G. COMPUTER SYSTEMS

CHEMICAL PRODUCTS R. BORGHGRAEF

HOSPITAL HARDWARE: LABORATORY EQUIPMENT - STERILIZATION AND DISINFECTION EQUIPMENT - CLEANING AND DISINFECTING AGENTS, HANDS DISINFECTION

Rue Bollinckx, 271/273
B - 1190 Brussels (Belgium)

Phone: **+32 2 332 15 66**
Fax: **+32 2 332 08 05**

E-mail
rbs@rbs-cp.be

Website
www.rbs-cp.be

Contact person
Serge BORGHGRAEF

Date of establishment
1960

Number of employees
20

Activities in Brussels
Headquarter
Manufacturer
Research & Development (R&D)

Corporate description

Chemical Products R. Borghgraef s.a. was set up in the early 1960s. The company is specialized in the production of cleaning agents and disinfectants for professional use (hospitals, laboratories, industry).

Thanks to the company's experience, capacity for innovation and knowledge of the market, Chemical Products constantly works to develop and improve cleaning agents and decontaminants with a view to meeting the needs of users in medical and hospital environments.

The quality of RBS products is assured by systematic quality control procedures at each stage, from the receipt of raw materials to the packaging of the end products.

Chemical Products has ISO 9001:2000 and ISO 13485:2003 certification. RBS products meet the requirements of European Directive 93/42/EEC Annex V on medical appliances.

Chemical Products distributes directly its products in Belgium. Its subsidiary, Traitements Chimiques de Surfaces s.a.r.l, markets the RBS range in France. In other countries, RBS products are marketed via a network of specialised distributors.

Market

Our clients:
Biotech or pharma companies.
Healthcare organization.
Homecare.
Hospitals, nursing homes.
Distribution:
Direct (own sales force).
Indirect (independent dealer).

Technology description

RBS cleaning and disinfecting agents are used in hospitals, clinics, dentisteries, ... to clean and decontaminate surgical and dental instruments.
In laboratories (analyses, control, R&D, teaching hospitals, ...) RBS products are used to clean glassware and laboratory equipment made of plastic, stainless steel, ...
RBS products are also used in the pharmaceutic, cosmetic and biotechnology industries to clean production equipment.
Chemical Products is also marketing a new products range for hand hygiene including RBS HDS GEL, an hydro-alcoholic gel for hand disinfection (bactericidal, fungicidal and active against Influenza A H1N1).

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Exclusive rights

Services description

Cleaning and disinfection products for medical instruments and equipment.

Procedures: Products available for manual treatment or treatment by soaking, in ultrasound baths, in washing cabins and in automatic washing machines.

Products description

Cleaning and disinfecting agents for surgical instruments and medical equipment. complete range for various cleaning processes: manual cleaning, immersion, ultrasonic cleaning, washers disinfectors, ...

Innovative aspects

RBS range includes alkaline, neutral and acidic detergents designed to offer quality, efficiency and performance at low working concentrations. RBS products have been developed taking into account the environmental dimension and the most recent regulations on the matter, thanks notably to the use of biodegradable surfactants.

Type of partnership sought

- Distribution agreement

Type of partner sought

- Large company
- Small to medium sized company

CMD (CENTRALE MEDICO DENTAIRE)

DENTAL TECHNOLOGY : ALLOYS, DENTISTRY TOOLS

Corporate description

Company producing mainly dental alloys intended for export throughout the world. Other products are currently being examined.

CMD is also linked with other companies:

PRO dental, Pierre Ravets Organisation, (www.prodental.be)**:** established in 1972, active in the field of manufacture, creation and R&D of new dental alloys. Main products: Vio Ceram Ni, Vio Ceram Cr, Vio Chrome 35, ...

MAIL-DENT, dentaldiffusion, (www.online-dental.net)**:** established in 2001, active in e-business.
The Website allows:

- to consult the offers and innovations of various suppliers on only one site
- to obtain informations on dental manufacturers and importers

Inter Medic-All (www.ima.be)**:** established in 1987, active in the field of manufacture of dental alloys for export.

Dentex International (www.dentex.be)**:** established in 1976, co-operative company organizing, in Belgium and abroad, fairs and seminars to inform on the medico-dental sector.

Promodent: established 1984, specialized in oral rehabilitation with dental implants and accessories.

Market

Dental medical equipments and products.
Dental alloys.
Our clients:
Hospitals, nursing homes.
Healthcare organization.
Army.
Dentist, dental lab's, university, clinic.
Distribution:
Direct (own sales force).
Indirect (independent dealer).

State of the technology

- Available for demonstration

Intellectual Property Rights (IPR)

- Patent(s) application pending
- Exclusive rights
- Partnership/Other contractual agreement

Type of partnership sought

- Further research/development support
- Transfer of know-how
- Manufacturing/Subcontracting agreement

Type of partner sought

- Small to medium sized company
- Large company
- Research institute

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Fax: **+32 2 340 17 10**

E-mail
info@cmddental.be

Website
www.cmddental.be

Contact person
Pierre RAVETS

Date of establishment
1976

Number of employees
10

Number of employees in R&D
1

Turnover
1.800.000

Activities in Brussels
Service company
Supplier/Distributor
Parent company
Production
Distribution/Sales
Research & Development

Activities in other countries
Manufacturer
Service company
Supplier/Distributor

DATA INNOVATIONS EUROPE - PGP

HOSPITAL HARDWARE: LABORATORY EQUIPMENT IN-VITRO DIAGNOSTIC TECHNOLOGY: LABORATORY MIDDLEWARE COMMUNICATION AND INFORMATION TECHNOLOGIES: COMPUTER SOFTWARE, DATA BASES, LABORATORY MIDDLEWARE - SERVICES: CONSULTING

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Fax: +32 2 775 91 96

E-mail
europe-sales@datainnovations.com

Website
www.datainnovations.com

Contact person
Robert J. ROTHSTEIN

Date of establishment
1982

Number of employees
17

Number of employees in R&D
6

Turnover
4.500.000 Euros (Europe)

Activities in Brussels
Manufacturer
Research & Development (R&D)
Service Company
Subsidiary
Supplier/Distributor

Activities in other countries
Headquarter
Manufacturer
Research & Development (R&D)
Service company
Subsidiary
Supplier/Distributor

Corporate description

Founded in 1989, Data Innovations (DI) has grown to US$21 million in annual sales and over 85 specialists, becoming the world's largest, most successful clinical and blood laboratory middleware company. With offices in the United States, Belgium, Brazil, China, France, and the United Kingdom, DI is the only middleware company with a true global scope. Through our over 40 industry business partnerships and directly with laboratory end users, we have installed over 6.500 middleware systems in 63 countries. Born in Belgium in 1982, P.G.P. accumulated experience of more than 25 years in production management of the laboratory. The company has expanded over the years to establish offices in France and the United Kingdom.
In July 2007, Data Innovations Europe acquired all the shares of P.G.P.
Instrument Manager (IM) and Laboratory Production Manager (LPM) represent the most complete offerings in the market for pre-analytical, analytical and post-analytical sample processing and non analytical tasks such as equipment maintenance.
Our vision:
To positively impact patient care by applying the discipline of customer intimacy in partnerships that increase efficiencies and improve workflow through delivery of the world's best total middleware solutions to the clinical laboratory.

Market

Our offices:
Europe Brussels, Paris, Birmingham.
North America : South Burlington-VT.
South America : Sao Paulo.
Asia : Hong-Kong.
Our clients:
Biotech or pharma companies, Healthcare organization, Hospitals, nursing homes, Medtech companies.
Distribution:
Direct (own sales force).
Indirect (independent dealer).

Technology description

Based on a large experience of the interfa-cing medical devices and providing management software, Data Innovations proposes to manufacturers of analytical instruments to provide dedicated workstations with all functionalities to manage the work around the analysers, handle and validate results.

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Exclusive rights
- License agreements reached
- Partnership/Other contractual agreement

Services description

Installation: The Data Innovations autho rized installer will provide hands-on assistance and step-by-step explanation of the concepts necessary to establish instrument and LIS connectivity to Instrument Manager or Laboratory Production Manager.
Training: Data Innovations' instructor-led courses are taught by laboratory professio-nals who draw upon real-world experience to provide relevant course content. The practical, hands-on instruction lets users apply new skills and knowledge as soon as they return to their job.

Products description

Laboratory production Manager (LPM-V5) and Instrument Manager (IM) enable the laboratory to carefully examine the results before transferring them to the biologist and afterwards to the recipient, in complete security and confidence. Going beyond simple connectivity, LPM V5 and IM also handles sample routers and robotic sample transport systems. Existing LPM and IM users do not have to re-learn a whole new software product if they move to a robotic sample transport system and can keep using their existing interface and rule base.

Innovative aspects

Based on a solid foundation including most of required functionalities (90 to 95%). Embedding modules developed by the manufacturer embedded as exclusive library (e.g. expert System, maintenance,...). Reducing time to the market delay (3 months). Limiting the investment in development of software to just a few days custom design (30 to 60 days). Reducing the level of risk of software development. Including all the experience acquired during 20 years. Allo- wing manufacturer to concentrate on very specific topics requiring experience and expertise.

Type of partnership sought

- Distribution agreement
- Joint venture agreement
- License agreements
- Manufacturing/Subcontracting agreement

Type of partner sought

- Small to medium sized company
- Large company

DDD (DIGITAL DENTAL DESIGN)

DENTAL TECHNOLOGY: DENTAL PROSTHESES, DENTAL COSMETICS, CROWNS, BRIDGES

Corporate description

The first Dental Design laboratory was established in 1991 by Pierre Chelala, offering aesthetic dental ceramic prostheses to local clientele of dentists.

In 2002 opened the second laboratory in Paris offering same range of products.
Today most of the labor work in a standard dental laboratory is made in an artisanal way, from pouring the model of plaster in the dentist impression mold, to waxing, investing and casting the metal of the framework before cosmetic layering.

With the arrival of new material for the framework (cosmetic's support) such as zirconium oxide, for aesthetic and biocompatibility reason, a switch occurred towards a new method based on CAD CAM technology. This method represents only around 10 to 15% of the market.

Noticing an increasing demand on for this technology, and needs of reduction in costs, improvements in precision and quality allowing the dental lab to offer competitive prices to his dentists clients, has driven us to develop a unique new project based on digital and high technological innovations that respond on those needs. The distribution system is ensured through developing a network of dental laboratories within Europe.
The DDD marketing and communication system is customized for each dental lab of the network in his region to develop his business and promote his activity on all DDD promotional tools and DDD website.
In the concept also training and technical support are offered to all members in order to maintain their know-how and skills on high level.

Market

Dental Laboratories, Dentists, Stomatologists, Dental Clinics, Hospitals, ...

Technology description

Our new concept is based on increasing the productivity and the profitability of each lab member, reducing his costs on materials and labor by eliminating few steps of the ordinary process but certainly with increasing the quality of the product and reducing the remake stage.

The network members would beneficiate by no investment in a dental scanner. The digital scanning process will be executed by CAD (computer aided design) in the DDD technology center. The lab network will receive within 48 hours a precise framework in metal or zirconium, so they can finish layering the cosmetic. (type of supports including Co-Cr metal, titanium and new organic materials such as alumina and zirconium oxide machined on CAM systems).
We have extensive experience and expertise in a variety of fields including implantology, dental cosmetics, crowns and bridges.

State of the technology

- Choice of equipments: Ready phase
- Fine tuning, adjustments and development
- Organizing the set-up for technologies and machining centre
- Dental supports in zircon & metal, based on CAD/CAM technology

Intellectual Property Rights (IPR)

In process.

Products description

Dental prostheses/Dental aesthetics.

Type of partnership sought

- Transfer of know-how
- Manufacturing/Subcontracting agreement
- Financial resources

Type of partner sought

- Small to medium sized company
- Large company

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ddu@kynet.be

Website
www.dentaldesign.eu

Contact person
Pierre CHELALA

Date of establishment
1998

Activities in Brussels
Headquarter
Production
Research & Development (R&D)

Activities in other countries
Subsidiary and laboratory in Paris (France), Marbella (Spain)

DDD®
DIGITAL DENTAL DESIGN
1st european dental labs network

DUMONT INSTRUMENTS

DENTAL TECHNOLOGY: DENTISTRY TOOLS

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Phone: **+32 2 343 65 30**
Fax: **+32 2 346 28 72**

E-mail
info@dumont-instruments.com

Website
www.dumont-instruments.com

Contact person
Charles d'Udekem

Date of establishment
1978

Number of employees
18

Number of employees in R&D
2

Turnover
3.000.000 Euros

Activities in Brussels
Headquarter
Manufacturer
Research & Development (R&D)
Supplier/Distributor

Activities in other countries
Supplier/Distributor

Corporate description

Manufacture
Over twenty years' experience in the manufacture of diamond-tipped rotary precision instruments: rotary instruments coated or impregnated with diamonds (galvanic deposit or sintering). Cutters and disks for grinding, cutting and polishing. Diamond-tipped polishing pastes. Main applications in dental surgeries, among dental technicians, for glass, crystal, jewellery and craft work. We also produce galvanic deposit disks and wheels, as well as sintered grinding tools for industrial applications (stone, ceramics, ...).

Distribution
DUMONT also distributes a complete range of small cutting and polishing tools, carbide cutters and innovative abrasives with carbide tips, mounted abrasive stones and diamond-tipped polishing machines.

Certification
We have had ISP certification since 1998. We current hold ISO 9001/2000 and EC certification for our instruments intended for medical use.

Commercial policy and agents
Our distribution channels focus on the end user. Our approach depends chiefly on sales through local agents who visit users. Our priorities: value for money, short lead times, flexibility, service and personal contact ensuring a direct link with the market and its development. We are seeking agents for all parts of the world that are not already covered by our current network. All requests are welcome.

Market

Dentists and dental laboratories (denture laboratories).
Industrial applications.
Our clients:
Consumer (mass market).
Hospitals, nursing homes.
Distribution:
Direct (own sales force).
Indirect (independent dealer).

Technology description

- Electroplated or sintered diamond burs & discs
- Tungsten carbide
- Polishers
- Abrasive instruments

State of the technology

- Already on the market

Products description

Diamond-tipped and tungsten carbide rotary instruments for the dental, glass, stone and mechanics sectors.

Innovative aspects

The only Belgian manufacturer of diamond and carbide precision rotary instruments.

Research & Development (R&D)

Burs design development.

Type of partnership sought

- Distribution agreement

Type of partner sought

- Agent and distributors

EPISEARCH

COMMUNICATION AND INFORMATION TECHNOLOGIES - ELECTROMECHANICAL MEDICAL TECHNOLOGY – DIAGNOSTIC AND THERAPEUTIC RADIATION TECHNOLOGY: ANATOMOPATHOLOGY, MEDICAL IMAGERY, TELEPATHOLOGY, TELEMAMMOGRAPHY

Corporate description

EPIsearch asbl was created in January 2000 by a group of doctors and researchers of Brussels-Capital Region. EPIsearch A.S.B.L. is an association which has as principal objective to promote research and development projects in the field of the public health by applying innovating technologies in particular in the spheres of activities related on the medical imagery and epidemiology.
The strategy of EPIsearch is systematically to make call in its activities to specialized university networks (Committee of scientific follow-up), by integrating personalities recognized at the international level.
Very quickly, EPIsearch A.S.B.L. was seen entrusting significant missions in the field of the public health such as for example: epidemiologic investigations in the cardiovascular field, in the field of environmental health, the tracking and treatment of the cancer of centre and the development of tools for tissue characterization based on the ultrasonic imagery in the field of cancer (ovaries, prostate, thyroid, ...).
After the development of the concept of Telemammography within the framework of the tracing routine of the cancer of centre in Area of Brussels, EPIsearch ensures the deployment of the last centers of first reading as well as a study on the installation of the concept of virtual hospital based on telemedicine.

Market

The solutions suggested by EPIsearch as regards archives, quality control of anatomopathologic guard and its potential of development in telemedicine ensure an access to quality care with controlled costs. The objective of this research project is to lead to the creation of a European centre of digital anatomopathology. This center will make it possible to bind the anatomopathology to the other elements of the file of the same patient imagery, medical information, clinical biology). The services will be marketed at the European and international level. At the end of the research and development project, five pilot sites will be operational in four countries (Belgium/Brussels, Luxemburg, Switzerland and France).

Technology description

The solution suggested is articulated round two concepts: the platform of management of medical contents (Medical Content Management) (integration DICOM–Pacs- + HL7–Laugh + XDS) the digitizer of anatomopathology DICOM High Definition; diagnosis quality, streaming technology, DICOM integration + LAUGH.

State of the technology

- Development phase
- Available for demonstration

Intellectual Property Rights (IPR)

- Exclusive rights

Innovative aspects

Telepathology: consultation of images of anatomo-pathology and other methods of medical imagery to goal diagnoses Teleconsultation of difficult cases for opinion and expertise with a diagnostic aim. Joint transmission of the imagery ana.-path. and medical. Use intended for the anatomopathologists Transmission and consultation of radiological images accompanying a request by analysis ana.-path for diagnostic goal to ensure a better reproducibility diagnoses into anatomy-pathological.

eLearning: consultation of a bank of multidisciplinary data in senology.

European and Belgian external Quality Program Insurance – Pathology.

Type of partnership sought

- Further research/development support
- Transfer of know-how
- Financial resources

Type of partner sought

- Large company
- University
- Research Institute

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agrive@bordet.be

Website
www.episearch.be

Contact person
André-Robert GRIVEGNEE

Date of establishment
2000

Activities in Brussels
Research & Development (R&D)

Activities in other countries
In project, development of en European industry branch: European centre for medical imagery and digital anatomopathology

ETG (EUROPEAN TELEMATIC GROUP)

COMMUNCATION AND INFORMATION TECHNOLOGIES: COMPUTER SOFTWARE - DIAGNOSTIC AND TELEMEDICINE - ON-LINE SERVICES (PREVENTION TOOLS, EHEALTH PLATFORM)

Rue des Pères Blancs, 4
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Phone: +32 737 67 04
Fax: +32 2 737 67 05

E-mail
yweisman@etg.be

Website
www.etg.be

Contact person
Yvan WEISMAN

Date of establishment
1991

Number of employees
10

Turnover
980.000 Euros

Activities in Brussels
Production
Distribution
Research & Development (R&D)

Activities in other countries
USA - Development & licenses for services

Type of partnership sought
Further Research/Development support
License agreements
Joint venture agreement
Distribution agreement

Type of partner sought
Small to medium sized company
Large company
University
Research institute

Corporate description

Vitalog PSS™ eHealthcare solutions for Mobile Life Style and Well-being Primary and Secondary Prevention tools for Medical and Non Medical assisted programs. Vitalog PSS™ is a mHealth and eHealth platform dedicated to the healthcare, communication, insurance and food industries that provides a set of convergence tools and services for managing behavior modification programs. Vitalog PSS™ is based on a unique technology that enables entreprises and professional health service providers to practice their own methodology but provides 24/7 personal proactive support for their patients/consumers using their mobile phones and internet.
The process is composed from the following steps:
1. Personal data collection
2. Personal goal settings
3. Setting intervention – nutrition and behavior modification
4. Setting the support level
5. Maintenance – monitoring and supporting

Vitalog PSS™ also collects data from the patient and automatically adjusts the inter vention and behavioral messages base with the new data. All participants in the process - professionals, consumers and management - can monitor the data.

Market

Primary Prevention tools for healthcare industry and professional market.

Technology description

The system consists of 4 major elements:
- Backend server processing
- Management tool / EMR
- Patient or Users channels
- Web and Mobile User interfaces and applications

The data is being encrypted for security reasons that meet standards such as HIPPA.
On the clinic end, the system provides state-of-the art EMR application with a unique approach to behavior modification intervention, the system uses strong authentication mechanism, and it uses interfaces for smart card or other token based authentication.

PSS™ Mobile Agent
After enrolling, most of the daily interaction with the consumers is done using mobile phone. Vitalog has developed a unique technology named Remote Mobile Wakeup – RMW™. This technology allows us to remotely connect the user's handset and perform actions such as: show text and image, stream music (in the future stream video).

PSS Web application
Whenever available, in the office or at home, there is always our state of the art web application, that allows your patients/consumer to do almost everything, from changing meals or food items, to report her/his weight (can also be done with the mobile agent), to reschedule meal times and fitness time.
Vitalog web site is a Web 2.0 application, using support groups, AJAX technology and rich user experience.

State of the technology

- Available for demonstration
- Already on the market

Intellectual Property Rights (IPR)

- License agreements reached
- Exclusive rights
- Partnership/Other contractual agreement

Services description

Provide service to the healthcare industry using license business model.

Innovative aspects

Vitalog PSS is proposing to develop a customized interactive program for behavioral intervention that will target childhood obesity:
- Providing game related client for mobile phone
- Based on the strong current Vitalog PSS
- Using existing modules
- Learning the special needs of different age groups
- Including existing experience and know how
- Building a solution that enable to target the mass with existing man power
- Open environment that allows device and medical accessories to interface with the system

Research & Development (R&D)

Develop an interactive solution for fighting childhood obesity through personalized mobile and web game that is being monitored by professional healthcare personal and the parent.

EUROMEDIM

COMMUNICATION AND INFORMATION TECHNOLOGIES - ELECTROMECHANICAL MEDICAL TECHNOLOGY – DIAGNOSTIC AND THERAPEUTIC RADIATION TECHNOLOGY: TELEMAMMOGRAPHY, TELEANATOMOPATHOLOGY, TELECARDIOLOGY, TELERADIOLOGY

Corporate description

Euromedim is a European company based in Brussels active in the eHealth sector. We provide a vast portfolio of services in Tele-Medicine and medical Imaging. Our mission is to rationalize expenses and maximize quality increasing benefits for the patients, for the private and the public health providers.

Our team has acquired a large experience in European project since 2001, and recently with Africa.

Euromedim has developed a secured platform to enable eHealth as Tele-Diagnostic and collaboration with existent network infrastructure. That platform enables many applications like Tele-Mammography, Tele-Anatomopathology, Tele-Cardiology, Tele-Radiology, ...

Euromedim is involved in diverse European R&D programs, implementation of infrastructures using Digital Radiology Modalities and Computer Assisted Detection, Softcopy workstation for mammography, Medical Documents sharing system oriented to generalist physicians and more.

Euromedim provides Q/C for digital modalities according current national policies and our radiophysicists are part of a European Network of experts.

Euromedim's strong partnership with academicals centers of excellence, governmental institutions, and major industrial actors and customers assure the highest levels of quality.

Market

Tele-Medicine – Kisano Platform and Tele-Services (CAD, Archiving, Softcopy Workstations, ...), consultancy and Q/C for digital imaging devices.

Technology description

- Research & Development (R&D)
- Medical Imaging

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Exclusive rights

Products description

- Kisano Tele Medicine platform and infrastructures
- Q/C Digital Imaging Modalities
- Versatile knowledge-based clinical imaging annotation system for breast cancer screening
- Annotation and E-learning platform / Tool
- Unsupervised CAD methods 2nd generation – Hybrid CAD method

Innovative aspects

Technology based on OpenSource, with DICOM and HL7 integration.

Type of partnership sought

- Distribution agreement

Type of partner sought

- Large company

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Website
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Contact person
Serge ROVENNE

Date of establishment
2005

Activities in Brussels
Headquarter
Research & Development (R&D)

Activities in other countires
Commercial Activities in France, Luxemburg, Switzerland, Finland, Syria and Morocco. Africa and Middle East through Morocco

FLOMEDI

ELECTROMECHANICAL MEDICAL TECHNOLOGY: BLOOD FLOW MEASUREMENT EQUIPMENT - CARDIOVASCULAR RISK ASSESSMENT EQUIPMENT

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szczesny@flomedi.com

Website
www.flomedi.com

Contact persons
Gregory SZCZESNY

Date of establishment
2007

Activities in Brussels
Headquarter
Manufacturer
Research &Developement (R&D)

Corporate description

FLOMEDI (Spin-Off from 01/01/2007) is a company active in research and development, manufacturing and commercialisation of cardiovascular diagnostic devices and softwares.
FLOMEDI designs, develops and produces software and electronic medical devices in order to facilitate, simplify, and increase accuracy of diagnoses.
Currently, FLOMEDI focuses its research and developments in non-invasive cardiovascular diagnostic aid, and more specifically in the assessment of the endothelial function.

Market

Europe.
Our clients:
Hospitals, nursing homes.
Medtech companies.
Physicians/Doctors.
Distribution:
Indirect (independent dealer).

Technology description

Endothelial dysfunction is recognized as an early and modulating process in the pathophysiology of cardiovascular diseases. Endothelial function is often quantified by flow-mediated dilation (FMD), which represents the endothelium-dependent relaxation of artery,typically the brachial artery, due to an increased blood flow in response to shear stress. FMD is impaired in patients with cardiovascular disease risks. Brachial artery reactivity is a frequently used non-invasive ultrasonographic assessment of FMD. This measure is a marker for increased cardiovascular risk, and correlates with impaired endothelium-dependent relaxation in the coronary arteries.
However, complementary computerized image analysis techniques are still very desirable to give accuracy and objectivity to the measurements. So FLOMEDI offers a system "FMD-i" for the automatic measurement of flow-mediated dilation (FMD), intima-media thickness (IMT) and diameter of artery (wall tracking).
In addtion, FLOMEDI offers a new system "CardioVaRisk" to evaluate the endothelial function by non-invasive methode. The principal innovative aspects of CardioVaRisk, is in the evaluation of endothelial function with photo-plethysmography signal.

State of the technology

- Already on the market
- Available for demonstration

Intellectual Property Rights (IPR)

- Exclusive rights
- Patents applied - not granted

Products description

FMD-i is a software linked to an ultrasound systems to identify the endothelial function through FMD. CardioVaRisk is medical device evaluating the endothelial function through the photo-plethysmography.

Innovative aspects

FMD-i functionalities:

- Automatic detection of artery walls
- Continue monitoring of artery movements (Wall Tracking)
- Aid to non invasive diagnosis of endothelial function (FMD)
- Measure of Intima-Media Thickness (IMT)
- Adapted for all ultrasound systems (old and new)
- Results analysis and Reporting (Excel and Word)
- DICOM imaging analysis

Main advantages: Automatic detection of the artery's walls; Real-Time wall tracking processing.

CardioVaRisk functionalities:

- Photo-Plethysmography signal acquisition
- Heart Rate Variability analysis (HRV)
- Automatic cuff inflation for the occlusion
- Results analysis and Reporting (Excel/ Word)

Main advantages: Non invasive diagnosis of cardiovascular diseases with an endothelial function assessment, non user dependent, no need to invest in an ultrasound device, very easy to use.

Type of partnership sought

- Distribution agreement
- Further research/development support
- Joint venture agreement
- License agreements
- Manufacturing/Subcontracting agreement
- Transfer of know-how

Commercial and Business Development partnership with companies having knowledge, competencies and access to the medical and healthcare markets in Europe in order to sign agreements mainly for product distribution and/or research.

Type of partner sought

- Small to medium sized company
- Large company
- Research Institute
- University

FONDA-MENTAL

WELLNESS: RELAXATION MUSIC

Corporate description

The founders of Fonda-Mental® S.A. have been working in the field of research and manufacture of relaxation software and hardware since 1985.

The company designs and produces the Biosphere music, an internationally known label of music for wellness (zen, jazzy, lounge, ethnic atmospheres and nature sounds) sold in retail shops on interactive displays.

Fonda-Mental also distributes an innovative sound system for shops, waiting rooms, wellness centers, spas, decoration or natural products shops...

The premises of Fonda-Mental ® S.A. (company with capital of € 130,000) are located in Brussels (Belgium) at the heart of Europe.

Market

Our clients:
Hospitals, nursing homes.
Biotech or pharma companies.
Healthcare organization.
Distribution:
Direct (own sales force).

Technology description

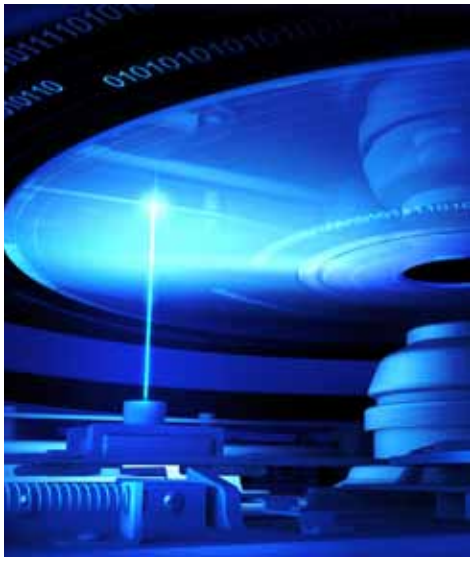
The technology developed induces a state of deep relaxation and a general sense of well-being.

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Registered trademark, registered models (interactive displays, musical gift cards)
- Music available on license



Services description

Music for wellness and nature sounds (CD's).
New sound system for public spaces.

Research & Development (R&D)

Interactive displays for shops.
New sound system for public spaces (24 hours zen music royalty free).

Type of partnership sought

- License agreements
- Distribution agreement
- Representation

Type of partner sought

- Small to medium sized company
- Large company

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Website
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Contact person
Pascale VAN WEERT

Date of establishment
1990

Activities in Brussels
Manufacturer
Parent company
Production
Distribution/Sales
Research & Development (R&D)

Fonda-Mental S.A.
Technologies anti-stress

FSE INTERNATIONAL

HOSPITAL HARDWARE: LABORATORY EQUIPMENT, MEDICAL FURNITURE AND EQUIPMENT, RESCUE AND EMERGENCY EQUIPMENT

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B - 1000 Brussels (Belgium)

Phone: +32 2 219 11 03
Fax: +32 2 219 32 15

E-mail
hmarquis@fse-export.com

Website
www.fse-export.com

Contact person
Herve MARQUIS

Date of establishment
2006

Number of employees
12

Activities in Brussels
Headquarter

Activities in other countries
Distribution, technical services in Africa and Central Asia

Corporate description

FSE is a young, dynamic, and flexible partner for development projects. FSE's aim is to work in close co-operation with public authorities, the private sector, and major international financial institutions to prepare, monitor and execute projects which can improve conditions of living and the economic development in all emerging nations.
Over the years, the team at FSE has developed a thorough experience of international trade, logistics, project management, and financing in international competitive bidding, national tenders, privately funded projects, and bi- or multilateral loans and grants.
In many countries throughout Europe, Africa, and Asia, FSE has earned a reputation as a service company capable of respecting its commitments in terms of price, quality, deadlines and pre- or aftersales support.

Market

HEALTH

- Medical Laboratories
- Medical And Hospital Equipment
- Turn-key Medical Clinics
- Mobile Medical Centres
- Epidemic control

EDUCATION AND RESEARCH

- Teaching Materials For Higher Education
- Equipment for Technical Education Centres
- Basic And Applied Research Laboratories

ANIMAL HEALTH

- Veterinary Research Laboratories
- Veterinary Disease Control Laboratories
- Campaigns Against Animal Diseases
- Artificial Insemination Centers

Technology description

FSE supplies both basic technologies (e.g. for primary health care), as state-of-the-art technology for advanced research centres, universities, centres of excellence, ...

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Partnership/Other contractual agreement
- Exclusive rights

Services description

(Turnkey) Project Management.
Supply and Installation of Hospital Equipment.
Supply and Installation of Medical Equipment.
Supply of Laboratory Equipment and Services.
Supply of Scientific Equipment and Services.

Innovative aspects

The projects managed by FSE cover a wide range of economic and social sectors. These sectors reflect FSE's commitment to a balanced and sustainable development in all its markets.

Past and present projects include the following sectors:

- Human health (non-pharma)
- Agriculture and livestock development
- Scientific education & training

Type of partnership sought

- Distribution agreement
- Joint venture agreement

Type of partner sought

- Small to medium sized company

IDEAS

(INFORMATION DEVELOPMENTS FOR EDUCATIONAL APPLICATIONS AND SYSTEMS)

TECHNICAL AIDS FOR DISABLED - ORTHOPAEDIC TECHNOLOGIES (INSOLES, ORTHOTICS, SHOE, LASTS, CAD-CAM)

Corporate description

IDEAS sa specializes in producing measurement and CAD CAM systems for the production of made to measure insoles, orthotics and shoe lasts. It has customers in over 25 countries across the world to which it exports its products which have been 100% designed and assembled in Belgium using a maximum of Belgian products and suppliers.

The company was created in 1989 to take over a university research project based on the medical applications of CAD CAM (computer aided manufacture, computer aided design). The owner manager, Dr Stéphane Huberty, won the Brussels Young Entrepreneur of the Year Award in 1993 for his project of using CAD CAM to make made to measure shoes for "Mr and Mrs Everybody".

Today, IDEAS sells its products to podiatrists, O&P Labs, orthopedists and shoemakers who wish to use the highest quality measurement and CAD CAM technology to produce precise made to measure insoles, Orthotics and shoe lasts.

Market

Manufacturers of insoles (chiropodists, bandage makers, orthopaedic specialists, orthopaedic technicians) and shoe lasts (last makers, orthopaedic or other shoes, luxury, mass produced, ...).

CAD/CAM + measurement devices for the production of made-to-measure insoles and shoe last.

Technology description

Devices for measuring the human body (especially the foot).
2D and 3D CAO software programs to design orthopaedic lasts and soles in 3D.
Digitally controlled machine tools for the CAM of shoe lasts and orthopaedic insoles.

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Patent granted

Products description

Measurement and computer-aided design and production systems to produce insoles and shoe lasts.

Type of partnership sought

- Distribution agreement

Type of partner sought

- Small to medium sized company
- Large company

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E-mail
info@ideas.be

Website
www.ideas.be

Contact person
Stéphane HUBERTY

Date of establishment
1989

Activities in Brussels
Parent company

IMAGILYS

COMMUNICATION AND INFORMATION TECHNOLOGIES - DIAGNOSTIC AND THERAPEUTIC RADIATION TECHNOLOGY: SOFTWARE, HARDWARE AND SERVICES FOR MAGNETIC RESONANCE IMAGING (MRI) OF THE BRAIN

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B - 1150 Brussels (Belgium)

Phone: **+32 477 87 12 24**
Fax: **+32 2 731 49 48**

E-mail
hermoye@imagilys.com

Website
www.imagilys.com

Contact person
Laurent HERMOYE

Date of establishment
2005

Activities in Brussels
Headquarter
Production
Research & Development (R&D)

Activities in other countries
Distribution in Europe, Middle East and Asia

Corporate description

Imagilys is a SME based in Brussels. It was created in July 2005 by Dr. Laurent Hermoye. It offers services, software, and hardware in the field of advanced magnetic resonance imaging (MRI) of the brain.

Its main mission is to provide complete and user-friendly systems, readily useable in clinical routine.

Its second mission is to perform applied research to develop future clinical techniques. This second mission is fostered by national and international collaborations with research institutes.

Its potential clients are public or private hospitals willing to provide their patients with state-of-theart medical care. Radiology and neurosurgery departments are its main interlocutors. Although its techniques can be used worldwide, Imagilys focuses mainly on Europe, the Middle East and Asia.

Its expertise covers:

- Functional MRI (fMRI) which can detect the functional brain areas involved in various tasks (motor, hearing, language) and therefore protect them during neurosurgical interventions
- Diffusion tensor imaging (DTI) which can generate cartographies of the brain's white matter tracts, to characterize neurological diseases or plan neurosurgical interventions
- Perfusion imaging (PWI) which can identify perfusion abnormalities in stroke and tumors
- Neurosurgical navigation, which can help the neurosurgeons to navigate to the brain lesions, while protecting important areas
- Deep brain stimulation (DBS) that uses electrical stimulation of deep brain nuclei to attenuate the symptoms of motor and psychiatric disorders

Market

Clinical neuroradiology.
Neurosurgical planning.

State of the technology

- Development phase
- Already on the market

Services description

- Functional magnetic resonance imaging (fMRI): paradigms, stimulation systems, MR sequences optimization, user-friendly analysis software, test of the whole system in clinical practice, teaching
- Diffusion tensor imaging: MR sequences optimization, analysis software, test in clinical practice, teaching
- Perfusion imaging (PWI): MR sequence optimization, analysis software, test in clinical practice, teaching
- Neurosurgical navigation: pre- and intraoperative imaging, integration of advanced techniques, technical and medical assistance for the use of the navigation system

Innovative aspects

- State-of-the-art MR imaging of the brain
- Complete and user-friendly systems, readily useable in clinical routine
- Research and development of future applications

Type of partnership sought

- Further research/development support

Type of partner sought

- Small to medium sized company

INPUT FOR YOU

COMMUNICATION AND INFORMATION TECHNOLOGIES: DATA BASES, ELECTRONIC PATIENT RECORD (EPR) , DOCUMENT MANAGEMENT, DIGITALIZATION AND INDEXATION OF DOCUMENTS - SERVICES: CONSULTING

Corporate description

Established in 2006, INPUT FOR YOU has developed a unique expertise in the field of document digitalization. We are specialized in handling massive quantities of heterogeneous medical documents. Using our proprietary methodology we provide high quality indexation.

Our mission: make digital documents user friendly thanks to effective indexation.

Market

- Mass scanning of active and archived files including patient folders, administrative documents or daily correspondence
- Indexation and classification of produced images
- Delivery in any electronic format and on any commercial support
- We can also advise on best practices and assist in designing and planning dematerialization projects

Our clients:
Hospitals, nursing homes.
Biotech or pharma companies.
Medtech companies.
Physicians/Doctors.
Healthcare organization.
Distribution:
Direct (own sales force).

State of the technology

- Already on the market

Services description

Mass scanning and indexation of medical files and other heterogeneous documents.

Innovative aspects

With our capability to scan and index more than 300.000 pages per day, we can eliminate hospital archives in a very short time and free valuable space for higher value usages.

We are certified both ISO 9001:2008 Quality Management and ISO 27001 Data Security and offer therefore best quality and highest security to our customers.

Scanning can be done either on site or in own premises.

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Contact person
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Date of establishment
2006

Number of employees
19

Turnover
3 Mio Euros

Activities in Brussels
Headquarter
Production
Research & Development (R&D)

Activities in other countries
India & Bulgaria (BPO)

input foryou.
Document Processing Services

IOL STRATEGIC DESIGN

SERVICES: PRODUCT DESIGN AND DEVELOPMENT

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Website
www.iol.be

Contact person
Ariane TYDGADT

Date of establishment
1998

Number of employees
2

Turnover
360.000 Euros

Activities in Brussels
Design office

Corporate description

Founded by Sébastien Boucquey, Myriam Carbonnelle and 3 others partners in 1998, iol Strategic Design has evolved from a design platform to an industrial design consulting agency of 6 people. Since 2008, the owners are François Royen, Michaël Verleyen and Myriam Carbonnelle.

iol Strategic Design is specialized in design and development of new products, mainly technical (e.g. Medical products).
Studies by iol are always requested by professional customers, from self- employed to big companies and cover the full cycle of product development from the first creative phase until final production.
The aim of the agency by developing these studies is not only to formalise an idea, but to increase sales and profit.

Since 98, iol Strategic Design has studied and created many new products in various fields of competences. The team concentrates on developing its know-how across an ever increasing diversity of sectors, and enriching its knowledge at the same time, with its development methodology as a guide line.

Its developed experiences can however be classified according to the following categories: Medical product (Laser applications, intraocular lenses, cosmetic surgery, phototherapy, presso-therapy, pulsated light,...), industrial machines, child welfare, electro, equipment, consumers, interface.

Technology description

iol's designers work in-house using the CAD software Top Solid. Some designers also have the knowledge of Pro Engineer, Catia V6 and Inventor (external consultancy possible).

The agency has also built a diverse and reliable subcontractor network (for additional services in engineering, prototyping, manufacturing, ...).

Services description

Industrial design
Products studied by iol Strategic Design combine functionality, ergonomics, design and aesthetics to meet the technical and economic needs of customers.

Our competences:
- Project management : dedicated methodology and coordination of partners and subcontractors
- Product design : product design & development from first concept to final production
- Prototyping: validation and testing of new development
- Manufacture: directing customers towards the most appropriate production techniques and material

Innovative aspects

iol is characterized by its thorough analysis of needs, creation of original concepts and its internal capability to put new projects into production while guaranteeing technical feasibility.
iol's strengths :
- identification of needs and constraints
- new concept creation
- ergonomic understanding
- shape research
- mechanical creativity
- technical orientation
- constant dialogue with subcontractors
- understanding and respecting standards
- collaboration with customer's R&D
- project management
- large subcontractors network
- small or large production volumes
- production setup and qualification

Research & Development (R&D)

- Medical product : Laser applications, intraocular lenses, cosmetic surgery, phototherapy, presso-therapy, pulsated light
- Industrial machines
- Child welfare
- Electro
- Equipment
- Consumers
- Interface

iol
Strategic Design

MEDICAL DEVICE WORKS

NON-ACTIVE IMPLANTABLE - SINGLE USE - DIAGNOSTIC AND THERAPEUTIC RADIATION TECHNOLOGIES: INTERVENTIONAL RADIOLOGY CATHETERS, PERIPHERAL STENTS, INTERVENTIONAL ONCOLOGY, MINIMAL INVASIVE SURGERY DEVICES, BALLOON CATHETERS, DRUG ADMINISTRATION DEVICES, STENT GRAFTS, SINGLE-USE MEDICAL PRODUCTS, NON-ACTIVE, SINGLE-USE SHORT TERM IMPLATABLE DEVICES, PERCUTANEOUS LIVER ISOLATION AND PERFUSION, ORGAN ISOLATION AND PERFUSION

Corporate description

Medical Device Works is pioneering the development of minimally invasive, interventional medical devices that allow diseased organs to be temporarily isolated from the systemic blood circulation and perfused with high drug concentrations. Administering drugs directly into an isolated, closed organ permits local delivery of drugs under optimal pharmacological conditions, in the most efficient concentrations, without exposing other organs to drug toxicity and provoking systemic side effects.
Medical Device Works was founded in 2004 as an MBO from Abbott Vascular Devices. The Management consists of seasoned entrepreneurs and experts in development of endovascular, percutaneous devices and from "big pharma".
The company concluded a research cooperation with the University of Leuven/ Belgium (KU-Leuven) in 2006 and did a first, VC-subscribed financing round over 3,5 MEUR in 2007.
The Liver-PILP System is patented worldwide. Liver-PILP is developed and manufactured in the MDW ISO 13485:2003 certified facility in Brussels. CE-mark approval for Liver-PILP is expected in 2011.

Market

Medical Device Works' lead product is the Liver-PILP System. It is a set of catheter based, percutaneous devices intended to be used, in combination with physician selected chemotherapy drugs, for the treatment of primary and secondary liver cancer. With the European regulatory approval (CE-mark) projected to be received in 2011, the company will first pursue market introduction in EU and seek regulatory approval in the US. Regulatory approvals in Japan and other Asian markets will be pursued with local partners. The potential market size for Liver-PILP is estimated at 240.000 patients in EU and US alone.
Our clients: Hospitals, nursing home, Physicians/Doctors.
Distribution: Indirect (independent dealer).

Technology description

The Liver-PILP System enables temporary, complete separation of the liver from the systemic blood flow and permits administration of chemotherapy drugs locally and in high concentrations directly into the isolated liver, under drug optimized conditions, without systemic side effects. The MDW technology is based on years of experience with the development and manufacture of interventional radiology and cardiology devices.

State of the technology

- Development phase
- Available for demonstration

Intellectual Property Rights (IPR)

- Patents granted

Services description

Besides development of the PILP System, MDW also performs development services and subcontract manufacturing of interventional radiology devices.

Products description

The Liver-PILP System is a set of catheter based devices intended to deliver physician prescribed chemotherapy drugs temporarily and in high concentrations, loco-regionally into the liver. Simultaneously, the liver is isolated from the systemic blood circulation thus preventing systemic side effects.

Innovative aspects

The Liver-PILP System permits local delivery of drugs directly into the liver - where they are really needed- and at concentrations of optimal clinical efficacy, without exposing other organs to drug toxicity and provoking systemic side effects. The isolation of the liver also permits control of perfusion parameters in the liver like temperature, flow rates, oxygen level, ortho- versus retrograde perfusion flow etc, in short to adjust to operational parameters that permit the drug to function under optimal pharmacokinetic parameters and adjusted to the patient's condition. Liver-PILP can be used as an "open system" with physician prescribed drugs.

Research & Development (R&D)

MDW's organ isolation and perfusion technology is a "platform technology" that reaches beyond the present Liver-PILP to other organs e.g. lung, pancreas etc. MDW will focus its efforts on bringing Liver-PILP to market and to broaden market acceptance but will also develop PILP for other organs whereby Lung-PILP will be next.

Type of partnership sought

- Financial Resources
- Distribution agreement
- Regulatory support for Japan, China and other Asian markets

Type of partner sought

- Small to medium sized company
- Large company

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Contact person
Joop FIERENS
Herbert KONTGES

Date of establishment
2004

Number of employees
14

Number of employees in R&D
10

Activities in Brussels
Headquarter
Manufacturer
Research and Development (R&D)

Medical Device Works
Organ Isolation Technologies

MEC R&D (MEDICAL ELECTRONIC CONSTRUCTION)

ELECTROMECHANICAL MEDICAL TECHNOLOGY: RESPIRATION EQUIPMENT, CARDIO-RESPIRATORY EQUIPMENTS (SPIROMETRY, BODYPLETHYSMOGRAPHY, DIFFUSION, STRESS-TEST), GASTRO-ENTEROLOGY EQUIPMENTS (BREATH TEST FOR CARBOHYDRATE MALABSORBTION. H2 CH4 & CO2 MONITORS) - HOSPITAL HARDWARE: LABORATORY EQUIPMENT

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Contact person
Jean-Yves MOENS

Date of establishment
1984

Number of employees
5

Number of employees in R&D
2

Turnover
1, 5 Million Euros

Activities in Brussels
Headquarter
Manufacturer
Production
Distribution
Research & Development (R&D)

Activities in other countries
Distribution of our products in Luxemburg, France, Netherlands, Switzerland, Greece, China

Corporate description

Founded in 1984 by Ir Robert Moens, MEC (Medical Electronic Construction sprl) Brussels Belgium grows up in the forefront of electronic cardio respiratory and pulmonary function testing device distribution.

In 2002 the company is a certified ISO 9001 / EN ISO 13485 and decided to manufacture his own innovative software and hardware technology to design and develop CE approved medical devices, in successful collaborations and partnership with universities.

Our products assortments are well designed by experienced clinicians and technician teams and assembled with quality parts and accessories carefully selected, with special focus on high accuracy, practicality, portability, easy operating, aesthetic, stability of performance, workable price. Therefore during the last years MEC becomes well known in manufacturing innovative medical micro electronic and development of hardware and software-based cardiorespiratory devices combined or contained into computers. These devices can be suitably equipped in hospital, clinic and home care.

Market

Pulmonary function testing and cardio-respiratory screening, diagnostic, monitoring and therapy follow up devices that use the most enhanced technology to make measurements anywhere and in any situation.

Our clients:
Army.
Hospitals, nursing homes.
Physicians/Doctors.

Distribution:
Indirect (independent dealer).

Technology description

- Pulmonary function testing equipment for respiration laboratories
- Smart portable spirometry equipment, Radio communication (Bluetooth)

State of the technology

- Available for demonstration
- Already on the market

Intellectual Property Rights (IPR)

- Exclusive rights

Services description

Development, production, distribution and technical service of cardio-pulmonary equipments.

Products description

- Cardio-respiratory equipments including: Spirometry, Bodyplethysmography, Diffusion, Stress-test
- Gastro-enterology equipments: Breath test for carbohydrate malabsorbtion. H2 CH4 & CO2 monitors

Innovative aspects

Fast measurements, cheap equipment, reliable and precise easy to carry equipment for bedside.

Research & Development (R&D)

Continuous program development in respiratory and gastro-enterology fields.

Type of partnership sought

- License agreements
- Transfer of know-how
- Manufacturing/Subcontracting agreement
- Joint venture agreement
- Distribution agreement

Type of partner sought

- Small to medium sized company
- University
- Research Institute

MEDATEC

ELECTROMECHANICAL MEDICAL TECHNOLOGY: SLEEPLABS, EEG SYSTEMS, DIGITAL POLYSOMNOGRAPHY

Corporate description

A 100% Belgian company, MEDATEC sprl started developing and producing sleeplabs and digital EEG systems back in 1988.

Through its continued development efforts and investments in new technologies, MEDATEC became an European market leader in digital polysomnography and EEG registration. The recent introduction of the P8 evoked potential system again demonstrates Medatec's commitment to constant improvement and development.

Technology description

Medatec develops and builds medical devices, and is complying with the most stringent quality requirements available: MEDATEC is certified to ISO13485 (the equivalent of ISO9001 in the medical world).

All MEDATEC products–software and hardware–bear the required CE marking, your guarantee for a safe and reliable system.

State of the technology

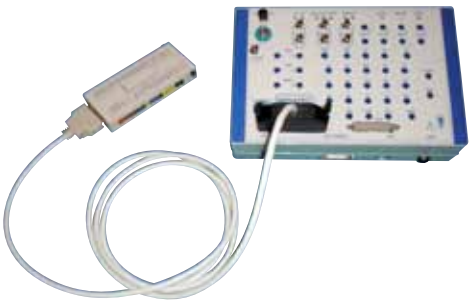
- Already on the market

Intellectual Property Rights (IPR)

- Patents applied – not granted

Products description

- Sleeplabs and EEG systems. European market leader in digital polysomnography and EEG registration
- Brainnet IP: network based 52 channels sleeplab
- Brainnet 2: 40 channels paperless EEG concept
- Dream: wireless Ambulatory Sleeplab
- Brainwalker 3: wireless ambulatory EEG
- P8 evoked potential system



Innovative aspects

Quality and constant innovation are the driving forces behind our company, and benefit to all our customers through our lifetime free software upgrade program.

Research & Development (R&D)

Quality and constant innovation are the driving forces behind our company, and benefit to all our customers through our lifetime free software upgrade program.

Type of partnership sought

- Further research/development support
- Distribution agreement

Type of partner sought

- Small to medium sized company

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Contact person
Eric DRIESSENS

Date of establishment
1988

Activities in Brussels
Headquarter
Production
Distribution
Research & Development (R&D)

Activities in other countries
Distribution/sales in France, Italy, Austria, Hungary, Luxemburg

Several hundred installations throughout Europe are showcases for the quality of our products and the know-how and service offered by our company

MEDIBRIDGE

COMMUNICATION AND INFORMATION TECHNOLOGIES: COMPUTER SOFTWARE, DATA BASES, ELECTRONIC PATIENT RECORD (EPR) , INTERNET/ON-LINE SERVICES, SECURE HEALTHCARE COMMUNICATION AND INTEGRATION PLATFORMS

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Contact person
Bernard HOUDMONT

Date of establishment
1994

Number of employees
9

Number of employees in R&D
5

Turnover
4.000.000 Euros

Activities in Brussels
Headquarter
Research and Development (R&D)
Service company
Supplier/Distributor

Corporate description

Medibrdige was founded in 1994 by several shareholders. MediBRIDGE became the main provider of healthcare related secure messenging, communication and integration solution based on its unique data-encryption and securisation expertise. Today, all belgian hospitals and laboratories are using Medibridge, as well as over 10.000 users in the first line (GP's, nurses, kinesists, ...). MediBRIDGE nv was 2001: MediMedia only shareholder. Medibridge is also a key partner of the main her solution providers. Since 2004, Medibridge is part of the worldwide represented UBM group.

Market

Our clients:
Army.
Healthcare organization.
Homecare.
Hospitals, nursing homes.
Physicians/Doctors.
Distribution:
Direct (own sales force).
Indirect (independent dealer).

Technology description

The different MediBRIDGE solutions are based on both open source (Java environment) and Microsoft technologies. Reliability and consistency are the main features of the widespread solutions.

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Exclusive rights
- Partnership/Other contractual agreement

Products description

The MediBRIDGE solution portfolio is made of the next products:

- Medimail: (formerly Medserve / Meximail). The widespread secure messenging solution for the healthcare sector in Belgium
- Medipath: the xml-webservices based carepath platform solution with a direct integration in the Gp's eHR
- Prescribe: The prescription software for GP's and specialists
- Medidrugdata: The most complete drug information service / available in Belgium.
- MediSHARE: electronic secured sharing of patient related data for care professionals based on xml (Kmehr / HL7) -webservices

Innovative aspects

Based on the latest technology standards and preferred partnerships with the main her providers, the Medibridge solutions are the ideal bridge between the different stakeholders in the healthcare sector.

Type of partnership sought

- Distribution agreement
- License agreements
- Companies in the health care sector who already have a finished software product/ service and are looking for a secured communication channel

Type of partner sought

- Small to medium sized company
- Large company
- Research institute
- University

MEDIDA-SOLUTIONS

TECHNICAL AIDS FOR DISABLED - ORTHOPAEDIC TECHNOLOGIES: FOOT MEASUREMENT, INSOLES

Corporate description

Medida-Solutions, started in 2005, is active in technological measurement solutions to obtain a precise measurement of the foot. MEDIDA is the Spanish word for 'measure' (dimensions). SOLUTIONS stands for 'answers' where for our team is the clock round. The hyphen indicates that either objectives are committed to each other.
In the first place Medida-Solutions stands for progressive, technological and qualitative measurement solutions to obtain an utmost precise measurement of the foot, de bases for the adjustment of the insole, after which the insole will be milled computer-controlled.

Market

Medida-Solutions mills insoles for the podiatry, podo therapy, podo postural therapy, orthopaedics and sport sole manufacturer.

Technology description

Laser, light, pressure measurement (sensors), 3D modeling.
The podology, podotherapy, podoposturale therapy, sport sole manufacturer, safety shoes and comfort soles have created new techniques and therapies to treat feet. The leading aspect is the study of the feet in relation with the body structure.
Today we apply digital measurement systems. Not only to study the static, but mainly the dynamic pattern of the step.
The feet are measured and the soles were digital manufactured. This digital information will be milled computer-controlled. You can use a variety of material combinations.
This progressive process will give you, the treating specialist more time for your patient, which will result in a more efficient and more precise treatment of the patients need.

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Patents granted
- License agreements reached
- Exclusive rights
- Partnership/Other contractual agreement

Products description

Cad Cam systems for insole production Insole production.
Since not every sole manufacturing company has the possibility to invest in a milling machine, Medida-Solutions mills insoles for the podiatry, podo therapy, podo postural therapy, orthopaedics and sport sole manufacturers.
In her milling centre, Medida-solutions is offering a range of insole models and materials, to make sure that everyone will be served in an individual way.
A digital foot scanner, together with the software, can easily be placed at your company.
The adapted soles will be send by mail to Medida-Solutions and already within 5 working days, you will receive the milled custom made insoles, precisely like you designed them.

Innovative aspects

- Utmost precise measurement and analysis of the feet
- Digital data (of the feet, database, sole contours and modules) is clean and easy adjustable. A quick data transfer is guaranteed using one cable only
- Milling computer-controlled, therefore less dirty work and much healthier for you and your co-workers
- Files are digitally hold out, no need for extra storage rooms and data is always easily retrieved
- Perfect and unlimited reproduction of the insoles
- Fast serial production of standard insoles

Research & Development [R&D]

Foot measurement.

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Contact person
Virginie HAERYNCK

Date of establishment
2005

Activities in Brussels
Headquarter
Production
Distribution
Research & Development (R&D)

Activities in other countries
Sales: Netherlands

Medida-solutions.com
Custom made insole production

MERCURA INDUSTRIES

HOSPITAL HARDWARE: MEDICAL FURNITURE AND EQUIPMENT (MEDICAL TROLLEYS, DOSSIER CARTS, BAG CARRIER, PHARMACY CABINETS AND LOGISTICS FOR HOSPITALS

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Contact persons
Paul COUPEZ
Manu DELANGHE

Date of establishment
2003

Activities in Brussels
Production

Corporate description

Mercura Industries NV, established as a limited company on 10 June 2003, boasts unique experience in the development and production of aluminium trolleys for the healthcare sector. With 58 years of experience, this Brussels-based company offers the ideal solution for all internal logistics problems in the form of a comprehensive range of top quality trolleys. In addition, our engineers are able to meet all the wishes and requirements of rest homes and hospitals by supplying customized products. A Mercura ® trolley is an investment which will prove satisfactory for all users. Ergonomic, long-lasting, superb quality and environmental friendly, Mercura® trolleys are used in over a thousand buildings and more than eighty countries.

Market

Rest homes, hospitals, clinics, laboratories.

Technology description

Specific knowledge of the development of aluminium trolleys – medication trolleys with electronic badge systems for safety and registration.

State of the technology

Medication trolleys with electronic badge

- Under development
- Available for demonstration

Products description

Development, production and sale of aluminium trolleys for the health sector (RVT hospitals)

- Medical trolleys such as emergency, anaesthesia, drug distribution, ...
- Linen trolleys
- Dossier carts
- Bag carrier
- Trolleys for selective collection of dirty linen and waste, ...
- Pharmacy Cabinets & Logistics for hospitals

Innovative aspects

Over 58 years' experience of the manufacture of aluminium trolleys. New range with electronic applications currently being developed "Smart trolley".

Research & Development [R&D]

Development of a new range of medication trolleys with electronic lock and ergonomic applications such as electronically driven wheel system.

Type of partnership sought

- Production agreement

Type of partner sought

- University
- Research institute

NAUTADUTILH

LEGAL ADVICE FROM IP TO REGULATORY AND FROM CONTRACTS TO FINANCIAL - FULL RANGE OF TRANSACTIONAL, ADVISORY AND LITIGATION SERVICES - CONSULTING ACTIVITIES (REGULATORY AFFAIRS, MARKET AFFAIRS)

Corporate description

NautaDutilh is an independent law firm, focused on Belgium, the Netherlands and Luxemburg, offering the full spectrum of legal services to companies active in selected key sectors. NautaDutilh's Dutch roots go back to 1724. The Belgian office was founded in 1994.

Our strategy is not about being the biggest in the market or having the broadest range of services or even having the largest turnover. It is about doing what we do consistently well: understanding the unique needs and challenges of every key sector and client, thus providing a tailor made legal and client service.

We believe that success in our business will only come through the consistent delivery of quality, value and service to our clients.

Market

Our clients range from start-up ventures to industry leaders, whether in biotech, pharma, medical devices or diagnostics, and also the leading trade associations representing these industries in the Benelux and Europe. What they all have in common is their confidence in the way we work, in our knowledge and experience of their sector and in our ability to provide innovative and practical solutions.

Services description

Life sciences companies have to cope with ever-changing day-to-day economic cycles in a highly regulated marketplace. That's why we build our legal services around the product's and company's life cycle. And we cover every aspect of this from commercial and licensing agreements to financing and mergers & acquisitions, and from patent litigation and marketing authorization procedures to pricing & reimbursement. In other words, we provide a full range of transactional, advisory and litigation services tailored to meet your requirements.

Innovative aspects

We are the only law firm in Belgium with a sector dedicated team that shares business and legal know how on a regular basis and provides the complete range of legal services.

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Contact person
Jo VANWITTENBERGH

Date of establishment
1994

Number of employees
135 (70 lawyers)

Number of employees in R&D
5

Turnover
+/- 20 Million Euros

Activities in Brussels
Legal advice, from IP to regulatory and from contracts to financial. We provide a full range of transactional, advisory and litigation services tailored to meet your requirements.

Activities in other countries
Legal advice, from IP to regulatory and from contracts to financial. We provide a full range of transactional, advisory and litigation services tailored to meet your requirements
The Netherlands, Luxemburg, USA, UK

NautaDutilh

OFFICE VAN MALDEREN - PRONOVEM

SERVICES IN THE FIELD OF INTELLECTUAL AND INDUSTRIAL PROPERTY PROTECTION (PATENTS, TRADEMARKS, MODELS, COPY RIGHTS, ...)

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Contact persons
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Joëlle VAN MALDEREN

Date of establishment
2000

Number of employees
26

Turnover
6.500.000 Euros

Activities in Brussels
Headquarter

Activities in other countries
Services in the field of intellectual and industrial property (Luxemburg – France)

Corporate description

Office Van Malderen belongs to the Pronovem group which has offices located in Belgium (Brussels, Liège and Brugge) Luxemburg and France (Lille).

Office Van Malderen Pronovem Group has had progressive growth since its creation and is providing services in the field of intellectual and industrial property.

Market

All fields of technology.

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Exclusive rights

Services description

For several decades, our firm has directly represented local and foreign clients (Universities, Research institutions and Industries) for the protection of their intellectual property.

Our experienced International (WIPO), European, Belgian, Luxemburg, Benelux and French patent and trademark attorneys provide all patent, trademark and design-related services, including but not limited to:

- Prior art searches
- Patent and trademark prosecution
- Freedom to operate analysis
- Litigation before national and European
- Offices and courts

Our multidisciplinary approach to provide legal services focuses on protecting commercial interests and innovations in all fields of technology, including polymer science, biotechnology and nanotechnology.

Type of partner sought

- Small to medium sized company
- Large company
- Research institute

OVIZIO IMAGING SYSTEMS

HOSPITAL HARDWARE: LABORATORY EQUIPMENT - IN-VITRO DIAGNOSTIC TECHNOLOGY: DIGITAL HOLOGRAPHIC MICROSCOPY

Corporate description

Ovizio is a spin-off company of the "Université Libre de Bruxelles" (ULB) specialized in imaging systems and sensors based on Digital Holographic Microscopy (DHM) created in December 2009. The technology is developed around a patent portfolio developed at the Microgravity Research Center of the University, headed by Professor Frank Dubois.

The company designs and markets optical instruments and adapted services primarily for the Life Sciences industry. Ovizio has secured funding from its founders, the SRIB (Société Régionale d'Investissement de Bruxelles) and Theodorus II, the spin-off fund of the ULB.

Market

Our clients:
Hospitals, nursing homes.
Biotech or pharma companies.
Distribution:
Direct (own sales force).

Technology description

Digital holography is the technology of acquiring and processing holographic measurement data, typically via a CCD camera or a similar device.

Ovizio markets an imaging system based on this patented technology. The product is composed of a microscope device (optical hardware) and advanced software for image capturing, processing and analysis.

Our technical principle, based on improved Digital Holographic Microscopy has the following USP's and advantages:

- Partially coherent light: high quality images in harsh environments for real time analysis of particles in fluids and transparent objects
- Real Time: high acquisition speeds of "microscopic holograms" offer dynamic supervision of industrial processes
- Large depth of focus: observing large volumes bring reliable counting and analyses of particles in fluids out of the narrow focus plane
- Multimodal: fluorescence, bright field (regular imaging), dark field in both transmission and reflection mode in a single device
- Fluorescence: fluorescent holograms allow for full analyses of the observed volume
- LED light: high power LED's lead to cost effective and robust optical devices

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Patents granted

Services description

Installation, configuration, customization and maintenance services.

Products description

Ovizio markets 4 versions of its technology:

- **oLine:** a desktop device for research and lab use
- **pLine:** a portable device for field research
- **iLine:** an industrial Holographic device for in-line monitoring
- **mLine:** an extension unit for classical optical microscopes

Innovative aspects

Ovizio's unique real time high quality 3D imaging technology of microscopic particles allows our customers to obtain detailed data and images of samples, breaking the barriers between the traditional speed of flow cytometry and the resolution of classic microscopy. This is far beyond the capabilities of existing technologies, revolutionizing current methods and reducing costs.

Research & Development (R&D)

Delivering the first devices to customers. Development of specific applications in the biotech and Pharma area allowing customers to observe bioreactors in real time.

Type of partnership sought

- License agreements
- Distribution agreement

Type of partner sought

- Large company

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Website
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Contact person
Philip MATHUIS

Date of establishment
2009

Number of employees
5

Number of employees in R&D
4

Activities in Brussels
Headquarter
Manufacturer
Out-licensing
Research and Development (R&D)

PHILIPS MEDICAL SYSTEMS

ELECTROMECHANICAL MEDICAL TECHNOLOGIES - HOSPITAL HARDWARE - DIAGNOSTIC AND THERAPEUTIC RADIATION TECHNOLOGY - COMMUNICATION AND INFORMATION TECHNOLOGY -RESCUE AND EMERGENCY EQUIPMENT

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Website
www.medical.philips.be
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Contact person
Kathy VERHAEGEN

Date of establishment
2003

Activities in Brussels
Headquarter

Activities in other countries
Philips distribution centers in the big cities or capitals worldwide. Head-offices, trainings, distribution, production, Research & Development (R&D)

Corporate description

N.V. Philips Medical Systems was set up on 1/12/2003. For that time was the Medical Division part of Philips Professional Activities. The history of Philips Medical Systems starts however earlier, approximately in 1896, at the production of the first X-Ray tube. The health care and technology have gone strongly ahead since then and offer to Philips the best products concerning X-ray, magnetic resonance, CT, echography, monitoring, defibrillators, Nuclear medicine with CAP, CAP/ct and radio Therapy planning systems, ... thanks to the acquisitions of the last years (Marconi Medical Systems, Adac Laboratories, Healthcare department of Agilent Technologies and ATL) Philips Medical Systems becomes one of the largest suppliers of medical material.

Market

Hospitals, polyclinic, private experts in cardiology, radiology and gynaecology.

Technology description

High technological equipment for medical diagnosis, mainly for medical representation and Cardiac monitoring.

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Patents granted
- License agreements reached
- Partnership/Other contractual agreement

Products description

Sales of Medical Systems, mainly Medical Imagery and Cardiac Monitoring Systems.

Innovative aspects

Best picture quality for best diagnosis pathological deviations. Most sophisticated systems concerning ergonomics, exactitude and cost efficiency.

Type of partnership sought

- Further research/development support
- Transfer of know-how

Type of partner sought

- Large company

PHILIPS

PROMODENT

ALL FOR THE DENTAL IMPLANTOLOGY AND ORAL REHABILITATION

Corporate description

Company producing mainly dental alloys intended for export throughout the world. Other products are currently being examined.

CMD is also linked with other companies:

PRO dental, Pierre Ravets Organisation, (www.prodental.be**):** established in 1972, active in the field of manufacture, creation and R&D of new dental alloys. Main products: Vio Ceram Ni, Vio Ceram Cr, Vio Chrome 35, ...

MAIL-DENT, dentaldiffusion, (www.online-dental.net**):**
established in 2001, active in e-business.
The Website allows:

- to consult the offers and innovations of various suppliers on only one site
- to obtain informations on dental manufacturers and importers

CENTRALE MEDICO DENTAIRE S.A.:
established in 1947, active in the field of dental sector, import and export.

Dentex International (www.dentex.be**):**
established in 1976, co-operative company organizing, in Belgium and abroad, fairs and seminars to inform on the medico-dental sector.

Inter Medic-All (www.ima.be**):**
established in 1987, active in the field of manufacture of dental alloys for export.

Market

- Dental medical equipments and products.
- Dental alloys
- Dental implantology

State of the technology

- Available for demonstration

Intellectual Property Rights (IPR)

- Patent(s) application pending
- Exclusive rights
- Partnership/Other contractual agreement

Type of partnership sought

- Further research/development support
- Transfer of know-how
- Manufacturing/Subcontraction agreement

Type of partner sought

- Small to medium sized company
- Large company
- Research Institute

Rue Dodonée, 8
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E-mail
info@promodent.com

Website
www.promodent.com

Contact person
Martin RAVETS

Date of establishment
1984

Number of employees
2

Turnover
110.000

Activities in Brussels
Parent company
Production
Distribution/Sales
Research & Development (R&D)

PROMODENT

PROTHETICA

DENTAL TECHNOLOGY: IMPLANTOLOGY, PROTHESIS ON IMPLANTS

Rue de Hal, 3/5
B - 1190 Brussels (Belgium)

Phone: **+32 2 512 00 62**

E-mail
prothetica@skynet.be

Contact person
Philippe VANDECANDELAERE

Date of establishment
1999

Activities in Brussels
Parent company
Production

Corporate description

The Prothetica laboratory is installed in Brussels since 1999 and meets the standards of ISO quality. Philippe Vandecandelaere, manager of the laboratory, is at the origin of a system of hook of skeletal out of white resin injected, the DentalD system.

The laboratory passed from 6 to 12 fulltime people working. A ceramist of talent and experiment, a team for the remo-vable one, another with the plaster and the reinforcements.

All make it possible to ensure a complete offer carried out in the house. With such a structure, Prothetica is committed guaranteeing a service which answers the current requests: guarantee on work, respect of the deadlines, a twice-daily withdrawal and parcel delivery, a service speed dental of repair in urgency, all that with competitive tariffs.

Each stage of work is carried out and controlled in the Prothetica laboratory which allow the company to grow quickly.

Market

Hospitals, Dentists, Medical centres.

Technology description

- Modern
- Cad cam computer-assisted with feeler of precision, work on zirconium and titanium
- Surgical guide, all in one, complex implantology, prosthesis on implants

State of the technology

- Already on the market

Products description

- Dentures
- Implants
- Bridges

Innovative aspects

Technology, skills, Belgian know-how.

Type of partnership sought

- Research & Development support
- Financial resources
- Joint venture

Type of partner sought

- Large company
- University
- Research Institute

REMED PHARMA

SINGLE USE TECHNOLOGY: CONDOMS, GLOVES, LUBRICATING GELS

Corporate description
Remed Pharma nv/sa is an independent company since 1996 after have been a subsidiary of Remed nv,sa, a well known company in the Pharmaceutical field since 1963. We produce our high quality brands of condoms PREVENTOR® and LOVE CONDOM®, water based lubricating gel as well as examination gloves.

The top quality and reliability of our products is our main priority:
Quality testing is made at different stages of the manufacturing process (100% of our condoms are electronically tested) and there are also post manufacturing testing, in accordance with the ultimate norms in use in that sector worldwide.
Remed Pharma is certified as meeting the requirements of the Directive 93/42/CEE, and of the ISO 13485:2003 and ISO 9001:2008 norms.

Our objectives of continuous improvement and of being customer-oriented lead our company to be innovative in Research and Development: we developed a special formulation with a low level of chemicals added to the natural latex in order to make our condoms hypoallergenic. Moreover our current R&D projects are the development of a new shape for condoms and the addition of specific substances to the condom. We are also working on a totally new synthetic substance with the same qualities as natural latex, for users suffering of allergy to latex.

Remed Pharma has a long term expertise in the condoms field.
We are aware that we are a major player in eradicating the AIDS spreading worldwide. We have been chosen as favorite supplier of the European Commission to supply 6 million condoms for the campaign «Europe against AIDS», for which we have been partner of 29 European governments. We are currently exporting our top quality condoms to 104 countries and are continuously increasing our distribution network in order to protect most people from AIDS and other sexually transmitted diseases.

Market
Design, Development and Manufacturing of condoms.
Our clients:
Consumer (mass market).
Hospitals, nursing homes.
Healthcare organisation.
Distributors worldwide.
Distribution:
Indirect (independent dealer).

Technology description
Manufacturing, design and development of condoms.

State of the technology
- Already on the market

Intellectual Property Rights (IPR)
- Patents granted

Products description
Male latex condoms, lubricating gels, examination gloves.

Innovative aspects
New range of PREVENTOR® condoms: CLASSIC, TUTTI FRUTTI, RIBBED, DOTTED, SUPER DUPER, HOT HOT, PRET-A-PORTER, X'TRA STRONG, X'TRA LARGE and LOVE CONDOM®.

Research & Development (R&D)
New condom shape.
Substances added to the condom for specific needs.

Type of partnership sought
- Distribution agreement

Type of partner sought
- Small to medium sized company
- Large company

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Website
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Contact person
Axel BIART

Date of establishment
1996

Activities in Brussels
Parent company
Distribution/Sales
Research and Development (R&D)

Activities in other countries
Manufacturer
Research & Development (R&D)
Distribution/Sales in 104 countries worldwide

RENOL

TECHNICAL AIDS FOR DISABLED: POSITIONING PRODUCTS AND SAFETY PRODUCTS

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B - 1070 Brussels (Belgium)

Phone: **+32 2 660 62 45**
Fax: **+32 2 675 48 65**

E-mail
office@renolcare.com

Website
www.renolcare.com

Activities in Brussels
Headquarter
Research & Development (R&D)

Product description

RENOL's view is to approach the idea of patient safety from a new angle and in a way we will describe as "progressive" such that the concept of the brace is perceived differently. When the risks of falling and serious injury to which the patient is exposed are assessed objectively and the prevalence of the brace has been properly evaluated, we find it is not always necessary to immediately resort to so-called "strong" methods. Consequently, solutions that are alternative, preventive and even often complementary to the immobilisation methods can be considered. For this reason RENOL has perfected a wide range of ergonomic and multi-functional positioning products designed to stabilise the patient in the chair or bed to anticipate any accident. Cushions, various appropriate protective devices that are suited to a comfortable and optimal position, prove to be a fully fledged medical aid and a real help to the care dispensed by nursing staff. When the situation is such that position holders are inevitable, these are preferably used alternatively with cushions or protective devices to make the patient as safe as possible but also to preserve his comfort (freedom of movement) and therefore his physical and mental integrity.

Market

Our clients:
Hospitals, nursing homes.
Homecare.
Distribution:
Indirect (independent dealer).

State of the technology

- Already on the market

Type of partnership sought

- Distribution agreement

Type of partner sought

- Small to medium sized company
- Large company

RVB ROBINETTERIE

HOSPITAL HARDWARE: FURNITURE AND EQUIPMENT, DISINFECTION EQUIPMENT (SANITARY TAPS, SINGLE LEVER MIXER, HAND SHOWER

Corporate description

Taps for Life is more than a slogan, it concretises RVB's philosophy and desire to associate well-being and lifestyle with the durability of its taps.

From the very beginning in 1935 in its workshops in Brussels, RVB set out to create, design and manufacture, high-quality taps to meet your expectations and needs.

The rigorous selection of superb pure materials such as solid brass and the obsessional care with which our taps are manufactured and finished, ensure the quality, strength and pleasure of an RVB tap.

Major interior designers have since long been calling on RVB to furnish prestigious hotels all over the world.

Moreover, the high quality demanded by the most-renowned university hospitals that use RVB's medical range constitutes a genuine reliability label in itself.

Market

Taps for hospitals.

Technology description

Single lever mixer, handshower with pusher hygiene, ...

State of the technology

- Already on the market

Products description

Production of taps.

Innovative aspects

Servo-medico, mixer with three closing.

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info@rvb.be

Website
www.rvb.com

Date of establishment
1935

Activities in Brussels
Headquarter
Production
Distribution
Research & Development (R&D)

Activities in other countries
Exportation of sanitary taps in Saudi Arabia, Romania, Russia

rvb®
Taps for life

S-CLINICA

COMMUNICATION AND INFORMATION TECHNOLOGIES: COMPUTER SOFTWARE (DATA MANAGEMENT, STATISTICAL ANALYSES, EDC, MANAGEMENT OF CLINICAL STUDIES)

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E-mail
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Website
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Contact persons
Irena SEREDINA

Date of establishment
1997

Activities in Brussels
Headquarter
Research & Development (R&D)

Activities in other countries
USA - opening office

Corporate description

S-CLINICA was established in 1997. We provide advanced technologies and professional expertise for real-time management of clinical studies.
We offer IVRS services, data management, biostatistical analyses, statistical consultancy and scientific writing.
Our preferred provider relationships with several international pharmaceutical and biotechnology companies bear witness to our reputation.

Market

Clinical trials.

Technology description

With S-IVRS

- Clinical trial management is performed in real time
- Recruitment is initiated and locked promptly
- Recruitment target is reached rapidly
- Study participants–Sponsor, Monitors, Investigators, Data Managers, Pharmacists, Laboratories – cooperate in real time
- Data is accurate

With our Treatment Logistics

- Clinical Trial Kits are used with a minimum of waste

With our Data Management

- Data validation is prompt and accurate
- CRF data is managed by means of web–technology
- CRF pages are traced in real-time

With our Bio-Statisticians

- Statistical analyses and reporting of results are excellent
- Randomisation method is tailored to each study
- Treatment allocation process is monitored

State of the technology

- Development phase
- Already on the market

Intellectual Property Rights (IPR)

- Partnership/Other contractual agreement

Services description

- IVRS services (central randomisation, treatment supply management, e-diaries)
- Data management
- Statistical analyses
- EDC

Innovative aspects

We provide services compliant with FDA 21 CFR Part 11, Good Clinical Practice and ISO 9001. Our Biometry, IVRS and IT professionals ensure you excellent services and assistance throughout your study. The Quality Assurance department ensures that our operating procedures comply with required standards. Internal, external and client auditing regularly evaluates the quality of our services. We protect data with a highly secure backup.

Type of partnership sought

- Further research/development support
- Contractual agreement

Type of partner sought

- Small to medium sized company
- Large company
- University
- Research Institute

S-CLINICA

SGS BELGIUM (DIVISION SGS CEBEC)

SERVICES: CE MARKING, CERTIFICATION BODY

Corporate description
The SGS Group Belgium is a group of companies whose mission consists of monitoring and improving the quality of goods (eg. Medical Devices), products, services and systems, as well as the environment.

Market
Conformity assessment and CE-certification of Medical Devices under the European Directive 93/42/CEE/Belgian Royal Decree of 18 March 1999.

Quality management systems certification according ISO 9001:2000 and ISO 13485:2003 (Medical Devices–Quality management systems–Requirements for regulatory purpose).

Product certification to:
- EN 60601-1 (Medical devices) + national deviations
- Worldwide CB Test Certificates according to IEC 60601-1
- Inside Test laboratory (ISO 17025 compliant)
- CEBEC-marking

Technology description
In the therapeutic, diagnostic and telemedicine activity field we provide market access for medical devices trough:

CE certification (div. S&SC)
- Notified Body with identification number 1639
- BELAC accredited
- Medical Device Directive 93/42/EEC conformity assessment

Quality Management System certification (div. S&SC)
- ISO 9001 (Generic quality system standard)
- (EN) ISO 13485 (Medical device quality system standards)

Product testing and certification (div. Cebec)
- EN 60601-1 (Medical Devices) + national deviations
- Worldwide CB Test Certificates according to IEC 60601-1
- Inside Test laboratory (ISO 17025 compliant)
- CEBEC-marking

With 50.000 customers worldwide, SGS is the worlds preferred certifying body. We share with our customers the wealth of 125 years of experience in certification, testing and verification across most major industries in the world, and provide them with innovative services to build a leading competitive edge and succeed in todays and tomorrows competitive markets.

State of the technology
- Already on the market

Services description
- Systems and service certification
- Product certification

Innovative aspects
Accredited by the Belgian authorities (Belcert) and notified to the European Commission (MD 93/42/CEE).

The one and unique Belgian organization for conformity assessment and certification under the Directive "Medical Device" for the broad range of active and non-active medical devices.

Type of partner sought
- Large company

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www.be.sgs.com/cebec

Contact person
Kris DE POTTER

Number of employees
50

Activities in Brussels
Service company
Headquarter Product Certification
Headquarter Quality Management System Certiciation and CE Certification in Antwerp

Activities in other countries
Test laboratories for CE testing
Product and Q-management system certification in the field of Medical Devices in UK, NL, FR, Ukraine, ...

SIEMENS (HEALTHCARE SECTOR)

ELECTROMECHANICAL MEDICAL TECHNOLOGY - HOSPITAL HARDWARE - IN-VITRO DIAGNOSTIC TECHNOLOGY - DIAGNOSTIC AND THERAPEUTIC RADIATION TECHNOLOGY - COMMUNICATION & INFORMATION TECHNOLOGIES

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Phone: **+32 2 536 21 11**

E-mail
healthcare.be@siemens.com

Website
www.siemens.com/healthcare

Date of establishment
1898

Turnover
120.000.000 Euros

Activities in Brussels
Headquarter

Activities in other countries
Siemens Healthcare operates in 130 countries

Corporate description

Siemens Healthcare is one of the world's largest suppliers to the healthcare industry.
The company is a renowned medical solutions provider with core competence and innovative strength in diagnostic and therapeutic technologies as well as in knowledge engineering, including information technology and system integration.

With its laboratory diagnostics acquisitions, Siemens Healthcare is the first fully integrated diagnostics company, bringing together imaging and lab diagnostics, therapy, and healthcare information technology solutions, supplemented by consulting and support services.

Siemens Healthcare delivers solutions across the entire continuum of care – from prevention and early detection, to diagnosis, therapy and care.

Market

Hospitals.
Polyclinic and private specialist in medicine.
Laboratories.

Technology description

- Diagnostic Imaging & Therapy
- Healthcare Infrastructure
- Laboratory Diagnostics
- IT and performance solutions

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Patents granted
- License agreements reached
- Exclusive rights

Products description

Sales and services for Diagnostic Imaging and Therapy, Healthcare Infrastructure, Laboratory Diagnostics and IT and performance solutions.

Innovative aspects

Our innovations combine state-of-the-art laboratory diagnosis, imaging technologies and IT for an earlier prevention and more specific diagnosis thus enhancing patient care.

Type of partnership sought

- Further research/development support
- Transfer of know-how
- Distribution agreement

Type of partner sought

- Large company

SIEMENS

SMDW

TECHNICAL AIDS FOR DISABLED: ELECTRONIC WHEELCHAIRS, ADAPTATION OF AUTOMOTIVE VEHICLES

Corporate description

SMDW is an sprl (limited liability company) founded by Mr Etienne Mertens in 1993 with a view to play an active role in the reintegration of disabled people into society.

To this end, SMDW designed a revolutionary vehicle which enables André Malherbes, several times world motocross champion, to drive a vehicle in the Shell eco marathon using his head during the 1994, 1995 and 1996 events and to achieve impressive performances.

SMDW aims to perfect all sorts of adaptations in order to facilitate daily life for disabled people and to distribute certain machines and accessories.

Moreover, SMDW is developing new concepts, such as the patented Hemilead transmission system (wheelchair propulsion system for hemiplegics) and an engine driven by this system with a view to breaking records, driving a car using a joystick or an off-road electronic wheelchair.

Market

Disabled person.
Car dealers.

Technology description

Adaptable and customized mechanics and motorization.

State of the technology

- Under development
- Available for demonstration
- Already on the market

Intellectual Property Rights (IPR)

- Patent granted

Products description

Adaptation of automotive vehicles for disabled persons.

Hemilead®: to enhance the mobility for hemiplegic people, SMDW developed Hemilead, the unilateral control stick with double effect (forward as well as backward arm movements propel the wheelchair for optimal efficiency). The control of the wheelchair is also simplified: moving forwards and backwards, slowing down and turning can be done by using only one hand Sales and after-sales service of manual and electronic wheelchairs.

Research & Development (R&D)

SMDW is currently developing a number of projects:

- Car driven using a joystick
- Perfecting and production of an off-road electronic wheelchair
- Ramer bike

Type of partnership sought

- Research & Development support

Type of partner sought

- Small to medium sized company
- Rehabilitation centres

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www.smdw.be

Contact person
Etienne MERTENS

Date of establishment
1993

Activities in Brussels
Parent company
Production
Distribution/Sales
Research & Development (R&D)

STERITEC

HOSPITAL HARDWARE: STERELIZATION AND DESINFECTION EQUIPMENT (AUTOCLAVES, HOT-AIR STERELISERS, DISTILLERS, PURE STEAM GENERATORS, PURIFIED WATER INSTALLATIONS, LIQUID EFFLUENT DECONTAMINATION UNIT, FREEZE DRYERS)

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steritec@steritec.be

Website
www.steritec.be

Contact person
Patrick VAN HECKE

Date of establishment
1986

Activities in Brussels
Parent company
Production
Distribution/Sales
Research & Development (R&D)

Activities in other countries
Distribution/Sales: Luxemburg and Netherlands
Production: Europe

Corporate description

Established on 1 December 1986 by FEDEGARI Autoclavi, VISMARA Associate and A. CHONQUEREZ. The turnover amounted to € 1,463,000 in 1986 and stood at over € 5,628,545 in 2007, that is a ratio of 1 to over 3.84 in 20 years. The workforce has also increased from four to 12 in 20 years, that is a ratio of 1 to 3.50.
The surface area occupied by the company has increased from 120 to 1.000 m², including 600m² allocated to assembly/storage areas. The current building belongs to the company.
The territory covered is the Benelux for the equipment represented and the world for the equipment manufactured.

The company's activities may be divided into three groups:

1. Assembly/perfecting, marketing and after sales service for autoclaves for hospital use.
2. Marketing and after-sales service for equipment intended for the pharmaceuticals industry and laboratories: autoclaves, distillers, pure steam generators, freeze dryers and other appliances.
3. Development, production and distribution of decontamination units.

Both we and our suppliers have ISO 9001 or 2 certification, which is greatly appreciated, mainly in the pharmaceuticals industry, which accounts on average for between 80 and 90% of our turnover.
Our company is organized primarily to focus on an extensive and competent technical service (seven people out of 14).
The average age of the staff in the company is 35 years, and all members of the workforce are multilingual (three to five languages), which means that we can look to the future with confidence.

Market

Pharmaceutical industry.
Laboratories.
Hospitals.

Technology description

Production of contaminated effluent units from 50 to 5000 l/h.

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Patent granted
- Exclusive rights

Products description

FEDEGARI
Autoclaves and hot-air sterilisers for the pharmaceuticals industry.
Autoclaves for hospitals and laboratories.

STILMAS
Distillers, pure steam generators, purified water installations (R.O. and EDI) for the pharmaceuticals industry.

STERITEC
Liquid effluent decontamination units (Kill Tanks).

USIFROID
Freeze dryers.

Type of partnership sought

- Distribution agreement

Type of partner sought

- Small to medium sized company

STERITEC SA NV

SYMFO

PATIENT DATA COLLECTION FOR ALL KINDS OF MEDICAL TECHNOLOGIES

Corporate description

Symfo, a privately owned, global ePRO provider, specializes in creating patient-oriented, cost-effective, robust and reliable electronic patient reported outcome (ePRO) and data collection solutions for CROs, pharmaceutical, biotech, medical device companies and academic institutions conducting Phase I to IV clinical studies or postmarketing surveys. Our solutions include a variety of ePRO technologies to suit every client's needs, allowing us to offer everything from "full-service" to "technology transfer".

Market

Patient reported outcomes (PROs) are data obtained directly from patient self-reports, and their use in clinical trials is increasingly important. This is reinforced by the recent FDA publication of the PRO Guidance. Very often in clinical trials, primary efficacy endpoints relate to patient data.

Symfo is specializing in the collection of patient reported outcomes in clinical trials, Phase I to IV and beyond. Our customers are Pharma companies, Biotech companies, CROs, Academies and Medical device companies. 50% of our customers are located in the US and 40% in Europe and 10% in the rest of the world.

Symfo has headquarters in Brussels, Belgium and in Boston, MA. Symfo has proven experience in emerging markets in addition to the US and Europe. We have delivered more success in Brazil, China, Israël, Russia, as well as out of the way places like Vietnam, Indonesia, Malaysia or Thailand, than any other. This is only possible using Symfo's multiple data transmission technologies deployed on a single device. Concerns about country/region specific modem compatibility and cell phone/internet coverage simply become irrelevant with Symfo.

Technology description

The following describes the patient data collection process involved for each handheld e-Diary:

- Symfo/CRO/Project manager develops the application that is installed on the hardware (Leonardo, Michelangelo). This hardware (called Michelangelo and Leonardo) is handed over to the patient who collects data as specified in the protocol
- All data recorded by the patient are automatically stored in an encrypted mode (128-bit encryption) on the Secure Digital (SD) memory card (Michelangelo) or in a permanent memory (Leonardo)

- Data transmitted by the patients arrive on Symfo's/customer's servers in an encrypted mode. Data are decrypted and decoded and immediately sent to a repository for viewing and reporting purposes. This reporting tool can be the customer's EDC tool or Symfo's repository tool
- Patient data can be accessed via Symfo's repository on www.symfo.org
- Data are also pushed in real time or at regular and/or pre-defined intervals to a third party server using various formats including ASCII and XML to accommodate the third party database structure. Data can be integrated into any EDC, CTM or IVR system (such as Rave, Expert, InForm, ...)

Innovative aspects

Symfo is proud to be the pioneer in developing a simple yet powerful e-Diary design tool which simplifies the process of creating your electronic patient diary solutions.

ARTIST puts customers in control of their patient data collection process! Artist allows designing the questionnaires, formatting the screen layouts, creating edit checks, and deploying an ePRO solution to numerous Windows Mobile based devices.

Research & Development (R&D)

- First project (ARTIST): Improvement phase
- Second project (repository): specification IT projects
- Third project: development of a lowcost hardware

Type of partnership sought

- Distribution agreement
- Further research/development support
- Joint venture agreement
- License agreements
- Transfer of know-how

Type of partner sought

- Small to medium sized company

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Website
www.symfo.com

Contact person
Serge BODART

Date of establishment
2000

Number of employees
7

Number of employees in R&D
2

Turnover
700.000 Euros

Activities in Brussels
Headquarter

Activities in other countries
Research & Development (R&D)
Marketing
Distribution
Luxemburg, USA, Australia

UNI-COM

ANAESTHETIC AND RESPIRATORY TECHNOLOGY: OXYCARD, SPIROXCARD – ELECTROMECHANICAL MEDICAL TECHNOLOGY: BLOOD PRESSURE, ECG, ULTRASOUND, SPIROMETER – HOSPITAL HARDWARE: PC BASED DIAGNOSTICS, DEVICES, INTEGRATION INTO EMR – SINGLE-USE TECHNOLOGY: PRECALIBRATED MOUTHPIECES – RESCUE AND EMERGENCY EQUIPMENT – COMMUNICATION AND INFORMATION TECHNOLOGIES: COMPUTER SOFTWARE, DIAGNOSTIC AND TELEMEDICINE

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Website
www.uni-com.eu

Contact person
Marc Henri VAN ANDERLECHT

Date of establishment
1998

Activities in Brussels
Headquarter
Distribution/Sales
Research & Development (R&D)

Activities in other countries
Master distribution / Europe, Maghreb countries, Switserland and Turkey

Corporate description

Uni-Com has taken over the exclusive distribution in Europe, Maghreb countries, Switserland and Turkey of a brand American manufacturer of electrocardiograph unit, spirometers, oximeters and Blood Pressure that can be connected directly to PC and PDAs. We have been able to add the exclusive distribution of a brand American manufacturer of ultrasound scanners that are connected directly to PC (market: Europe).
Telemedicine is a reality, with first-aid and teletransmission systems operational in France, amongst other countries. Our products are portable, efficient and complete, designed to facilitate the practice of medicine on a day-to-day basis. Interoperability with patient management software programs makes it possible to integrate these examinations efficiently into the patient's file.

Market

Belgium: hospitals, distribitors, IT integration and telemedicine.
Europe, Maghreb countries, Switserland and Turkey: distributors, IT integration and telemedicine
Our clients:
Army.
Healthcare organization.
Homecare.
Hospitals, nursing homes.
Medtech companies.
Physicians/Doctors.
Distribution:
Indirect (independent dealer).

Technology description

- All equipment on PC or networked
- Teletransmission of operational results
- Local, decentralised medicine with integration of results into patient's file

State of the technology

- Already on the market

Intellectual Property Rights (IPR)

- Partnership/Other contractual agreement
- Exclusive rights

Services description

Master distributor.

Products description

- Electrocardiographs
- Spirometers
- Oximeters
- Blood pressure
- Ultrasound

Innovative aspects

IT, transfer and integration of ECG examinations, Spirometry, Oxymetry, Blood pressure and ultrasonic scans.

Research & Development (R&D)

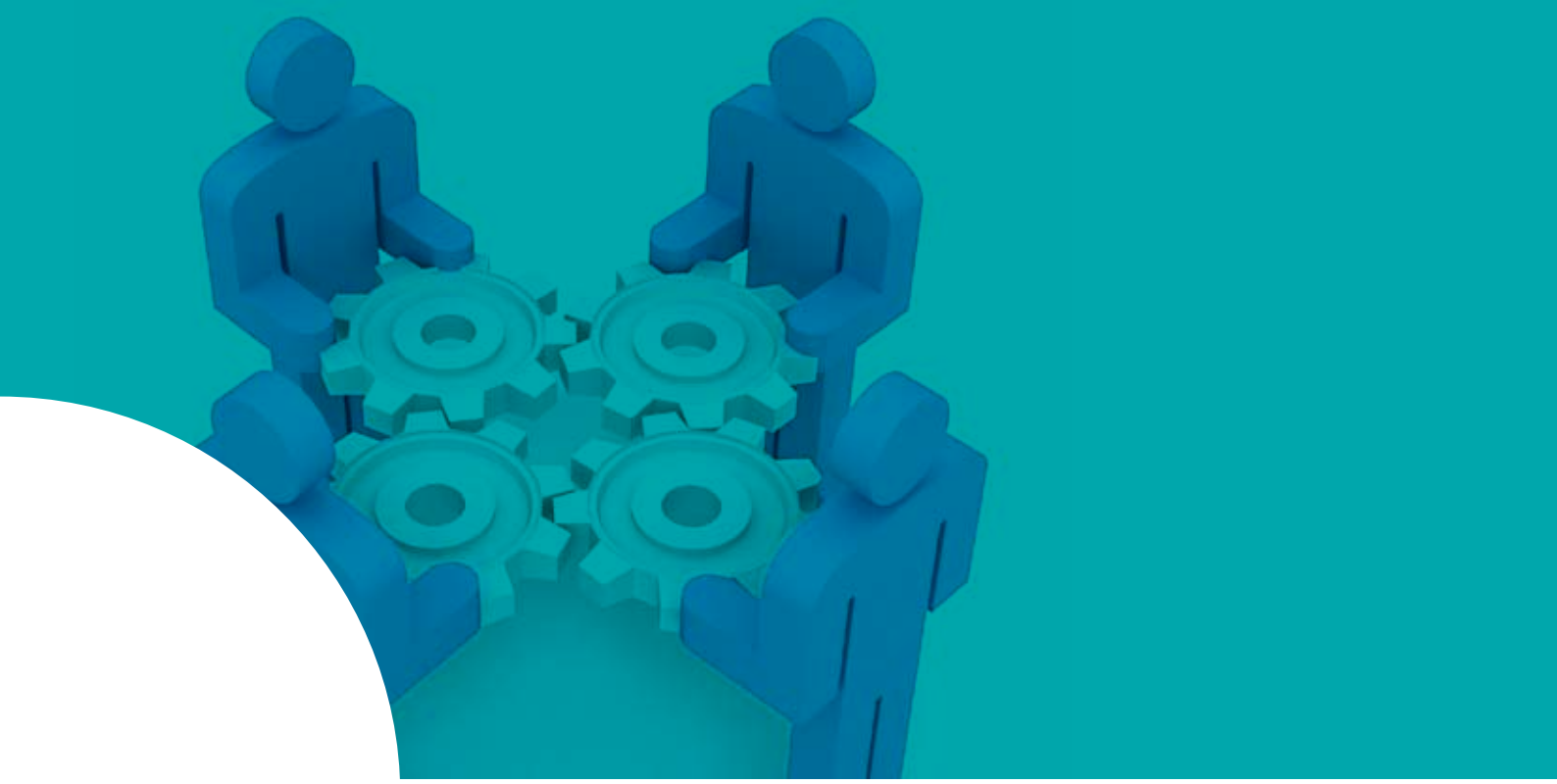
Integration into all patient file management computing systems.

Type of partnership sought

- Distribution agreement

Type of partner sought

- Small to medium sized company
- Large company
- University



SUPPORT **ORGANIZATIONS**

BEA

(THE BRUSSELS ENTERPRISE AGENCY)

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The Brussels Enterprise Agency (BEA) is the public business facilitator and stimulator for anyone wishing to start up or grow a business activity in the Brussels-Capital Region and, in particular, for projects with growth potential and of socio-economic interest. BEA offers its business, technology and legal competences to help validate and develop company projects. Its knowledge of both the Brussels and European business and institutional environment makes it the platform of reference for facilitating access to other public institutions and private bodies able to contribute to the success of these projects.

BEA fulfils its mission through two strategic approaches:

1. Universal information and guidance. BEA offers entrepreneurs and company creators a universal information and guidance service, or can direct them to suitable partners, thanks to quick, concrete, professional and multilingual assistance.
2. The stimulation of growth of high-potential projects via innovation and internationalisation in four priority sector business units: "Life Technologies", " Information and Communication Technologies, "Green Technologies" and "Sustainable Construction".

The objectives of BEA in these sectors are:

- To stay up-to-date on general knowledge about the target sectors, about the changes taking place in them and about opportunities and potential threats in terms of markets and technology development. To acquire and maintain detailed information in these sectors about the targets of innovative companies most likely to grow and, therefore, to create jobs, about the players involved in these targets and about their needs
- To initiate partnerships and get involved in networks at the regional, Belgian and international levels that can expand the BEA's services offering and increase growth opportunities for the targeted companies
- To initiate, structure and lead innovation-based clusters to increase the visibility of their members, promote Brussels know-how internationally, create synergies and structure joint projects
- To initiate and assist with the start-up and development of innovative projects and of high-potential companies through a tailored support service offering.
- To develop the growth potential of companies through innovation and internationalisation by mobilising regional and international support networks and mechanisms

Among other things, BEA leads the National Contact Point (NCP). The goal of this network is to promote participation by companies, researchers and other interested parties in the European Commission's Framework Programme for Research and Technological Development.

BEA is also the Brussels coordinator for the Enterprise Europe Network, via a consortium created by BEA and BECI (Enterprise Europe Brussels). The goal of this network is to facilitate and stimulate international business and technology partnerships and access to certain European funds. The "Life Tech" Business Unit offers companies and promoters of Brussels-based projects in the biotechnology, pharmaceutical and medical devices sectors special services such as the validation and determination of technological positioning; the validation and determination of competitive positioning; the validation of financial needs and financing strategies; the validation and determination of strategic directions and the identification and introduction of potential partners.

The "Life Tech" Business Unit developed the "Brussels Life Tech" cluster which focuses on three strategic areas:

- Visibility and communication of Brussels know-how in life sciences. For this purpose, it publishes a catalogue, distributed internationally, containing all of the value-added players in the Brussels-Capital Region. It also publishes a newsletter every quarter and updates the "Biopharmainbrussels.com" website.
- Internationalisation of Brussels-based companies via joint booths with Brussels-Export (Bio US, Medica, ...) and inter-cluster missions.
- Synergies between companies via the creation of joint projects.

BRUSSELS AGENTSCHAP VOOR DE ONDERNEMING

EEB
(ENTERPRISE EUROPE BRUSSELS)

Helping small businesses with the challenges that go beyond their familiar context: that is what the European Commission offers with **"the Enterprise Europe Network"**.

Young and very small companies often do not have the means or the time to stay informed about the different European support programmes. Neither can they fully exploit the new technological and commercial opportunities, especially outside their usual scope of action and local markets.

The "Enterprise Europe Network" wants to close precisely this gap. Building on an experience of more than 15 years, this network has been launched by the European Commission in 2008 as the one-stop shop where entrepreneurs can get information, advice and a vast array of personalized supporting services.

With its 500 local contact points and 4000+ experienced staff active in more than 40 countries (EU 27 + Armenia, Bosnia and Herzegovina, Chile, China, Croatia, Egypt, Iceland, Israel, Montenegro, Norway, Russia, Serbia, Switzerland, Syria, the former Yugoslav Republic of Macedonia, Turkey, USA), this is simply the biggest International service network for companies.

Even though it is open to companies and institutions of varying size and activities, the network is mainly focused on SMEs. Thanks to the network, entrepreneurs have the opportunity to:

- Promote, acquire and use innovation in the company
- Become faster and more efficiently active on an international level
- Get information and advice on European policy, law and norms
- Find quality partners across borders for commercial, innovation or research projects
- Get access to European projects and financing

These services are free of charge and are based on the "no wrong door" principle: a client may access the network through any network contact point; (s)he will then be either personally assisted or introduced to the relevant network partner.

In Brussels, the network is represented by "**Enterprise Europe Brussels",** a collaboration between the Brussels Enterprise Agency (BEA) and Brussels Enterprises Commerce and Industry (BECI).
"Enterprise Europe Brussels" helps companies and researchers of all sectors of industry and research, including in the field of medical technologies.

Technology e-mail alert service
You can register free of charge to our technology alert service and receive by e-mail the la-test technology offers and requests published in "the Enterprise Europe Network" in your sectors of interest by contacting Nadine Bettens.

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enterprise europe network
Business Support on Your Doorstep

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Together, **"Brussels Export" and "Invest in Brussels"** promote the internationalization of the Brussels economy.

"Brussels Export" aims to enhance and improve the export capacity of Brussels' companies by:

- offering customized assistance through its worldwide network of economic and trade representatives
- organizing collective promotional and prospection activities such as trade missions abroad, group stands at international exhibitions, seminars and invitations of foreign buyers and decision-makers
- granting financial incentives to companies tackling foreign markets
- providing strategic information on foreign markets and business opportunities

Brussels Export also helps foreign companies to identify well-targeted potential Brussels' business partners (have a glimpse at our database www.brussels-exporters.be).

"Invest in Brussels" prospects foreign direct investments and provides free, tailor made advice and consultation services to foreign companies that consider Brussels as a key destination for new economic activities.

Candidate investors evaluating the opportunity to set up (part of) their business in Brussels can benefit from the "Brussels Welcome Package": a fully equipped work space offered free of charge during a trial period of three months as well as tailored advice and information on tax regulations, site locations, public support incentives, environment and town planning legislation, sector related issues, ... through a network of dedicated experts in those various fields.

www.investinbrussels.com

AGORIA

Agoria is the federation for the technology industry. Agoria is Belgium's largest employers' organization and trade association and is financed by member contributions.

Our members are our driving force
Agoria is the partner of more than 1.500 companies in the technology industry. The federation's 230 employees provide the members with information, services and advice.

Our members are our strength
Agoria doesn't let the strength of its member companies go to waste. We help to shape policy at regional, Federal and European level in a bid to improve the social and economic climate for companies in the technology industry.

The health sector is an important market for several Agoria's member companies. Those companies have mainly developed activities in e-health and medical devices.

Agoria has developed various initiatives in order to help those members finding new opportunities and developping new products, services and/or solutions adapted to the health sector.

One of these initiatives is the "e-health platform" set up by Agoria ICT with as objective to promote innovation cooperation between ICT (economic) actors to the coming years, and thereby to contribute to the development and the implementation of products, services and solutions which can help the health care in Belgium and which offer maximum international export perspectives.

Concerning electronic medical devices, they are represented by Agoria Electrical engineering and electronics. As illustration of its dynamism, the federation is one of the founding members of MeLaRec which is in charge of the recycling of medical devices.

Another Agoria's initiative is "Hospibel", which is a network for companies specialized in the export of equipment and services for the medical sectors (medical devices, medical applications of ICT, engineering bureaus and infrastructure).

Hospibel aims at bringing together the exporting companies of the sector, to promote and represent the sector in Belgium and abroad, to encourage the exports of the sector and to provide the companies with export oriented services.

More information:
www.agoria.be/ehealth
www.agoria.be/hospibel

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E-health
Medical devices
Hospibel

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EEBIC (Erasmus European Business & Innovation Centre), the Brussels-Capital Region business and innovation centre was created in 1992. It has a comprehensive administrative infrastructure which enables you to start up your business under the best possible conditions.

EEBIC has very strong connections with academic partners who call upon its expertise in order to create spin-offs.

The ULB has a 30% stake in the SA EEBIC and is thus positioned as a privileged and active shareholder. The 6.600 m2 building which houses start-ups and where the EEBIC manages its activities is also the university's property.

Academic research resulting from the ULB's laboratories can be developed through the creation of university spin-offs. EEBIC owes its reputation in this field to the number of spin-offs thus created and the successful managerial orientation of the spin-offs conducted by its team and network of experts.

The EEBIC team is assisted by legal, scientific and management experts, in order to assess and support pioneering projects, which require specific skills.

Our scientific experts unsparingly offer their precious advice on emerging technologies:
- Biotechnology
- Chemical engineering
- Micro-electronics
- Positioning, management consultancy, patenting, ...

EEBIC provides you with a whole range of resources so that your project has the greatest possible chances of success. Apart from the preparation of a Business Plan, EEBIC offers assistance with regard to strategic positioning, day-to-day management, intellectual property protection, ...

Spin-offs created through the EEBIC:
- Bone Therapeutics
- Euro Heat Pipes
- Euroscreen
- Henogen
- Ovizio

FROM IDEA TO COMPANY

EDMA

(EUROPEAN DIAGNOSTIC MANUFACTURERS ASSOCIATION)

EDMA (the European Diagnostic Manufacturers Association) represents national associations andmajor companies engaged in the research, development, manufacture or distribution of In Vitro Diagnostic (IVD) tests in Europe. Through its membership, EDMA represents in total more than 500 companies (or over 700 legal entities) across Europe. The mission of EDMA is to raise awareness of the importance, usefulness and added value that diagnostic information can provide to healthcare. For this purpose, EDMA cooperates with European institutions, patients groups, trade associations, health professionals and academia to support an appropriate regulatory system, to work towards a realistic economic environment for healthcare in Europe and to be an effective voice in globalisation.

Description of the technology
Laboratory testing, In Vitro diagnostics.

Activities in Brussels
EDMA's Brussels-based office monitors EU initiatives and actively contributes to European policies of interest to the IVD industry and the overall healthcare industry.

Activities in other countries
EDMA represents 23 National Association Members and 42 Corporate Associate Members from across Europe. Members are engaged in the research, development, manufacture and distribution of IVD products in Europe.

Fields of Action
The main activities of EDMA include promoting the value of In Vitro testing in healthcare, supporting appropriate regulatory systems and improving the economic conditions in the market in order to ensure the continued supply of high quality, cost effective products. Through its activities, EDMA aims to create a level of awareness and business environment that ensures a leading role for IVDs in healthcare.

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EHTEL

(EUROPEAN HEALTH TELEMATICS ASSOCIATION)

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EHTEL (European Health Telematics Association) provides to its members a platform for information communication, representation, networking and co-operation in support of the implementation of information and communication technologies (ICT) in health and social care in Europe.

EHTEL believes that using ICTs in health and social care in Europe offers an unparalleled opportunity to revolutionize:

- The quality of health and social care services provided to patients and citizens
- The speed and ease of access to those services
- Their efficiency and cost effectiveness

The association brings together under one roof all of the constituencies with an interest in ICTs in health and social care:

- National and regional health authorities and systems
- Hospitals and other health institutions
- Public and private insurance providers
- Health professionals
- Health managers and executives
- Patients, citizens and consumers
- Industry
- Researcher and academics
- National and regional member-based organizations

Our Members benefit from exclusive and individualized EHTEL added values like:

- Networking within the EHTEL supported Working Groups
- Exchanging views with other stakeholder groups (ministries, health professionals, industry, insurers, patients, academics ...)
- Getting briefing papers for them influencing policies related to priority themes as addressed by EHTEL Task Forces
- Gaining visibility in the eHealth arena by:
  - Securing speaking slots in conferences
  - Putting papers forward in professional publications
  - Sponsoring EHTEL events
- Sharing field experience in eHealth deployment
- Obtaining individualized support in seeking for information

EHTEL
EUROPEAN HEALTH TELEMATICS ASSOCIATION

EUCOMED

Eucomed is the voice of the medical technology industry in Europe. Eucomed represents directly and indirectly 4500 designers, manufacturers and suppliers of medical technology used in the diagnosis prevention, treatment and amelioration of disease and disability. Small and medium size companies make up more than 80% of this sector. The European medical technology industry invests on average 5-6% of sales in R&D and employs near to 435.000 highly skilled workers.

The three fundamental objectives of Eucomed are the following:

- To secure a balanced and predictable regulatory framework
- To secure the medical technology sector's reputation and the leadership status of the association
- To secure a competitive and coherent health policy

Eucomed is a forum where all stakeholders interested in the provision of healthcare in Europe can find a natural partner representing a vital part of the European healthcare industry. Eucomed is pro-active in engaging with European issues. It seeks to develop a high quality consensus among its members on such issues and, when appropriate, to communicate these to EU decision makers and other interested third parties in a timely and useful manner. The activities of Eucomed and of its members must comply with the ethical standards of the association, and in particular the Eucomed Code of Business Practice.

Eucomed provides 'neutral' ground where companies meet to co-operate and develop programmes to achieve common objectives in the interest of the public. Senior healthcare professionals, who are experts in their field, give up their own time and expertise for the benefit of the whole sector.

Eucomed undertakes research and develops policy through a mixture of working groups made up of company and national association staff. Their role is to implement Eucomed strategies with the help of the Eucomed secretariat, under the control of the Eucomed Board and of the General Assembly.

Eucomed activities are divided into five departments:

- regulatory affairs
- science and innovation
- economic affairs
- public affairs and international
- affairs and communications and external relations

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Healthcare Belgium is a non-profit organisation established in 2007 by 11 top Belgian hospital groups. The organisation receives substantial support from Agfa Healthcare, Dexia Bank, the Federation of Enterprises in Belgium (VBO-FEB), the Virtual Colonoscopy Teaching Centre (VCTC) and Ion Beam Applications (IBA).

The concept of Healthcare Belgium resulted from a study published by the VBO-FEB under the title "Dare & Care". The initiative focuses on a unique Belgian blend of advanced technology and medical excellence available for patients and healthcare professionals.

Healthcare Belgium's mission statement is to establish a global image of excellence of Belgian health care solutions while respecting all aspects of quality of care and honoring the principles of solidarity that are typical to the Belgian health systems.

Healthcare Belgium's strategy is to establish and sustain a collaborative National health platform involving all key health players – for profit and not for profit – involved in health delivery, policy and administration – health product or services suppliers – scientific-, sector- and inter-professional associations in order to foster:

- Knowledge transfer and health capacity building through "best practice" exchange, education, project & business development
- A single dedicated mechanism to drive marketability and export for all health providers and suppliers
- A countrywide network through and for all key health players to enhance intra-National collaboration to enhance the local health offer abroad

www.healthcarebelgium.com

INDUTEC

InduTec has been created on the initiative of the 4 Brussels Industrial Engineering Institutes to provide a common and complementary technology transfer office (interface) to Brussels businesses.

The four Institutes represented are:

ECAM (Institut Industriel) - Haute Ecole Leonardo da Vinci
Master's Degrees in: Automation, Civil construction, Electromechanics, Electronics, Surveying Sciences and, ICT.

EHB (Erasmushogeschool Brussel) - Industrial Sciences & Technology
Master's Degrees in: Electromechanics (Aeronautics, Transport Technologies and Mechanical Design), Industrial Technologies - Electronics and Information Technology (Embedded Systems, Information Technology) and Industrial Technologies – Urbanism and Spatial Planning.

IM (Institut Meurice Chemistry - Biochemistry) - Haute École Lucia de Brouckère
Master's Degrees in: Chemistry (Analytical Chemistry and Environmental Engineering, High Polymers & Coatings), Biochemistry (Biochemical & Brewery Engineering, Food Technologies) and Pharmaceutical Biotechnologies.

ISIB (Institut Supérieur Industriel de Bruxelles) - Haute École Paul-Henri Spaak
Master's Degrees in: Chemistry, Electronics, Electrical Engineering, ICT, Mechanical Engineering (Aeronautic and Electromechanics) and Physics and Nuclear Engineering.

Through InduTec, more than 160 professors and researchers put their scientific know-how at the companies' service, drawing as well on various research centres or associated organizations/ bodies.

Acting as an external R&D centre for Businesses and Entrepreneurs, InduTec works in both directions:

- Finding industrial/business partners for technological innovations initiated in one of the Institutes when it becomes necessary
- Responding to any requests for research and/or consulting work from the industrial world through contractual research, industrial sub-contracting, collaborative Research and embedded labs

In addition to Electromedical equipments, the Institutes offer the following area of expertise available to research program and consulting services: Agro-food technologies, Biotechnological sciences, Electronics and ICT, Industrial and Material technologies, Medicine & Human health, Physical sciences & Measurements, Protecting man and Environment, Rational use of energy and, Transport technologies.

InduTec welcomes all collaboration, from the private inventor to the long standing companies, and acts in:

- Engineering processes
- Technological assessment
- Economical assessment
- IPR support
- R&D funding evaluation
- Technical prototype building
- Commercial prototype development
- Marketing plan
- Business plan

At InduTec, we match our engineers' potential and know-how with Industry's needs. This makes us the ideal working partner as far as developing projects that cover various fields of application (at regional, federal or European level) are concerned.

With regard to our partners (public and private), projects always occur in a "win-win" context since both sides of the collaboration aim at mutual satisfaction.

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ISRIB

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ISRIB (the Institute for the encouragement of Scientific Research and Innovation of Brussels) is a funding organization that encourages, promotes and supports scientific research and technological innovation at companies, universities and higher education institutes located in the Brussels-Capital Region.

The main goal of the Institute consists in increasing the economic activity of the Region and in developing local excellence.

ISRIB actions in favour of SMEs and large companies
ISRIB launches one to two call(s) for proposals a year. In this framework, ISRIB grants subsidies and repayable loans to support industrial research or experimental development projects. To benefit from this action, companies have to submit a proposal in which they present their project. This proposal is reviewed by experts (ISRIB scientific advisers and/or academic experts). Their reviews serve as basis for the funding decision.

Additional actions dedicated to SMEs
Beyond the R&D-funding, SMEs can benefit from regional funds if they want to delegate the carrying out of a feasibility study to a university, a higher education institute or a research centre.
The aim of this action is to enable SMEs to evaluate the industrial potential of an innovation before starting a more ambitious research or development program.
Finally, SMEs can benefit from regional funds for the deposition and enforcement of patent(s), upon condition that the related invention(s) originate(s) from projects funded by the Region.

ISRIB actions in favor of universities and higher education institutes
In the framework of the 'impulse" action, ISRIB funds cooperative research programs with a midterm economic goal. The research consortia are composed of teams of highest standard belonging to the universities, institutions of higher education and/or collective research centres located in the Brussels-Capital Region.

Three actions are currently in progress:
- the "impulse program" Environment
- the "impulse program" ICT
- the "impulse program" Life-Sciences

ISRIB actions in favor of researchers
The annual action "Spin-Off in Brussels" supports researchers who aim at creating a business out of the results of their research activities. This action consists in funding the development project as well as the economic education (i.e. Master in Business development) of the researcher.

With "Prospective Research for Brussels", IRSIB supports Ph.D. students and graduate researchers, whose work contributes to the development of the Brussels-Capital Region. The topics for eligible projects are defined every year in collaboration with the public authorities of the Brussels-Capital-Region.

Finally, with "Brains back to Brussels", ISRIB encourages high-level scientists from other regions or countries to engage in science and research in the Brussels-Capital Region.

Competence Centres
The support of competence centres aims at reinforcing the excellence of the Region.
- SIRRIS: Research, consultancy and assistance for Brussels technological industry
- Belgian Building Institute (BBRI): Research and assistance in the construction sector
- BRUFOTEC: Assistance and consultancy for the food industry

Research in Europe
ISRIB advises the Brussels authorities on questions related to Belgian, European and international research policy. This contribution is based on its expertise and knowledge of the regional research area.

Moreover, ISRIB takes part in the Belgian decision-making process in research policy:
- participating in the International Cooperation Committee ("CIS")
- following up the European Research programmes (i.e. FP7)
- organizing the Brussels network of the national contact points (NCPs)

MIM

(BELGIAN SOCIETY FOR MEDICAL INFORMATICS)

MIM (Belgian Society for Medical Informatics) was established in 1974 to promote and develop medical information science and technology in Belgium. It is a national bilingual (French and Dutch) society consisting of about 150 members, all involved or interested in the use of computers and telematics in the health-care environment. The administrative board includes 15 members (physicians, engineers and computers specialists) from academic institutions, hospitals, computers and the software industry.

The "MIM" is a scientific society. Its major activities focus on improving communication among researchers and developers in the field of medical computing and telematics. It is also the place of choice where problems related to the role of medical informatics in society and its ethical aspects are discussed.

International related medical informatics societies:

- The MIM is the Belgian member of EFMI (European Federation for Medical Informatics) and of IMIA (International Medical Informatics Association). As such, the MIM is involved in the setting up of whose congresses, scientific events and publications
- The MIM cooperates closely with the Dutch (VMBI), French (AIM) and Swiss (SSIM) medical informatics societies to organize annual scientific meetings: the "Medish Informatica Congres" (MIC) and the "Journées Francophones d'Informatique Médicale" (JFIM) .

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UDIAS

(PROFESSIONAL ASSOCIATION OF DISTRIBUTORS AND PRODUCERS OF LABORATORY EQUIPMENT)

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UDIAS, the Professional Association of Distributors and Producers of Laboratory Equipment, was founded in 1936.

Now UDIAS is a non-profit organization that represents over 70 companies. With their products, services and specialities they contribute to the development of the Belgian market, the quality of our environment, our healthcare, the quality of our food and the development of new technologies.

UDIAS also organises Laborama, trade show for the laboratory sector.

The members of UDIAS are multinational companies as well as small and medium sized companies that distribute laboratory equipment in Belgium.

The equipment includes instruments and apparatus for analysis, fermentation, chromatography, spectrometry, optical equipment, balances, centrifuges, thermostatic baths, shakers and stirrers, titration equipment, reagents, consumables. In short the full equipment for a laboratory.

Product Categories	Areas of application
■ Equipment	■ Environment
■ Peripherals	■ Food and beverage
■ Reagents	■ Biotechnology
■ Analytical Instruments	■ Pharmaceutical industry
■ Chemical Products	■ Health sector
■ Automation Systems Industrial Medicine	■ Industrial medicine
■ Laboratory Equipment	■ Energy Sector (*)
■ On-line analysis	■ Polymers and composites
	■ Metallurgy
	■ Space research
	■ Transport
	■ Recycling and waste material
	■ Criminology
	■ Sports and sports medicine

(*) gas, electricity, nuclear industry

UDIAS

UNAMEC

UNAMEC is the recognized professional association and represents Producers, Importers and/or Distributors of medical devices and equipment.

UNAMEC occupies a transversal position comparing to the traditional federations. Indeed, the medical devices are produced by the chemical or textile industry, by the processing industry for metal or paper, etc. UNAMEC does not have the intention to replace the professional organizations in these sectors for their traditional tasks (social aspects, ...): UNAMEC's task is concentrated on the specific medical aspects where regulations generate a common interest among the members.

Objectives

According to the articles of association, UNAMEC strives for the following objectives:

- The representation and defence of the common position of the sector concerning problems of general interest for the profession towards regional, national and international organizations
- The promotion and protection of the professional, economic, social, legal and moral interests of its members
- To maintain and encourage the spirit of solidarity and professional co-operation among the affiliate
- To insure at any time the circulation of important information
- To take all necessary initiatives to promote the sector

The practical translation of this statutory terminology is that UNAMEC is recognized by the Belgian authorities as a representative and negotiating body; amongst others:

- The Ministry of Economic Affairs
- The Ministry of Social Affairs
- The Ministry of Finance
- The National Institute for Reimbursement (INAMI-RIZIV)
- The Belgian Institute for Normalization (Normalizatie Bureau Normalization): in order to comply with the European Directives a lot of normalization work is done on European (CEN) and international level (ISO). UNAMEC, as sector operator, occupies here a major role: nominates Belgian experts/delegates, transmits information and participates actively in the decision making

Except from the relations with these official institutions, UNAMEC is also actively engaged in the defense of the common commercial interests of its members, assuring for example:

- A regular follow up of the private and public hospital payment terms
- The redaction of a "charter for the optimal organization of congresses with presence of stands" to the attention of the organizers of congresses
- The realization of market inquiries among the members
- Representation

UNAMEC was created on the sixth of March 1959 as a recognized professional association. In 1987 it was transformed into an association without pursuit of profit, so could be engaged. This professionalization was translated in a growing efficacy and impact, generating a rapidly growing number of members.

The 200 members that UNAMEC counts on 31.12.2009, represent a turnover of at least 3,3 billion € on the Belgian market as well as an employment of about 17.000 persons.

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