INNOV/ACE

2012

NATIONAL INNOVATION
OFFICE

INNOV/ACE

Hungary and Hungarian creativity have been well known throughout the history of innovation. Hungarian inventors' products have changed our everyday lives and had a strong impact on the world economy, as well. This heritage is binding in the present and in the future too.

At the National Innovation Office our mission is to represent the Hungarian potential in research, development and innovation abroad to a wide international audience and to the representatives of the business sector.

In InnovAce we have gathered the most promising Hungarian innovative companies and their most promising products, services and innovations. InnovAce tries to symbolize the variety of Hungarian innovative companies: it highlights business profiles from infocommunication to biotechnology.

As you see, the design of InnovAce allows us to expand the number of business profiles, which we will do continually. The reason is simple: in the field of innovation a new rising star appears from day to day.

We hope InnovAce will greatly help you to get to know some of the most promising innovative companies in Hungary.

Business Solutions

Media

Healthcare

Industry

Mobile Services

BUSINESS SOLUTIONS

BASIC INFORMATIONS

Company name: **TCT Hungary Ltd.**

Year of establishement: **1995**

Share capital: **5 000 000,00 €**

Industry: **Infocommunication**

Company profile:
TcT Hungary Ltd. has been one of the most intensive innovators on the information technology field of Hungary for over 15 years. Our research lab has been the cradle of several highly innovative, award-winning solutions, used by the largest enterprises in the telco, financial and utility sectors.

Contact person:
      Telehone: (36)1/464-6160
      Cell phone: (36)20/925-2624
      E-mail: gyorgypal.laszlo@tct.hu

Compay web: www.tct.hu

Short description #1

As a result of a 3 year long R&D program, JobCTRL is dedicated to provide a unique solution for enhancing corporate productivity. Companies who use JobCTRL have reported achieving a 30 % growth in economic efficiency. The system greatly contributes to the support of the management's work as it is able to reduce the amount of time spent on leadership tasks by half.

Innovation content #1

JobCTRL combines methodology, software and service to boost work efficiency, provide accurate data about work progress, and reduce idle time in organizations in different industries. The innovative approach is based on authentic measurement, dependable monitoring and reliable reporting of all the work processes of a company.

Awards #1

Innovation TechShow Grand Prize (2012)

Short description #2

During every phone call CallMix, the revolutionary communication platform and tool, displays the content of all the other communication channels (Facebook, Twitter, blog, web-page, etc.) relevant to the other party on any digital surface available to the callers. This way a new level of communication experience is achieved by automatically providing the communicating parties with a wide range of information.

Innovation content #2

Telephony has significant limitations in transferring visual information between the parties or about the parties during a phone call. CallMix innovatively associates the two independent communication channels: internet and telephony, both having their own standards, channels and signaling methods, and based on an event in one, triggers an event in the other. As a result every phone call is enriched by content to a level never achieved before.

Awards #2

Innovation TechShow Grand Prize 2010, itBusiness Leadership Award 2011

NETvisor

BASIC INFORMATIONS

Company name: **NETvisor Plc.**

Year of establishement: **1998**

Share capital: **5 210 894,00 €**

Industry: **Infocommunication**

Company profile:
NETvisor is a highly specialised system integrator with a strong focus on value added ICT operation support systems and IT management solutions. NETvisor's business model is to be a leader in researching and learning state-of-the-art technologies, and in developing and applying new solutions.

Contact person:
      Telehone: (36)1/371-2700/735
      Cell phone: (36)30/568-2970
      E-mail: eva.ligety@netvisor.hu

Compay web: www.netvisor.eu

Short description #1

PerformanceVisor is an IT Operations Performance Monitoring Tool for Enterprises, Equipment Vendors and Service Providers. It ensures effective operation and high availability for ICT systems, since it identifies performance degradations and problematic levels of resource utilization. PerformanceVisor provides historical reporting, trend analysis and the capability to forecast demands, and aids the fault localization and troubleshooting processes (www.netvisor.hu/en/pvsr.html).

Innovation content #1

PerformanceVisor is designed to monitor large, heterogeneous environments providing insight into the network, infrastructure, operating system and application level. Unlike other monitoring applications it provides real-time diagnostic tools to pinpoint and correct errors in the monitored infrastructure. Its friendly licensing policy yields an attractive price-performance ratio, which is exceptional in the performance management application market. It is used by more than 80 customers worldwide.

Awards #1

Cisco Solution Innovation Award 2008
(www.netvisor.hu/en/news/feedback/Cisco_award_2008.html)

Short description #2

Smart Strategic Planner (SSP) is an FTTx Strategic Network Planning and Cost Evaluation Tool to Support Business Case Analysis & Techno-economic Decisions for Service Providers and Equipment Vendors. It provides automated FFTx topology design functionality. SSP is capable of determining the optimal FTTx architecture for large scale scenarios, allowing you to choose the most cost-effective solution from among various topological and technology alternatives (www.netvisor.hu/en/ssp.html).

Innovation content #2

SSP is an object oriented and GIS based network design tool covering the lifecycle of the FTTx networks from the strategic planning though the implementation plans to the network inventory. It is a unique tool in its complexity, supporting the transformation of telecommunication infrastructures from copper to fiber. SSP is highly customizable to comply with various network technology standards/regulations and to use sophisticated cost models. NETvisor offers SSP even integrated into OSS systems.

BASIC INFORMATIONS

Company name: **Dolphio Consulting Ltd.**

Year of establishement: **2004**

Share capital: **10 744,00 €**

Industry: **Infocommunication**

Company profile:
Ever since it was founded in 2004, Dolphio Consulting Ltd. has engaged in R&D and related consulting in the topics of information technology. Our expertise includes computer vision, data mining, software and mobile application development, high performance computing.

International markets:
USA
Chech Republic

Contact person:
Telehone: (36)20/957-1577
Cell phone: (36)20/957-1577
E-mail: foldes.peter@dolphio.hu

Compay web: www.dolphio.hu

Short description #1

CounterGuard is an automatic people counting solution based on stereovision technology. Our solution measures with 98% accuracy the number of people entering and exiting any location with definite entrances, thus it provides real-time information on the number of people actually staying inside. Application fields: Passenger counting on public transportation vehicles, footfall measurement in department stores, Safety management (real-time alerts in case of overcrowding) for clubs and festivals.

Innovation content #1

By using unique pattern recognition algorithms to count the heads of people passing by, we developed a robust solution with higher accuracy (98%) than the commonly used infrared solutions (85-90%). In the field of accuracy, only the "time of flight" cameras are competitive with our solution but on average they are twice as expensive, because our technology works with less expensive hardware.

Awards #1

As a computer vision specialist, the company was listed on Deloitte's Technology Fast 50 Eastern Europe 2011 ranking

Short description #2

Sign language recognition system is able to translate sign language automatically to spoken languages by using cameras. The system works near real-time, thus it could be applied in customer service offices (e.g. public administration, banks and other financial institutions) where human sign language translators are rarely available. The development of the product is expected to finish by the end of 2012.

Innovation content #2

Though there are solutions which can translate spoken language into sign language, there is no solution on the global market which can translate in the other direction, so our solution will be the first when we enter the market. The key innovation was to create a markerless solution so the sign language speaker does not need to wear any special equipment to use the system.

Awards #2

As a computer vision specialist, the company was listed on Deloitte's Technology Fast 50 Eastern Europe 2011 ranking

GRAVITY
Rock solid recommendations

BASIC INFORMATIONS

Company name: **Gravity Research & Development Ltd.**

Year of establishement: **2007**

Share capital: **30 000,00 €**

Industry: **Infocommunication**

Company profile:
Gravity serves major clients on 3 continents with over 100 million recommendations daily. Gravity provides the best-in-class, personalized marketing solutions for IPTV/CATV and e-commerce that help businesses connect to their users and to substantially boost the revenues of our corporate clients.

International markets:
USA
CAN
GB
RU
PL

Contact person:
Telehone: (36)1/432-3141
Cell phone: (36)30/547-0780
E-mail: domonkos.tikk@gravityrd.com

Compay web: www.gravityrd.com

Short description #1

IMPRESS is a recommender solution for IPTV/CATV content providers delivering personalized content to multi-screen devices. Key functionalities: recommendation of any content type (live/EPG program, video-on-demand, advertisement, games, music, etc), advanced personalized search, automatic recording, behavior based ad targeting. Powerful management dashboard for business & filtering rules, and reporting interface. Integrates with Microsoft Mediaroom, NDS, Nagra, Nokia-Siemens Networks.

Innovation content #1

Key features: (1) adaptive learning algorithms ensuring more accurate recommendations with each user interaction for more user engagement; (2) omni-screen potential with personalized TV experience across multiple devices (TV, tablet, desktop, phones); (3) advertising- and t-commerce-loaded, enabling content providers to maximize revenue by personalizing ad serving and t-commerce offers; (4) cognitive navigation with less browsing & searching for faster discoveries, more content consumption.

Awards #1

Recommender start-up of the year 2008 with IMPRESS (www.recsys.acm.org/2008/news.html)

Short description #2

RECO is a personalization platform provided as a software-as-a-service solution for internet businesses. RECO increases click-through-rate, average basket size, user satisfaction and retention, and customer loyalty. Omni-market capabilities with successful application for classified, auction, coupon, dating, video streaming and regular basket based online businesses. Dashboard solution enables laser-precise targeting rules. Cross-domain recommendations. Configurable recommendation logics.

Innovation content #2

RECO is a personalization platform provided as a software-as-a-service solution for internet businesses. RECO increases click-through-rate, average basket size, user satisfaction and retention, and customer loyalty. Omni-market capabilities with successful application for classified, auction, coupon, dating, video streaming and regular basket based online businesses. Dashboard solution enables laser-precise targeting rules. Cross-domain recommendations. Configurable recommendation logics.

Awards #2

International Classified Media Association, innovation award (www.goo.gl/bhTMO)

Multipass Solutions Zrt.

BASIC INFORMATIONS

Company name: **Multipass Solutions Plc.**

Year of establishement: **2011**

Share capital: **16 070,00 €**

Industry: **Infocommunication**

Company profile:
Multipass Solutions is an independent software vendor and consultancy with broad experience in Enterprise Content Management (ECM). Focusing on large enterprises and the government sector, we offer a broad range of solutions to lower our clients' costs and raises the value of information available across disparate IT platforms.

International markets:
GB
USA
UEA
SI

Contact person:
Cell phone: (36)20/585-6800
E-mail: kovacs.reka@ecmc.hu

Compay web: voyager-cmx.eu

Short description #1

Voyager CMX is a highly efficient platform for every in-house content management team. Designed to operate in fully scalable, virtual environments, it provides the glue between independent, disparate systems providing structured connectivity between CMS platforms, file, e-mail and database servers allowing business sponsors to discover, index and retrieve valuable digital information.

Innovation content #1

Voyager CMX is a combination of several components providing a flexible and user-friendly solution for common ECM challenges. Its uniqueness comes from the endless customization opportunities, the arbitrary combination possibilities and the ability to manipulate data and content at the same time. Voyager CMX is able to connect to not just one, but to all the top ECM systems (e.g. EMC Documentum, Microsoft Sharepoint) providing reliability, scalability, monitoring and maintainability.

MOBILE SERVICES

Short description #2

INVITO enables you to manage and take part in all the business decisions and workflows from handheld devices, making business processes more efficient. It provides secured, structured remote access for a wide range of mobile devices to commercially available software. INVITO uses each device's integrated network adapters to access a wide range of transport protocols. In addition, it supports all releases of Blackberry OS, Apple IOS, Windows Phone and Google Android.

Innovation content #2

With INVITO you can access and manage all your documents and business processes from your mobile devices and reduce time-to-decision and take part in the decision workflow with the help of your mobile device. There is no other solution in the market, like INVITO, that features similarly complete vision and functionality, runs on all significant business mobile platforms, connects to all top ECM platforms serves the need of document management and decision support at the same time.

Awards #2

BlackBerry EMEA Innovation Awards (2010)
– finalist in "Transforming Enterprise Business Performance"
Hungarian Telekom Innovation Competition (winner)

IND

fut**ur**e-**banking**

BASIC INFORMATIONS

Company name: **IND Ltd.**

Year of establishement: **1997**

Share capital: **87,24 €**

Industry: **Infocommunication**

Company profile:
IND Group is an internet banking, personal finance management (PFM) and mobile banking technology vendor for financial institutions. We are strongly focusing on the customer experience; our product portfolio was designed to meet the high user expectations of the 21st century.

International markets:
DE
GB
RO
Pl
SK

Contact person:
Telehone: (36)1/373-0623
Cell phone: (36)20/771-7448
E-mail: erika.moczok@indgroup.eu

Compay web: www.indgroup.eu

Short description #1

IND PFM: Besides everyday banking, customers also use the internet to manage their finances, including insurance, credit, and investments. IND Personal Finance Manager takes banks closer to their customers and therefore builds trust and uncovers new sales opportunities.

Gamification is a concept that can help to reach these goals by motivating customers towards positive behaviours. IND brings this concept to banks and makes their e-banking an interesting game and a fun platform that sells.

Innovation content #1

- ‣ Can be integrated to any existing e-banking system,
- ‣ User friendly GUI, based on state-of-the-art technology,
- ‣ Easy-to-understand visualizations,
- ‣ Up to 95% automatic categorization,
- ‣ No additional load on core banking or existing e-banking,
- ‣ Mobile Channel integration.

Short description #2

IND Banking App. - The introduction of Apple iPhone shook up the mobile phone industry and changed user expectations towards Banking Applications. Smartphones are also revolutionising the way people use mobile phones: besides making calls and SMS-s, people browse the Web, read newsfeeds, join social networks on their phones. This trend of behaviour requires adaptation from all players: software vendors and service providers as well. IND Banking App is an example of such apps, and even more.

Innovation content #2

- ‣ Banking App is a part of a complete electronic banking front-office solution,
- ‣ Cross-platform approach in a better way than others,
- ‣ Mobile-optimized ergonomic design to make mobile users happy while banking,
- ‣ Security scaled to the strict banking requirements.

BASIC INFORMATIONS

Company name: **Sense/Net Inc.**

Year of establishement: **1995**

Share capital: **35 815,00 €**

Industry: **Infocommunication**

Company profile:
Sense/Net makes Sense/Net ECM, an Open Source Enterprise Portal and Enterprise Content Management system for the .NET platform, for building internet, intranet and extranet sites.

International markets:
USA
UK
CA

Contact person:
Telehone: (36)1/464-7070
E-mail: biro.tamas@sensenet.com

Compay web: www.sensenet.com

Short description #1

Sense/Net ECM is an Open Source Enterprise Portal and Enterprise Content Management system for the .NET platform, for building internet, intranet and extranet sites that users dream of. It is for progressive thinkers who want to increase the efficiency of their business. This high performance platform allows customers to build an information system that makes all their stakeholders happy. It also gives customers the best bang for buck, because they only pay for support when they need it.

Innovation content #1

Sense/Net is the only Open Source ECM for the Microsoft ASP.NET platform. Sense/Net integrates the functionality of an Enterprise Portal System (EPS) and an Enterprise Content Management System (ECMS) in one software suite. Sense/Net has brutal performance (capable of handling hundreds of millions of documents) and is customizable in the extreme.

novinex

BASIC INFORMATIONS

Company name: **NOVINEX Ltd.**

Year of establishement: **2005**

Share capital: **10 744,60 €**

Industry: **Security research and development**

Company profile:
NOVINEX assists investors to find innovative R&D teams in Hungary. We offer the most promising projects with strong market potential. Through grounded business planning and a worldwide marketing strategy we help to turn research results into outstanding investment opportunities.

International markets:
FI
GB
DE
CN
IN

Contact person:
Telehone: (36)1/205-3098
Cell phone: (36)30/ 940-1457
E-mail: zoltan.hornak@novinex.hu

Compay web: www.novinex.hu

Short description #1

With a research and development background, specific expertise and wide-ranged professional contacts, NOVINEX Innovation Agency assists investors to find innovative R&D teams at academies, small and medium sized enterprises and spin-off companies. We maintain a portfolio of carefully selected projects, where your investment risk is minimized by thorough and reliable technical assessment, feasibility studies and grounded business planning.

Innovation content #1

NOVINEX offers a wide range of Innovation Management Services ranging from pre-investment preparation through start-up up to rump-up activities:

- ‣ assessment and evaluation of research and development projects,
- ‣ defining marketable products and successful business models,
- ‣ conducting competitor analyses and market studies,
- ‣ Elaborating business plans supported by a marketing strategy and a development plan,
- ‣ establishing and starting-up a company,
- ‣ executing worldwide on-line marketing activities.

SLMbox

BASIC INFORMATIONS

Company name: **SLMbox Ltd.**

Year of establishement: **2010**

Share capital: **66 225,00 €**

Industry: **Infocommunication**

Company profile:
The main objective of SLMbox Ltd. is to deliver the most powerful product in the field of Service Level Management. Our software product the SLMbox is capable of measuring, analyzing and monitoring your company's IT or business related services. It helps you to reach outstanding service quality.

International markets:
USA

Contact person:
Telehone: (36)1/299-0225
Cell phone: (36)30/334-1016
E-mail: mihaly.kovacs@slmbox.eu

Compay web: www.slmbox.eu

Short description #1

SLMbox is a business intelligence software product. It was developed on the basis of ITILv3 standards and it focuses on Service Catalog, Service Level and Service Portfolio Management. It is a stand alone software product that can measure and analyze trends, and create customizable reports regarding any company's services. The software has a top-down approach, which means, that it can connect to any business environment.

Innovation content #1

SLMbox is the first business intelligence product on the market that focuses purely on Service Level Management. The product generates warning messages to prevent service level breaches, it can be used as a service level monitoring tool and it can assess the performance of our services in the form of service level reports. It ensures complete transparency of the IT and business services in a corporate environment.

Awards #1

2011 European IT Excellence Award, 2010 Innovation Grand Price 2010,
IT Business Leadership Award

metapay

BASIC INFORMATIONS

Company name: **Meta-MPI Ltd.**

Year of establishement: **2010**

Share capital: **374 101,00 €**

Industry: **Financial services**

Company profile:
Metapay is a cash replacement service that provides fast and cost-effective solutions to both corporate and retail partners. It enables substituting traditional cash transactions, for a state-of-the-art, safe method at any location – festivals, shops, or platforms like mobile phones or internet.

Contact person:
Telehone: (36)1/391-7240
Cell phone: (36)30/308-3789
E-mail: szakmary.sandor@metapay.hu

Compay web: www.metapay.hu

Short description #1

Metapay Festivalcard® is an RFID closed loop electronic voucher used at live events. Festival cards can be topped-up at special top-up points and used all around the events on contactless POS terminals. The solution enables visitors to spend money much faster, safer and in a more convenient way. Merchants don't have to handle cash: it's cleaner, faster and much more secure. Event organizers can monitor visitors' spendings and can secure its sponsorship income while opening new income channels.

Innovation content #1

Metapay was the first private company to offer such a solution on the international market. The Festivalcard solution is not just a technical innovation, the whole process of making an event cashless (from the planning phase until the local operation) is a brand new 'philosophy' for event organizers. Metapay is not just providing the technical background but offering consulting and operational services.

Awards #1

Industrial Innovation Award by the Ministry of National Economy of Hungary (2012) (www.innovacio.hu/3b_hu_2011_dijazottak.php)

BASIC INFORMATIONS

Company name: **CODES Ltd.**

Year of establishement: **1996**

Share capital: **11 000,00 €**

Industry: **Infocommunication**

Company profile:
Development in logistics, ERP, production scheduling based on database technologies and object-oriented programming, using the results of modern mathematics as well.

Contact person:
Cell phone: (36)70/311-2075
E-mail: 06703921069@vodafone.hu

Short description #1

Smart Java program system backed by SQL DB technologies for the daily planning and analytical activities at small enterprises. The main components include: CRM (customer and order management, confirmation, shipment, billing); managing technological data such as BOMs (bill of material) and so on; ERP (enterprise resource planning); scheduling of production; statistics and analytics; forwarding data sets to book keeping.

Innovation content #1

The corresponding business processes are implemented in a simple, intuitive manner, no need to define them in large documents. The core technology combines the higher demand on security with the advantages of modern internet technologies. The functionalities are already tested with a variety of market leading SQL databases as background.

BASIC INFORMATIONS

Company name: **Catura Plc.**

Year of establishement: **2011**

Share capital: **33 340,00 €**

Industry: **Infocommunication**

Company profile:
Catura Zrt. aims to support building or reengineering IT systems to meet the requirements of organizational complexity and business logic. We offer added value at strategic planning and project definition as well as at testing and analyzing IT systems.

Contact person:
        Telehone: (36)1/203-2250
        Cell phone: (36)20/927-6870
        E-mail: csurgai.gabor@catura.hu
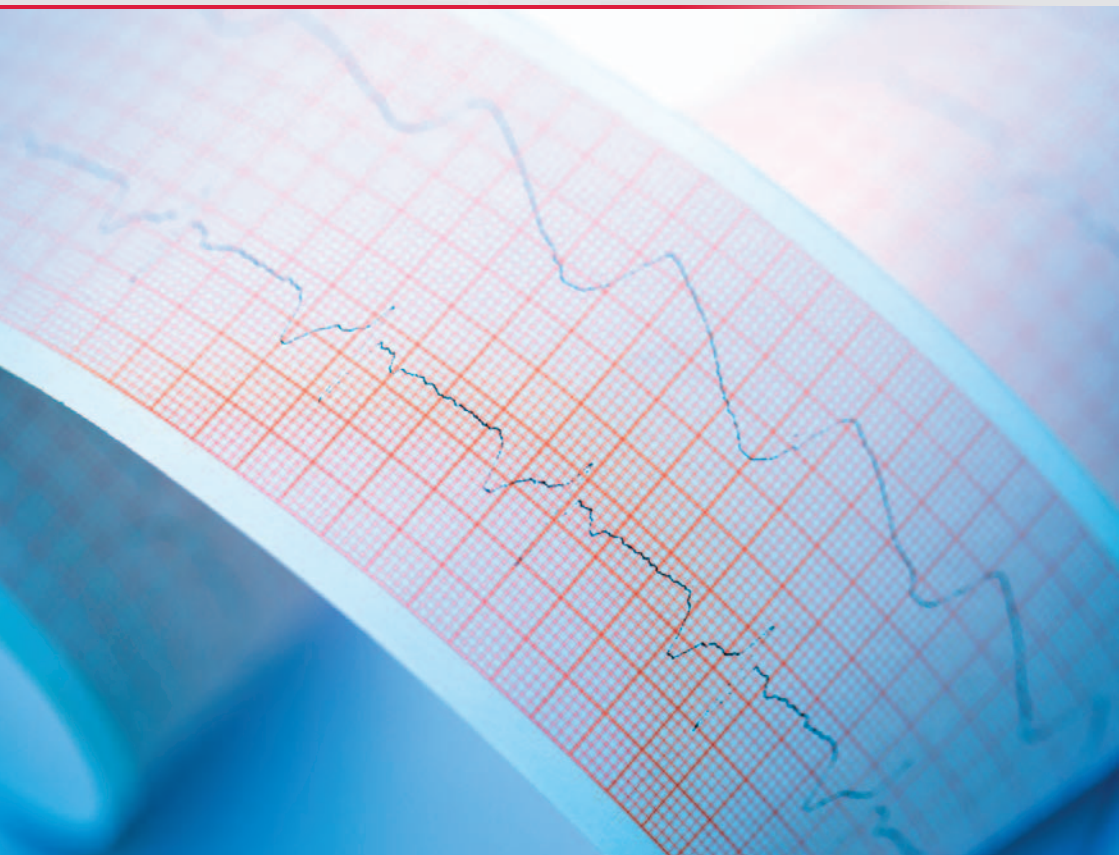
Compay web: www.catura.hu

Short description #1

The key element of our technology is an innovative combination of test automation tools and a methodology for analyzing IT systems that offers a new approach to the quality assurance procedure concerning enterprise application development.

Innovation content #1

A new and cost effective way of formalizing the business logic of enterprise IT applications. A part of it is a special tool set for discovering that business logic. A complex and extensive automated testing of enterprise IT applications' functionality offers real quality assurance.

HEALTHCARE

BASIC INFORMATIONS

Company name: **Femtonics Ltd.**

Year of establishement: **2005**

Share capital: **10 000,00 €**

Industry: **Biotechnology**

Company profile:
Femtonics focuses on the research and development of laser scanning microscopes for (neuro)physiological investigations. Microscopes are tuned for the fastest 2D and 3D optical measurements and are especially suited for brain research and pharmaceutical development.

International markets:
EU
CAN
USA
AU
TAIWAN

Contact person:
Telehone: (36)1/210-3349
Cell phone: (36)30/394-7978
E-mail: dorinag@femtonics.eu

Compay web: www.femtonics.eu

Short description #1
Femtonics two-photon microscopes use pulsed red-shifted excitation light to excite fluorophores and are well-suited for the imaging of live cells in deep tissue regions both in 2D and 3D. Longer wavelengths are scattered to a lesser degree which is a benefit to high-resolution imaging. In addition, these lower-energy photons are less likely to cause damage. Femtonics developed microscopes for imaging cell cultures, tissue slices and also live animals.

Innovation content #1
Femtonics is currently working toward better and higher resolution multiphoton imaging in 3 dimension with the application of acousto-optic deflectors. Using ultrasound waves these special AOD crystals could be used to deflect IR light with a very high speed. With this technique we are able to scan more than 500 cells together and the parallel measurement of intracellular signalling is also possible.

Short description #2
The Femto2D product range includes our basic two-photon microscope setups. Although it is a product line, it also serves as an appropriate ground for developing customized laser scanning microscope systems. Our Femto3D-RC microscope makes possible 3D measurement in a relatively large volume facilitating fast scanning of individual cells, cellular processes. The Femto3D-AO microscope series point towards to the scanning of several hundred cells together with a relatively large speed in 3D.

Innovation content #2
We developed an acousto-optic two-photon microscope with continuous 3D trajectory and random-access scanning modes that reaches near-cubic-millimeter scan range and can be adapted to imaging different spatial scales. We demonstrated the use of the microscope for imaging neuronal populations in vivo by 3D random-access scanning of Ca2+ transients in hundreds of neurons in the mouse visual cortex at 80 Hz.
(http://www.nature.com/nmeth/journal/v9/n2/full/nmeth.1851.html)

Awards #2
The National Intellectual Property Office's 2011 Innovation prize
(http://femtonics.eu/index.php?cont=news)

VICHEM CHEMIE
THE KINASE INHIBITOR COMPANY

BASIC INFORMATIONS

Company name: **Vichem Chemie Research Ltd.**

Year of establishement: **1999**

Share capital: **18 565,00 €**

Industry: **Biotechnology**

Company profile:
Vichem is a Hungarian biotech research company focusing on signal transduction therapy with kinase inhibitors based on its "Nested Chemical Library". Our medicinal chemistry research team is highly specialized in developing drug candidate protein kinase inhibitors.

International markets:
DE
USA
IT
HR
ZA

Contact person:
Telehone: (36)1/487-2083
Cell phone: (36)30/222-3241
E-mail: gykeri@vichem.hu

Compay web: www.vichem.hu

Short description #1

We offer a focused drug development project for a novel antiepileptic drug-candidate which targets a steady niche market. Our brand new approach promises the treatment not only for the traditional epileptic cases but also the ~30% of epilepsy cases which are irresponsive to current antiepileptic therapy. The size of the current antiepileptic drugs market was more than 11.3 billion US dollars in 2008 (collective product sales). Therefore, the potential market of our novel compounds is huge.

Innovation content #1

Epilepsy can only be controlled but not cured with currently marketed drugs. In addition, 30% of the seizures remain uncontrolled by current medication. Our novel compounds seem to be proper candidates for targeted molecular therapy in order to develop new antiepileptic and anticonvulsant drugs that actually cure the disease. The lead molecules were examined in vivo and showed excellent antiepileptic effects. In a 28-day toxicity study no toxicity was observed.

Short description #2

According to the widely accepted cancer stem cell concept it is possible to eradicate entirely the targeted tumour and to prevent metastasis and remission. Our goal is to develop drugs that can eliminate certain types of cancer from a particular patient forever, via killing differentiated cancer cells and even cancer stem cells with the efficient inhibition of certain survival factors, thus inducing apoptosis. This therapeutic approach will be accompanied by sophisticated molecular diagnostics.

Innovation content #2

The main problem with any type of cancer treatment is that malignant cancers may re-grow after a while. Current anti-cancer drugs can extend a patient's life by years, but the chance of metastasis and remission is close to 100%. With this new approach these drawbacks can be avoided, cancers can be cured and a permanent good life quality can be assured for the patients.

**TECHNOORG
L I N D A**

BASIC INFORMATIONS

Company name: **Technoorg Linda Ltd.**

Year of establishement: **1991**

Share capital: **69 875,00 €**

Industry: **Measuring instruments**

Company profile:
Technoorg Linda Ltd. is operating in several fields of nanotechnology. The main activity of the company is developing and manufacturing of ion technology based instruments for extended use in specimen preparation and depth profiling connected to transmission- and scanning electron microscopy.

International markets:
JP
IN
KR
AUS
USA

Contact person:
Telehone: (36)1/479-0609
Cell phone: (36)30/984-5367
E-mail: d.szigethy@technoorg.hu

Compay web: www.technoorg.hu

Short description #1

The SC-1000 product is a high-quality site-specific sample preparation system for SEM applications. Today's advanced SEM investigations require high-quality, artifact-free SEM samples with minimal damage on their surface. The SC-1000 model is equipped both with high- and low-energy ion sources.

Innovation content #1

The unique feature of the SC-1000 is the high precision sample positioning for slope cutting: with 2 µm accuracy. No other manufacturer offers similar technology.
The SC-1000 offers the highest milling rate on the market with its 10 keV and 20 keV high energy gun. The 20 keV high energy gun is still under development.

Short description #2

The new IV7 model of Technoorg ion mills has been designed for extremely rapid preparation of high-quality TEM/XTEM samples with unsurpassed high thinning rate. The design of the instrument enables both rapid milling with the ultra-high-energy noble gas ion source and final polishing and cleaning with the patented low-energy ion gun.

Innovation content #2

The IV7 model of Technoorg ion mills is provided with full computer control utilizing an easy-to-use graphical interface. Widest range of ion energies: from 100 eV to 20 keV using ultra-high-energy and low-energy noble gas ion sources. The IV7 offers extremely high milling rates:

‣ 1300 µm/hour for polycrystalline Cu at 20 keV and 45°,
‣ 300-600 µm/hour for monocrystalline Si at 16-20 keV and 45°.

BASIC INFORMATIONS

Company name: **Innomed Inc.**

Year of establishement: **1989**

Share capital: **2 000 400,00 €**

Industry: **Medical engineering**

Company profile:
The company designs, manufactures and services ECG and Holter devices, bedside monitor systems, defibrillators, and X-Ray devices. Our goal is to provide the most modern solutions with rational operating and maintenance costs.

International markets:
USA
RUS
Ukraine
China
Indonesia

Contact person:
Telehone: (36)1/460-9216
E-mail: bacsa.zsuzsa@innomed.hu

Compay web: www.innomed.hu

Short description #1
Cardio-Aid™ 360-B:
7″ color graphic TFT LCD display, 360 J energy, STAR™ Biphasic Waveform Technology, Built-in standard 12-lead ECG, Synchronous or asynchronous mode, Semi-automatic (AED) or manual control, Operation from paddles, Short charging time, typically 2,7 secs to 200 J, Alarm functions, Built-in 3-channel high-resolution recorder, Built-in external pacer, Built-in NIBP blood pressure meter option, Optional electrodes for internal defibrillation, Built-in SpO2 option.

Innovation content #1
Biphasic technology, 360 J energy, STARTM Biphasic Waveform Technology, 12-lead ECG, Recognition of fibrillation, Pacer, AED mode, SPO2, NIBP, 2.7 second charging time, Cardioversion, Multichannel thermal printer, Alarm with acoustic and visual signals.

Short description #2
HeartScreen 80G-L:
12-lead simultaneous ECG acquisition, Standard and Cabrera leads, High resolution large graphic LCD with backlight, On-line monitoring of 3 ECG and 1 rhythm curves, Reliable, high-resolution 3-channel thermal printer, Automatic, manual and event triggered recording, 12-channel analysis and diagnosis program, Rhythm analysis program with statistics, User defined ECG protocols,
Dedicated foil keys for quick operation, Softkey controlled functions for more features.

Innovation content #2
Analysis and diagnosis software, Ergonomic design, Innobase for windows software program for database management, Cardiological database management with 12-channel monitoring, Large LCD display, on-line editing 3 +1 channels.

Awards #2
Red Dot design award

HISZTOPATOLÓGIA

BASIC INFORMATIONS

Company name: **Histopathology Ltd.**

Year of establishement: **1994**

Share capital: **70 000,00 €**

Industry: **Healthcare Industries**

Company profile:
Histopathology Ltd. is a small enterprise founded in 1994. Its activity focuses on the exploitation R&D results and Innovation. The company develops, produces and sells in vitro diagnostic (IVD) histotechnical, immunodiagnostic reagents and laboratory instruments.

International markets:
US
Japan

Contact person:
Telehone: (36)72/516-490
Cell phone: (36)30/993-5813
E-mail: histopat@histopat.hu

Compay web: www.histopat.hu

Short description #1
Antibodies: AQP1-1/22, AQP4-4/18, Beta-Catenin-14, CD34-QBEND/10, CD117-polyclonal, c-erbB-2/HER2-SP3, COX-2–SP21, Cyclin D1–SP4, Cytokeratin–KL1, Cytokeratin-MNF116, Cytokeratin 5–XM26, Cytokeratin 18–DC10, E-Cadherin–ECH-6, Estrogenreceptor–SP1, GCR–3D5, HCG-beta–5H4E2, HISTOLS®p504S/p63-13H4+Y4A3, Insulin–E2E3, Ki-67–B56, Ki-67–SP6, MLH1–G168-728, mGluR1–3/G11, MSH2–25D12, NapsinA–KCG1.1, p53–DO-7, p63-Y4A3, Podoplanin–D2-40, Progesteronereceptor–SP2, TGF-alpha–P/T1, TNF-alpha-P/T2, Wilm's Tumor Protein-6F-H12.

Innovation content #1
Systems for Immunohistochemistry – HISTOLS Product line: HISTOLS® secondary antisera reagents are enzyme labeled polymer based detection systems, which detect rabbit, mouse (or both) immunoglobulins bound to an antigen in tissue sections and cytological samples. HISTOLS® is based on a new micro-polymer technology which permits to obtain small secondary antibody complexes containing a high number of labeling enzyme molecules, resulting in intense immunostaining without background.

Short description #2
Laboratory devices and instruments: I. TMA - TissueMicroArray makes possible for researchers to compare a variety of molecular and protein parameters simultaneously in tissues by immunohistochemistry/immunocytochemistry from dozens of individual specimens in a single TMA. Samples from different tissues (embedded and arrayed in paraffin) create a TMA block. TMA allows up to 8-12-24-70 (4 mm, 3 mm, 2 mm, and 1 mm diameter) different tissue samples to be presented in a single paraffin block.

Innovation content #2
II. Dominostainer - DominostainerTM is a completely automated immunostainer protected by the WO 2005/0955752(FR 2005/00077) patent. Its advantage compared with well known high performance instruments is that DominoStainerTM has been developed especially for TMA slides. This stainer is appropriate for small amounts of samples in small laboratories or useful for serial tests of TMA slides. Using with reagents of Histopathology, Ltd. (HISTOLS® line) the instrument offers a cost-effective and environmentally-friendly solution.

BASIC INFORMATIONS

Company name: **GEOVIEW SYSTEMS Ltd.**

Year of establishement: **1991**

Share capital: **62 677,00 €**

Industry: **Infocommunication**

Company profile:
GEOVIEW has an innovative and leading role in informatics applications and services in Hungary, realising the unlimited opportunities in informatics and GIS systems, internet and mobile technologies. GEOVIEW collaborates with universities and municipalities, and works in clusters for research and development.
International markets:
        DE

Contact person:
        Telehone: (36)1/240-7450
        Cell phone: (36)30/964-0344
        E-mail: zoltan.madar@geoview.hu

Compay web: www.geoviewsystems.eu

Short description #1

The medical expert system is a business framework supporting the work of judicial medical experts. All information and documents concerning the preparation of a professional opinion can be found in a common system. Beyond the simple storage of information, an accentuated objective is to make the data assets suitable for secondary appropriation that is the evaluation of information must contribute to effective information analysis.

Innovation content #1

It allows electronic sending of documents among connected organisations, Police, Court etc. For institutions using paper or simple register systems e-document and case management mean a great leap forward.
The advantages of the business framework: standardized electronic business system, support of electronic communication, digital processing technologies, 3D creation and analysis of models
Technical advantage: It uses a modern, digital image processing methodology, applying laser scanners.

MEDIA

Short description #2

Research and development of IT technology for real-time conversion and display of 3D contents on special screens without glasses; and for implementing innovative modelling process solutions.
Results:
Development of a sample application of complex software solutions for the modern use of GIS; Studies on auto-stereoscopic display and spatial data input and management regimes; Prototype systems and technology, various interface engines for future usability and integration.

Innovation content #2

With the developed new processes we will fundamentally change the current three-dimensional imaging models created in the production process. With a special device detecting the user's movements we develop the movement of the 3D image and a 3D pointing device.
Expansion of GIS tools: promising technological innovations to expand the functionality of GIS applications, opening new horizons for the users.

BASIC INFORMATIONS

Company name: **TargetEx Ltd.**

Year of establishement: **2002**

Share capital: **10 000,00 €**

Industry: **Biotechnology**

Company profile:
TargetEx Ltd., established in 2002, is an SME working in the field of biotechnology and drug development, especially in the early phases as hit and lead identification and development. TargetEx Ltd. is offering complex services in the early phase of drug discovery.

International markets:
    USA
    GB
    JP
    CH

Contact person:
    Telehone: (36)1/279-3153
    Cell phone: (36)30/252-0971
    E-mail: sandor.cseh@targetex.com

Compay web: www.targetex.com

Short description #1

Recombinant proteins, HTS assays and focused libraries. Few examples of the targets available.

- ‣ PDEs: PDE10A1; PDE5A; PDE11A; PDE9; PDE4B and PDE4D (expressed in Sf9 cells)
- ‣ Proteases: C1r activated catalytic fragment; MASP-1; MASP-2 activated catalytic fragment; MMP1; MMP2, MMP9; MMP13 active catalytic fragment (expressed in E.coli)
- ‣ GPCRs: 5HT6; 5HT7; CB1; CB2; H3R; mGluR8 (expressed in mammalian cells)

Innovation content #1

TargetEx Ltd. applies up-to-date molecular biology, protein expression, assay development and screening techniques supported by contemporary bio-/chemoinformatics tools to achieve project goals of its customers within the biotechnology and pre-clinical drug discovery sectors. TargetEx has a strong scientific record which is based on our well equipped facilities and highly educated and motivated personnel. As a result we can provide flexible and innovative solutions to our partners.

BASIC INFORMATIONS

Company name: **Seroscience Ltd.**

Year of establishement: **2006**

Share capital: **13 300,00 €**

Industry: **Healthcare Industries**

Company profile:
Seroscience Ltd. is an SME with laboratories hosted at Semmelweis University, Budapest. It provides immunotoxicological services to clients in the pharmaceutical industry.

International markets:
US
GB
Australia

Contact person:
Telehone: (36)1/210-0100
Cell phone: (36)30/415-0007
E-mail: sales@seroscience.com

Compay web: www.seroscience.com

Short description #1

Seroscience Ltd. offers contract research and immune toxicology services to clients in the pharmaceutical industry. Its contract research activities include the R&D of liposomal drugs and other nano-scale drug delivery systems, while its immune toxicology services focus on the evaluation of the risk of drug candidates to cause anaphylactoid (infusion) reactions. These activities and tests require special expertise in a cross-section of nanotechnology, pharmacology, immunology and toxicology, representing a new field of "nanotoxicology" a niche market for Seroscience.

Innovation content #1

The tests offered by Seroscience include complement serums and blood assays, blood cell analysis, mast cell activation, lymphocyte and leukocyte functional tests, etc. The most important test is the company's "proprietary" porcine complement activation-related pseudoallergy (CARPA) test, which is uniquely sensitive in predicting the anaphylactic (pseudoallergic) reactogenicity of particulate drugs and agents. Such predictions and development of preventive measures represent novel recommendations by the FDA and EMA, i.e.the major regulatory agencies in the pharma industry.

BASIC INFORMATIONS

Company name: **Clariton Ltd.**

Year of establishement: **2011**

Share capital: **1 860,00 €**

Industry: **Medical devices**

Company profile:
Our Hungarian team and its international partners develop, validate and commercialize a hand hygiene system, named Hand-in-Scan, for direct and objective evaluation of hand washing, aiming to enter and significantly increase the currently embryonic market niche of hand hygiene control.

International markets:
        EU

Contact person:
        Telehone: (36)70/944-0709
        Cell phone: (36)70/944-0709
        E-mail: haidegger@handinscan.com

Compay web: www.handinscan.com

Short description #1

Hand-in-Scan provides immediate evaluation of hand hygiene performance under non-invasive ultraviolet lighting relying on digital imaging and image-processing. After the regular hand washing procedure using an alcohol-based disinfectant, the system highlights disinfected versus untreated areas. It introduces objective verification of the medical staff's hand hygiene through technology-aided education and verification, resulting in a 30 % decrease in hospital-acquired infection ratio.

Innovation content #1

Hand-in-Scan's main competitive advantage is technology-supported quality control. Currently available solutions only apply indirect verification and have serious limitations (e.g. human interaction, alcohol sensitivity). Hand-in-Scan is the first system performing real-time, objective evaluation of hand washing through digital technology, introducing evidence-based, quantitative measures in hand hygiene education and control.

Awards #1

ICPIC Innovation Academy, 1st Prize (www.icpic2011.com)
Innovact European Campus Award, 1st Prize (www.innovact.com)
Kairos 50 (www.kairossociety.org)
ACES YEA'12 1st Prize

Meditech

BASIC INFORMATIONS

Company name: **Meditech Ltd.**

Year of establishement: **1990**

Share capital: **23 853,00 €**

Industry: **Measuring instruments**

Company profile:
Meditech Ltd. has been developing and manufacturing PC-based cardiovascular devices and software solutions since 1990. Our focus is on ambulatory blood pressure monitors and ECG devices.

International markets:
    EU
    RU
    CN
    AU
    BR

Contact person:
    Telehone: (36)1/280-8232
    E-mail: regina@meditech.eu

Compay web: www.meditech.eu

Short description #1

card(X)plore is a combined ambulatory blood pressure and 3-channel Holter ECG monitor, which has been designed to highlight the relationship between coronary heart disease and hypertension. This product is based on our core product, the internationally distributed and recognized, FDA validated ABPM-04 ambulatory blood pressure monitor.

Innovation content #1

2-axis movement detection, Bluetooth-capability, 3-channel Holter ECG with full disclosure ECG annotation, interactive annotation editing, time and frequency domain HRV, pacemaker detection and QT dispersion software options.

INDUSTRY

Isotoptech Zrt.

BASIC INFORMATIONS

Company name: **ISOTOPTECH Ltd.**

Year of establishement: **1998**

Share capital: **76 667,00 €**

Industry: **Measuring instruments**

Company profile:
We deal with technical investigation and development. Our field of interest is the monitoring of the environment of nuclear power plants and radioactive waste storage facilities. Radiocarbon dating, Radioanalytical measurements, Mass spectrometry (noble gas, stable isotope), Ion chromatography.

International markets:
> LT
> CH
> SR
> D
> A

Contact person:
> Telehone: (36)52/509-280
> Cell phone: (36)30/206-6999
> E-mail: isotoptech@t-online.hu

Compay web: www.isotoptech.hu

Short description #1

The VG5400 is an all-metal, statically operated, 90° sector field mass spectrometer with 54 cm extended geometry and a Nier type ion source. The MS has two detectors in fixed positions: a Faraday cup with a 100 giga-ohm resistor and an electron multiplier. The resolution for the electron multiplier is about 700, while it is about 200 for the Faraday cup. The mass spectrometer is pumped by an ion getter pump. Two getter pumps maintain the low hydrogen level in the deflection chamber.

Innovation content #1

The applications of the noble gas mass spectrometer are the follows: precise and sensitive tritium measurements on environmental water samples; determination of recharge temperatures of groundwater; 3H/3He dating of water samples; sensitive detection of tritium emission of nuclear facilities; detection of inhermetic fuel rods in nuclear power plant measuring isotope ratios of krypton and xenon dissolved in the primary circuit; measurement of tritium-labelled molecules in medical applications.

Short description #2

MICADAS type specialised radiocarbon (C-14) accelerator mass spectrometer (made by ETHZ, Zürich) and a well-equipped sample preparation laboratory. Detection limit is 50,000 yrs BP (0.3 percent Modern Carbon). Typical sample amount is 0.1 mg to 1.0 mg carbon, but even 0.01 mg carbon can be analysed using a special gas ion source option. Typical sample types: bone, human tissue, charcoal, macrofossils, biological samples, soil, groundwater, water, air, atmospheric aerosol, carbonate, shell.

Innovation content #2

Most recent applications of C-14 AMS technology: climate change studies, fossil carbon detection in the atmosphere. Fossil/biogen content detection in biofuels, Biotechnological carbon tracer studies in drug development, food science and agriculture. Groundwater protection via C-14 based early freshwater input detection. Archaeological radiocarbon dating. Forensic science applications.

D/U GROUP

BASIC INFORMATIONS

Company name: **Uniriv Ltd.**

Year of establishement: **1991**

Share capital: **239 962,00 €**

Industry: **Manufacturing**

Company profile:
We produce a wide range of fasteners for the automotive-, assembly- and building industry, the size and quality of which meet the known standards and regulations. Our special products can be used to solve any kind of fastening problems.

International markets:
D
I
Pl
A
RO

Contact person:
Telehone: (36)94/365-102/18
Cell phone: (36)20/344-1999
E-mail: zsolt.pocza@uniriv.hu

Compay web: www.uniriv.hu

Short description #1

We developed a new fastener in the last year, the UNIBULB. Manufacture of the product was preceded by half a year of research. For the rivet assembly of components, we bought a special machine, and we also produce special tools. This new fastener offers a solution for many customers in the automotive-, assembly- and building industry. Market demand continues to grow. We feel that this product could create a future fastener.

Innovation content #1

UNIBULB fasteners have big advantages of high quality than the standard rivets. The most important feature is that it is watertight. Secondly, the closing head must be aesthetic for some customers' applications. Another requirement is noise free. The UNIBULB rivet fully satisfies these requirements.

Short description #2

The most important thing for our Company is always quality. In the recent years, we developed a totally new control system. With this process we can guarantee 0 ppm for our customers, which is very important today for everybody. We are producing 360.000.000 fasteners per year, so we could think only in automatic solutions. End-product testing was not enough, in-process control was needed. In this way, we could minimize waste products during the production.

Innovation content #2

We solve the process control by an automatic check station, which replaces the measurements by humans. The machine uses an industrial camera. The machine operator places the piece in front of the camera and selects the measurement function. The measurement is done automatically, and if the check station measures an incorrect parameter on the part, it will stop the production machine. Furthermore, for 100% quality, we installed three high-speed (400pcs/minute) optical sorting machines.

Awards #2

Innovation Grand Prize (2011)

BASIC INFORMATIONS

Company name: **International Vending Machines Ltd.**

Year of establishement: **2010**

Share capital: **16 077,00 €**

Industry: **Retail trade services**

Company profile:
Our company is dealing with renting and selling vending machines.
The soul of the automats is the SPMS software. This is a platform fully
developed by IVM Ltd. SavePro is a unique and professional solution for
reducing costs for companies.

International markets:
RO
CZ
PL
SK
AU

Contact person:
Telehone: (36)22/300-893
Cell phone: (36)30/950-3012
E-mail: brigitta.eros@ivm.hu

Compay web: www.ivm-vending.eu

Short description #1

"Save Your Product, Save Your Profit, Save Your Professional!" - SavePro, the main product of IVM Zrt, is an industrial vending machine for dispensing expendable supplies, protective gear and gloves. It is manufactured in Hungary and represents a hardware and software solution developed for industrial use. It is a logistics technology which is size effective, more productive and supports 24/7 production and service activities. Supports corporate cost reduction and process optimisation.

Innovation content #1

Complete control over vending machines, products and employee use. Extensive Access Management System. An unlimited number of vending machines can be managed at the same time. A Web-based application operating on the network of the user.
Can be linked to SAP, EDI and ERP applications, encrypted data transmissions, automatic stock level verification, flexible reporting system.

Awards #1

Hungarian Quality Award (2011) – (www.termeknagydij.hu)

Short description #2

SaveBox is a supplementary application, a storage unit of larger capacity, which provides the larger, extended capacity of SavePro or SaveRent mainly for larger or heavier products.
For example it is used to control the consumption of fragile, large and heavy products and/or the expensive products which are rarely used. SaveBox is managed by the same software which is a part of the SavePro and SaveRent system. This makes its management easy and provides the same advantages.

Innovation content #2

The system is developed in the most detailed levels, using a pyramid structure for employee data and product information, collecting and sending recordings to cost centers, groups, etc. everything being done automatically by email. The possibility of rental makes it even more unique, us being the only company in Europe to provide this solution. The multiple level accessibility and the unlimited interconnectivity of the automats provide flexibility and optimization to the clients.

BASIC INFORMATIONS

Company name: **Combit Ltd.**

Year of establishement: **1996**

Share capital: **66 667,00 €**

Industry: **Infocommunication**

Company profile:
Our main activity is software development and system integration.
List of our R&D projects:
- Water Quality Accredited Telemetry System,
- GPS-based Service Centre Development,
- Development of smart metering system,
  Our products: Web Report Generator, UniWebTeam, IP camera based
  Video archive system.

Contact person:
    Telehone: (36)1/469-6416
    Cell phone: (36)30/951-3393
    E-mail: jfilep@combit.hu

Compay web: www.combit.hu

Short description #1

AVITAR as an Accredited Water Quality Telemetry System provides an economical solution for accredited operation of a single isolated water quality measuring station or several ones in a larger region. Due to its modular design it can be equipped with simple sensors, and a special robot analyzer developed in Hungary. The Service Center is responsible for timing the tasks to be done on the field stations, and for gathering, displaying, evaluating the measurement results.

Innovation content #1

AVITAR's unique new feature: the Robot Analyzer
The container has a Hungarian-developed and patented automatic online multi-parametric analyzer. It contains only one consumable: the tube of the peristaltic pump. The innovative robotic dosing technique allows the dosage of all the fluids without cross-contamination, applying a multifunctional pipette, which serves as a dosing pipette, a heated and thermostatic reaction space and as a fiber-optic photometer cell.

MEDIA

Short description #2

VIDRA is a software package capable simultaneously of broadcasting live and recording the outputs of several IP cameras mixed with the presentation slides of a teacher. The recordings could be edited, bundled with additional materials, it could be searched among other items, replayed using a single web browser.
  ‣ it can handle various public events' recordings,
  ‣ also cultural, scientific or educational recordings,
  ‣ VIDRA can make teaching documents (lecture series recordings bundled with help).

Innovation content #2

The VIDRA system accomplishes the creation of live, always updated v-subjects thus equalizing the correspondence education and Distance Learning level with the full-time education level.
The live broadcast allows the presentation to be watched by students located in many classrooms, at different continents or at home.
Playing of v-lectures are stoppable. You can skip forward or go back according to your own rhythm of understanding which increases the information transfer efficiency.

BASIC INFORMATIONS

Company name: **BroadBit Ltd.**

Year of establishement: **2006**

Share capital: **10 000,00 €**

Industry: **Infocommunication**

Company profile:
BroadBit's main activity is the research and development of telecom equipment in two areas:
(1) Ethernet-over-Coax data networking.
(2) Electric Vehicle to Electric grid data networking. Also, a new research area is the development of cost-efficient new battery technology for Electric Vehicles.

International markets:
 IT
 FR

Contact person:
 Cell phone: (36)30/218-9659
 E-mail: andras.kovacs@broadbit.com

Compay web: www.broadbit.com

Short description #1

New battery technology for electric vehicles: Battery technologies which may be suitable for electric vehicles are under intensive research worldwide, as the high cost and limited lifetime of current Li-Ion batteries are the recognized main obstacles for realizing the electric vehicle mass-market. BroadBit has invented a battery technology, which may be suitable for electric vehicles. It is undergoing laboratory testing during summer 2012, and will undergo drive-testing during autumn 2012.

Innovation content #1

This invention is based on new battery chemistry, which has not been tried before. We expect this technology to eventually enable battery cost-savings in the range of 60-70% for electric vehicle manufacturers, which is very significant in this emerging multi-billion euro product market. It will have about the same energy density as current Li-Ion batteries, and the expected battery lifetime could be even longer. The battery concept is suitable also for lower-volume initial production start-up.

MEDIA

Short description #2

Ethernet-over-Coax data networking products: we serve customers in various business segments with unique data networking products, which make use of the coaxial cable infrastructure already existing in many areas. These devices are used for: IP-TV data distribution in private homes (reference: Magyar Telekom), in hotels (reference: Nevron), on cruise ships (reference: Sea-Net), and for passenger information systems on trains (reference: TrenItalia).

Innovation content #2

Our Ethernet-over-Coax (EoC) devices often work as a more cost-efficient alternative of Power-line-communication (PLC) technology. We design them in partnership with Cable-Vision (Taiwan), as customization of their base technology for the above mentioned application areas. Up to date we had no reported faults of our EoC units at all, while PLC chip based devices deployed for same applications have some failure rate each year. We are the 1st to deploy a passive solution for IP-TV distribution.

AQUA TERRA Lab

BASIC INFORMATIONS

Company name: **Aqua-Terra Lab Ltd.**

Year of establishement: **1996**

Share capital: **10 345,00 €**

Industry: **Measuring instruments**

Company profile:
Distributing and development of analytical equipment, laboratory equipment, and rapid tests. Current results of developments: new rapid tests for field analyses, new automated robotic analyser and sampler ship for on surface water monitoring, new autonomous measuring station for on surface water monitoring.

International markets:
AT
SRB
RO
SK

Contact person:
Telehone: (36)88/568-710
Cell phone: (36)30/229-0285
E-mail: zsilak.zoltan@aquaterra.hu

Compay web: www.aquaterra.hu

Short description #1

Automated analyser and sampler ship that is able to reach a dedicated position on a small lake by manual control or in automated mode using the built-in GPS-receiver. The whole electronic system is powered by 12 VDC rechargeable batteries. The ship can measure water temperature, pH, ORP, conductivity, dissolved oxygen, turbidity, SAC, COD, nitrate, PAH, chlorophyll-a, blue algae concentration up to 10 metres deep and can collect max. 6 x 1 litres of different water samples from max. 10 metres deep.

Innovation content #1

New equipment and possibility to measure contamination of surface water bodies. Using the small automated ship, the measurements and sample collection can be done automatically, and this method is less costly than performing these tasks with a big ship with a crew.

MOBILE SERVICES

Short description #2

New smartphone application which is designed to control different kinds of electrochemical or optical sensors. It is able to make measurements, start calibration, save all data including GPS coordinates (if the phone has a GPS module), and send the data to a server. This application offers an easy solution to control different manufacturers' probes by one software.

Innovation content #2

The main idea behind the software is to have one user friendly interface to control any digital sensor and leave behind the old "one sensor- one controller" idea. The user can have all readings always available for evaluating the measured dates. The user is able to publish all data to a server or personal computer easily in a compatible format.

MŰSZER AUTOMATIKA KFT.

BASIC INFORMATIONS

Company name: **Műszer Automatika Ltd.**

Year of establishement: **1982**

Share capital: **150 000,00 €**

Industry: **Electrical engineering**

Company profile:
Development, production, sales and service of signalling and interlocking equipment for the railways. Control techniques. Power supply systems. Telecommunication and other electrical devices. Industrial gas and vapor monitoring systems. Design and consultancy services. Transport development projects.

International markets:
        Iraq
        Ita
        Rom
        Ukraine,

Contact person:
        Telehone: (36)23/365-280
        E-mail: mautom@muszerautomatika.hu

Compay web: www.muszerautomatika.hu

Short description #1

The UTB type level crossing interlocking equipment is a fully electronic solution which serves to make rail and road crossings safer. The electronic logical part ensures the solid basis of safety functions. It can be easily adapted to the actual level crossing in which it would be placed.

Innovation content #1

After almost 10 years of operation on the suburban railway lines around Budapest it has been developed to replace relay driven interlocking on mainlines. The allowable railway speed has doubled and the equipment has been allowed to operate in the environment of 25kV 50Hz traction. With its new power supply, its energy consumption has been reduced below 300W at basic layout. The modern, concrete housing ensures a more ergonomic workplace for maintenance.

Awards #1

Innovation prize 2010

BASIC INFORMATIONS

Company name: **Théta-Therm Lpc.**

Year of establishement: **2008**

Share capital: **4 000,00 €**

Industry: **Construction**

Company profile:
The company was founded to produce and develop material for the building industry. The CEO of the company currently studies material science at university. All tasks are carried out by family members.

Contact person:
       Cell phone: (36)70/586-1457
       E-mail: salamonpisti@gmail.com

Short description #1

The common recycling of waste thermal water and waste glass - The essence of the technology is the recycling of thermal water containing alkali-hydrogen-carbonates which are frequent in Hungary. The principles of physics and chemistry here are no novelties. We separate the solute material in the used water from an energy producing heating device/factory (thermal power station) by way of reverse osmosis. Thus we terminate the deteriorating effects of this environment and manufacture a product from the separated material. In this technology we also utilize other type of waste material, glass cover material for the building industry. Accordingly, the input consists of waste thermal water and waste glass, and the output is aluminium-silicate insulation foam and a building industry cover material of a special appearance. Presently, there is a high amount of leaded glass waste from CRT screens, which is not reutilized by anyone, hence we produce lead metal as well. The highly pure water that is the outcome of the process, could also be considered a product. These technologies can work separately as well. The lead from waste CRT screen glass can be extracted without thermal water, and the same products can be manufactured. So far we did not focus on the solute material (eg. lithium, rare earth metals) in thermal water, but that is probably possible too.

Innovation content #1

The end product of the reutilization of thermal water is sodium-carbonate. It is quite difficult to purify the water so that it would be suitable for industrial purposes (glass or detergent production). For this reason we designed the technology so as to produce a new market product, a material for insulation from waste glass, and in case of leaded glass, it is lead. This way the separation of sodium-carbonate is easier as well. The energy comprised by the thermal water is thus doubled, because subtracting sodium carbonate this way requires less energy than sodium-carbonate production. In Europe numerous sodium-carbonate manufacturing factories have been closed, because they polluted the environment with calcium-carbonate emission, while Hungarian users of thermal water pollute the environment with sodium-carbonate. Therefore it seems the solution is at hand, however there are several minor problems (eg. the solute material destroys the reverse osmosis). In finding the final technology the efficiency of the utilization of thermal water could be greatly increased. Currently there are numerous sealed thermal wells (the complete value of which could reach an estimate of 1 billion euros). Their utilization is prevented by the environmental protection law due to the fact that they pollute with sodium-carbonate. At present we are looking for an investment of an estimated one to two million euros for the creation of an exhibitory but already profitable establishment. The production of lead and building industry material from CRT screen glass is possible not only in Hungary, but all around the world, for this type of waste material is much more common in other countries. We are in search of an investor up to 200 000 euros to fine tune our technology.

BASIC INFORMATIONS

Company name: **PHARMATEKA Lpc.**

Year of establishement: **1995**

Share capital: **0,00 €**

Industry: **Agro industry**

Company profile:
With its activities and products, Pharmatéka Bt. commits itself to serve animal husbandry and animal health. On the one hand, with its products, it maximally promotes animal welfare; on the other, with its preparations it is committed to minimising the load on the environment.

International markets:
AT
SI
RO
SK

Contact person:
Telehone: (36)1/460-0022
Cell phone: (36)20461-7707
E-mail: info@pharmateka.hu

Compay web: www.pharmateka.hu
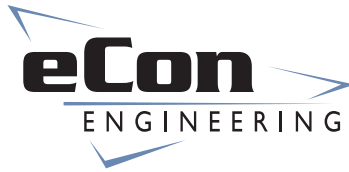
Short description #1

The Diarr Stop S Plus (DSP granulate) is a brand new innovative product of Pharmateka Bt. It is a feed additive which blocks the development of diarrhea in the case of pigs in a preventive way.

Innovation content #1

This additive doesn't create any residue remedy and no resistance appears while using the product. This material also blocks the reproduction of Brachyspira bacteria, due to the usage of DSP no endotoxin disengages. The DSP has an international patent, and is protected by copyright.

Awards #1

In 2011 it received two agricultural innovation awards and in 2012 it also gained the first prize in Hódmezővásárhely at the Hungarian Agricultural Fair.

BASIC INFORMATIONS

Company name: **eCon Engineering Ltd.**

Year of establishement: **2002**

Share capital: **64 500,00 €**

Industry: **Mechanical engineering**

Company profile:

Finite Element and Boundary Element Methods for Industry – eCon Engineering. With more than 10 years experience in finite element and boundary element methods, we offer our expertise in solving various problems ranging from simple analyses to complex assignments integrated into development projects.

International markets:

D
USA
F
B
SK
PL
P

Contact person:

Telehone: (36)1/279-0320
Cell phone: (36)30/251-7324
E-mail: kiglics@econengineering.com

Compay web: www.econengineering.com

Short description #1

Development of CFK / GfK-designed plastic composite material and structural components of commercial vehicles.

The project also includes the development of composite materials selection, technology definition, calculation & method development and development plans to optimize the layer-systems.

The project target is to develop a composite vehicle structure, which is currently not used in this form and is designed for mass production.

Innovation content #1

RTM technology made the vehicle itself a major technical innovation. The construction technology and the built up technology to reform all the modular construction of principle vehicle, leading to a further spread of new technologies and lead to the development guidelines. The same project was from 10 years at the NABI composite bus, there was an original idea, and on this basis we have a new and innovative processes.

BASIC INFORMATIONS

Company name: **B&K Ltd.**

Year of establishement: **1991**

Share capital: **40 471,00 €**

Industry: **Manufacturing**

Company profile:
B&K Ltd. was founded in 1991 to manufacture and sell high-quality building-engineering, hygienic products. Now we can provide everything what is needed for public washrooms and for hygienie of food and catering industry, hospitals, we focus on export with our outdoor public toilets.

International markets:
PL
RO
SER
SLO
DE

Contact person:
Telehone: (36)29/413-553/146
Cell phone: (36)385-9971
E-mail: varga_gabor@bandk.hu

Compay web: www.bandk.hu

Short description #1
B&K Ltd. for 10 years has been developing and manufacturing automatic outdoor public toilets usable also by disabled people. Outside design of the public toilets fits harmonically either to the modern city, or to the elegant surroundings reminding of the turn of last century. In our choice you can find different shaped separate buildings, with equipment inside, upon demand of customers. Equipment is vandal-proof, made from stainless steel, no human touch is needed to operate them.

Innovation content #1
It's fact that In Hungary there is no enough outdoor public toilet on public areas. For more than 10 years we haves been focusing on continuous development of automatic public toilets.Nowadays our toilets are equipped with vandal-proof products and also people with wheelchairs can use them.Appliances can operate without human touch,wall and floor washing is provided,giving as much hygiene as possible.Coin reader and communication unit (giving information about malfunctions) can be added as well.

BASIC INFORMATIONS

Company name: **PROT-EL Ltd.**

Year of establishement: **1992**

Share capital: **75 212,00 €**

Industry: **Electrical engineering**

Company profile:
Since 1992 Prot-el operates in different industries, providing high quality services, design and implementation. Continuous investment in education and quality assurance, application of unique spare parts and appliances of the partner firms are keys to our success, like in MOL-FGSZ gas transportation.

Contact person:
Telehone: (36)1/326-1072/11
Cell phone: (36)30/942-3820
E-mail: feherp@protel.t-online.hu

Compay web: www.prot-el.hu

Short description #1

The Prot-El natural gas measurement device was built to meet high technical requirements. It can be used for measuring the volume of natural gas, and summarizing industrial and normal quantities. The parameters of the given place of use can be programmed into the system, thus it can be used with the units of any kinds of measuring methods (turbine, disk, rotary piston, ultrasound). The device combines four different volume measuring methods.

Innovation content #1

All information is displayed on the touchpad screen, and all necessary engineering data can be inserted into the system via the touchpad. Advantages of the new corrector: Algorithm calculating the compressibility, Calculation cycle time less than 1 second, 22 bites resolution conversion when measuring pt100, temperature and other analog signals, UTP, USB, RS232, RS485 communication, Detailed error and event records, Small size, easy installation, GSM modem for data transfer.

HOLOGRAFIKA

BASIC INFORMATIONS

Company name: **HOLOGRAFIKA Ltd.**

Year of establishement: **2004**

Share capital: **35 815,00 €**

Industry: **Electrincal engineering**

Company profile:
Holografika Ltd. is a high-tech SME developing proprietary holographic technologies and glasses-free 3D displays, which can serve as a basis for future 3D television. Regular participant in EU R&D projects and selling its HoloVizio systems to scientific institutes and universities in Europe and Asia.

International markets:
GB
I
D
NL
F
ES
Japan
Korea

Contact person:
Telehone: (36)1/281-9114
Cell phone: (36)30/941-0508
E-mail: zs.dobranyi@holografika.com

Compay web: www.holografika.com

Short description #1

The company's current product line includes monitor-type 3D displays for professional markets such as medical, security, control-room, entertainment and gaming industries; eventually, Holografika's products will have home-entertainment applications. The company has also developed a collaborative large-scale 3D displaying system for applications in oil & gas exploration, CAD engineering design, telepresence, simulation, theme parks; furthermore, a glasses-free 3D cinema system was recently launched.
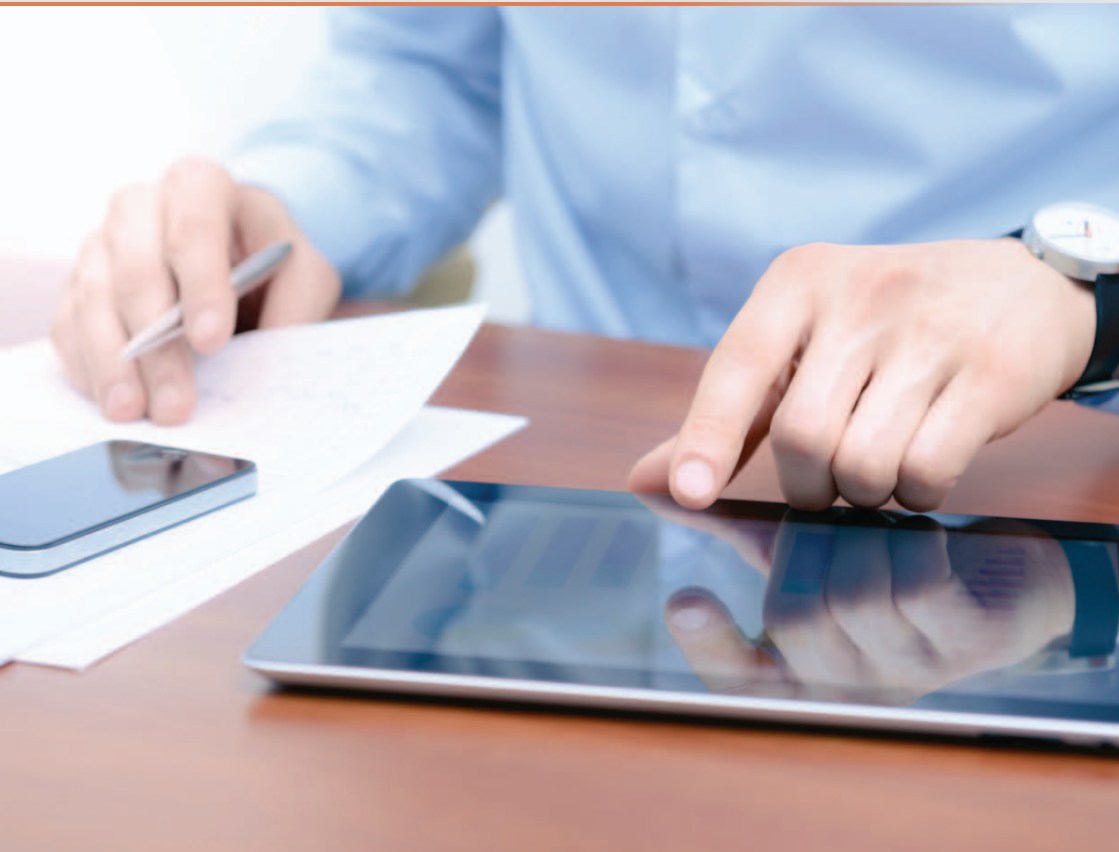
Innovation content #1

The company's current product line includes monitor-type 3D displays for professional markets such as medical, security, control-room, entertainment and gaming industries; eventually, Holografika's products will have home-entertainment applications. The company has also developed a collaborative large-scale 3D displaying system for applications in oil & gas exploration, CAD engineering design, telepresence, simulation, theme parks; furthermore, a glasses-free 3D cinema system was recently launched.

Awards #1

Red Herring Top 100 Europe, WEF Technology Pioneer, World Technology Award Nominee, ICT Best Exhibit (www.holografika.com/Company/Awards.html)

BASIC INFORMATIONS

Company name: **Weblib Ltd.**

Year of establishement: **2008**

Share capital: **1 800,00 €**

Industry: **Infocommunication**

Company profile:
WebLib is involved in the research and development of intelligent, linguistic-based search and text mining solutions. We started to work for NIH at the end of 2001 by developing search engines. Based on our experience we created WebLib Kft. to serve our increasing number of customers.

International markets:
        USA

Contact person:
        Telehone: (36)20/886-1391
        E-mail: endre.jofoldi@weblib.hu

Compay web: www.weblib.hu/en

Short description #1

WebLib InfoHarvester is a focused crawler, data processing and information discovery platform.
It can collect structured and unstructured data from the public web, store a large amount of data and make it available for further processing.

Innovation content #1

InfoHarvester can collect structured data from the textual content of web pages and create new data and information through transformations.
The collected data is stored in a Hadoop cluster so it is practically unlimited in its size and it is also securely preserved (""big data"" storage solution). The „Hadoop" framework provides the possibility of distributed data processing with a Map/Reduce approach. Thus further information and invisible data relations can be obtained at any later time.

BUSINESS SOLUTIONS

Short description #2

The Weblib Intelligent Search Engine is a domain independent intelligent indexing and search solution built on top of the open source Solr/Lucene enterprise search platform enhanced by our own innovative natural language processing solutions.

Innovation content #2

Weblib search provides linguistically relevant answers. As a European company we know that you need a multilingual solution, so we can handle different languages. Taxonomies and thesauri are commonly used to describe the basic concepts of a profession, putting them into a search engine means you get really smart results such as synonyms and related expressions. Our newest addition to Weblib Search is an analytics solution that gives information to decision makers based on search statistics.

intellio™

BASIC INFORMATIONS

Company name: **Intellio Technologies Plc.**

Year of establishement: **2010**

Share capital: **52 985,00 €**

Industry: **Infocommunication**

Company profile:
Intellio is a security company developing smartcameras and complete video surveillance systems. The complete, reliable and customized solution guarantees simple installation and reliable and economical operation along with state of the art image processing.

International markets:
ITA
PL
RO
HR
SR

Contact person:
Telehone: (36)1/220-4279
Cell phone: (36)20/485-2222
E-mail: maria.nemeth@intellio.eu

Compay web: www.intellio.hu

Short description #1

The Intellio Video System 2 is an easy to manage, user-friendly Video Management Software. It has a cutting-edge client interface, makes it easy to access particular functions and control the surveillance system. The Intellio Video System 2 manages Intellio's own smartcameras and 3rd parties' ONVIF compliant cameras, as well as additional features such as License Plate Recognition or Intellio VisiScanner Customer Analytics Solution.

Innovation content #1

Intellio's innovation reduces the costs of the initial investment and the operation. Intellio develops complete video surveillance systems, which are characterized by above-average reliability and scalability with cost effective operation thanks to Intellio's own streaming technology. The Intellio Streaming technology is a video transmission procedure developed specifically for systems with a large number of cameras offering a unique solution for compressing and managing the video stream.

Awards #1

XVIII. Hungarian Innovation Award - Intelligent Motorway Control, IT Business Leadership Award, IFSEC 2007 - (www.intellio.eu/en/about-us/awards/)

BUSINESS SOLUTIONS

Short description #2

VisiScanner is an easy-to-install video analytics solution, which creates statistics on visitor numbers, gender and age. It analyzes live video to detect the age and gender of those passing in the camera's field of view, the system counts the visitors, tracks their path of movement and eye gaze direction.

Innovation content #2

The solution could be a useful tool for any business that could benefit from gaining demographic data about its customers or visitors. The data generated can be easily processed to gain valuable insight into visitor count and composition. Intellio's customer analytics tool offers fast and easy-to-handle data analysis. Its scalability allows for commercial chains with multiple premises to centralize their data analytics.

CARNATION GROUP
A PART OF POSSIBLE WORLDWIDE

BASIC INFORMATIONS

Company name: **CARNATION Plc.**

Year of establishement: **2000**

Share capital: **358 153,00 €**

Industry: **Infocommunication**

Company profile:
DIGITAL.CREATIVE.CURIOUS
We have delivered digital creative solutions for curious clients for over 15 years. We ideate, design, develop, code, research, plan, measure and optimize.
- ‣ Webit CEE Creative Agency of the Year.
- ‣ Key clients in CE: Coca-Cola, Procter&Gamble, Telenor.

International markets:
RO
Austria
Serbia
Belgium
Poland

Contact person:
Telehone: (36)1/887-5353
Cell phone: (36)20/593-1099
E-mail: andras.korompai@carnationgroup.com

Compay web: www.carnationgroup.com

Short description #1

Carnation's emailPOWER is a complex, fast email sending system, upgraded continuously. eDM has been around since the beginning of the internet, but hasn't changed a lot. emailPOWER is focusing on bringing back effectiveness in email marketing.

With improved sending capabilities, our clients are able to send timed messages in a short time, to massive databases (100.000 eDMs in just 1 hour). This way email can finally promote timed messages, and real last minute possibilities.

Innovation content #1

The emailPOWER is one the fastest sending systems out there, making sure, that all our clients' customers receive the same content at almost the same time.

- Advanced filtering makes it possible to select and filter bounced letters by up to 12 different scenarios. -64 custom attributes can be defined in one message
- Template wizard helps you in creating spam proof messages. -Our dedicated mail servers possess all the necessary qualifications, to make sure your letter doesn't land in a spam folder.

Short description #2

Our consumer insight was that many mobile/tablet application games are designed for small children, but iPad / iPhone users are afraid to hand those expensive devices over to their kids. So we designed, prototyped and developed the Totoya Creatures family both for iPad and iPhone and created a hybrid: physical & digital toy consisting of a furry lovely – and safe – iPad / iPhone case and a free interactive / educative application which works as the creature's soul.

Innovation content #2

Our launch video (www.vimeo.com/35380735) got more then 150K views from all around the world since this was the first hybrid toy made for iPad devices revolutionizing the plush toy concepts within the tablet / smartphone era. We used the iDevices in a completely new approach / functions while helping the toddlers to make the first step to enter the digital era of our age.

Awards #2

The One Show Interactive/Silver Pencil – (www.goo.gl/l0rZA)
Guardian Awards for Digital Innovation/shortlist – (www.goo.gl/mGlDT)

BASIC INFORMATIONS

Company name: **Applied Logic Laboratory (ALL)**

Year of establishement: **1986**

Share capital: **200 000,00 €**

Industry: **Infocommunication**

Company profile:
ALL's main research areas: artificial intelligence, cognitive systems, modelling of systems of high complexity, medical and biological informatics. It unites expertise in system modelling, knowledge engineering, signal processing, data analysis and data mining, natural language processing.

Contact person:
        Telehone: (36)1/326-9056
        E-mail: gergely@all.hu

Compay web: www.all.hu

Short description #1
ALL offers solutions to different sorts of speech- and sound-technological problems. ALLdio is the name of the complete automatic speech recognition technology. The relevant issues concern three major domains: (1) audio content analysis, (2) multilingual continuous speech recognition, and (3) audio-based information engineering. The services of ALLdio have created the conditions for elaborating a novel technology for multilingual continuous speech recognition in multimodal contexts.

Innovation content #1
The ALL dio technology has the following significant novel characteristics:
- ‣ The end-products are operative in multimodal contexts – typically in the contexts of audiovisual files.
- ‣ The technology is multilingual in the sense of being prepared for recognizing tied-in speech passages that are vocalized in different languages.
- ‣ The speech passages can be labelled by the name of the person speaking and/ or by the name of language being spoken in that passage.

Short description #2
ALL offers an information retrieval technology which improves precision by eliminating semantically irrelevant matches, while in the case of information extraction applications it facilitates the development of systems that are not bound to a fixed set of templates, as the information to be extracted can be defined via a flexible query language. It works on the following types of texts: patents, user instructions, technical descriptions, medical documentation, judicial decisions and judgements.

Innovation content #2
The proposed technology represents semantic content of texts in the form of ontology capsules. This is a minimal model, which can serve as a query for semantic search. It can be connected to domain specific ontologies in order to expand the information implicit in it, can be visually or otherwise presented to the user, or can be used to build a large stock of models through deriving such models from several pieces of text in order to discover hidden similarities and logical relations between them.

BASIC INFORMATIONS

Company name: **Szintézis-NET Ltd.**

Year of establishement: **2003**

Share capital: **32 155,00 €**

Industry: **Infocommunication**

Company profile:
Synthesis-NET provides software development services. Our experts are skilled in a variety of programming languages and have developed solutions for a number of sectors including healthcare, ambient assisted living, bank & finance, real estate, supply chain management, etc.

International markets:
USA
CAN
DE
AT
CH

Contact person:
Telehone: (36)95/550-521
Cell phone: (36)30/301-6440
E-mail: afarkas@szintezis-net.hu

Compay web: www.synthesis-net.com

Short description #1

Named after the God of War from Hungarian mythology, Hadúr allows you to use your smart phone to conquer territories formed by a virtual grid spread across a map of the world. The game combines the idea of "check-in" apps and strategy games. The primary objective of Hadúr is to conquer as many territories as possible. To do that, first you need to form (or join) a clan and then, together with your clanmates, register the highest number of check-ins in a territory to seize it.

Innovation content #1

As with other location-based games, after a certain number of check-ins you win awards. The game has strong Facebook support, so players can share their victories with friends who might also get motivated to join the fun. Hadúr currently has basic functionality, however, we are constantly adding new features and use crowd sourcing to gather ideas on how to make the game better.

BASIC INFORMATIONS

Company name: **Noispot Llc.**

Year of establishement: **2011**

Share capital: **163 300,00 €**

Industry: **Infocommunication**

Company profile:
Noispot is an EPC and BarCamp award winning startup with 650.000 USD VC investment. We provide innovation to HoReCa sector clients by our interactive music service that lets guests control the music with their phones. We launched sales in Germany and Hungary while constantly developing our service.

International markets:
Germany

Contact person:
Telehone: (36)1/310-2915
E-mail: nora.albitz@noispot.com

Compay web: www.noispot.com

Short description #1

Noispot is an interactive music service that lets guests at venues choose the music they want by using their mobiles. We have native Android and iOS apps and our own database of licensed music sorted into channels to fit the style of each venue.

The app has social features that fuel interaction between guests. Noispot is also an alternative marketing tool for our clients. Guests generate buzz on Facebook while Noispotting. Promos of the venue appear on the guests' phones and their FB walls.

Innovation content #1

We are the first to bring a community controlled music player to the market. With a built-in effective marketing tool for venues to reach their own customers, the ones that are interested, and also get feedback from them.

We have a proven business model based on a monthly subscription fee for venues and a free web-based solution for home users.

Awards #1

EPC 3rd prize, BarCamp Budapest 2nd prize

absonic

digitális hangrögzítő rendszer

BASIC INFORMATIONS

Company name: **NICOPRO Ltd.**

Year of establishement: **1999**

Share capital: **17 908,00 €**

Industry: **Infocommunication**

Company profile:
Our company has been working in the field of digital voice recording for more than a decade. Our system is built of original developed software and hardware components. Keeping pace with the requirements of changing market demands and technical challenges we continually develop our system.

International markets:
> USA
> CAN
> DE
> AT
> CH

Contact person:
> Telehone: (36)79/326-581
> Cell phone: (36)30/938-3529
> E-mail: varhalmi.miklos@nicopro.hu

Compay web: www.nicopro.eu

Short description #1

The ABSONIC v2 voice recording and management system, by the secondary use of existing computers, turns the computers into a virtual voice recorder with a wide range of functionalities. We offer voice recording solutions in a wide scale from two-wire telephone line and microphone sources up to hundreds of channels of analogue and digital lines, VoIP as well as two-way radio sets' audio signals.

Innovation content #1

ABSONIC v2 voice recording and management system with the all-round functionality is unique in the market. It offers solutions for voice recording, answering machine functions and processing of the recordings. E.g. IVR, automated telephone calling system, alarm feature for various events, remote queries and playing of voice recordings through phone or mobile phone, audio monitoring by MP3 streaming, protection of recordings by 128 bit RSA key, making statistics.

INNOV/ACE
2 0 1 2

Iplayertise

BASIC INFORMATIONS

Company name: **Mindroom Ltd.**

Year of establishement: **2009**

Share capital: **1 642,00 €**

Industry: **Media in the information society**

Company profile:
Mindroom Kft. is a project company formed by Digital Natives Kft., AITIA International Zrt., THINKTech Kutatási Központ Nonprofit Kft., MIMÓZA Kft., Proserver Kft. Mindroom Kft. has developed Playertise: an innovative online video advertising service that includes a speech recognition system.

Contact person:
Telehone: (36)1/489-5180
E-mail: info@playertise.com

Compay web: www.playertise.com

Short description #1

Playertise is an innovative video advertisement service set up with the support of the European research and development program. It helps to create advertisements with easy templates, which are optimised for the content of internet videos.

Innovation content #1

Playertise creates an integrated platform for serving video-advertisements and makes them targetable to the content of the videos with the help of speech recognition technology. Hungarian, Romanian and Polish language models are available now. Processed videos become searchable and it's easy for internet users to find their content. As an extra feature of the service it's possible to display the advertisements at the same time when the content tag sounds in the video.

BASIC INFORMATIONS

Company name: **Lakoon Design Ltd.**

Year of establishement: **2012**

Share capital: **10 000,00 €**

Industry: **Textiles and clothing**

Company profile:
The company profile is experimental development. Our intent is to manufacture and distribute an innovative, moving structure which reminds the viewer of the skin of a snake. That's where the name came from.

International markets:
EU
USA
RUS
J

Contact person:
Cell phone: (36)70/424-4620
E-mail: szentirmai.joly.zs@laokoondesign.com

Compay web: laokoondesign.com

Short description #1

Laokoon perfectly complements creative imagination in several fields of applied arts such as design, fashion, furniture design and interior decoration. Just to mention a couple of uses, it is suitable for making design objects which can be opened and closed, or for shading systems, screens, and coating any kind of object. (This moving structure was invented by textile designer Zsuzsanna Szentirmai-Joly.)

Innovation content #1

Thanks to the fine surface geometry and our special linking technique, this material can take different forms, organic, three dimensional and transformable shapes. Created from a plain square piece of material, it can take the shape that the users/designers want (from round, spherical to fan-like forms) and keep this shape until one decides to modify it.

Awards #1

Hungarian Design Award (2003) – Special Award from The Ministry of Cultural Heritage

BASIC INFORMATIONS

Company name: **Adfit Ltd.**

Year of establishement: **2008**

Share capital: **100 000,00 €**

Industry: **Media in the information society**

Company profile:
AdFit's core competency is innovative Direct Marketing communications channel management. The company provides a brand new, highly efficient direct marketing communications channels, based on the "Transpromo" or "Statement Marketing" concept, capable of delivering a 500% increase in customer response rates. AdFit also provides services in document (re)design, CRM management, campaign execution, and media brokerage. We create ad spaces on printed and electronic bills, invoices and account statements, we segment and manage customer data bases and place customized, well targeted advertising onto these surfaces.

Contact person:
      Telehone: (36)1/279-0186
      Cell phone: (36)70/210-0012
      E-mail: tamas.sztaricskai@adfit.hu
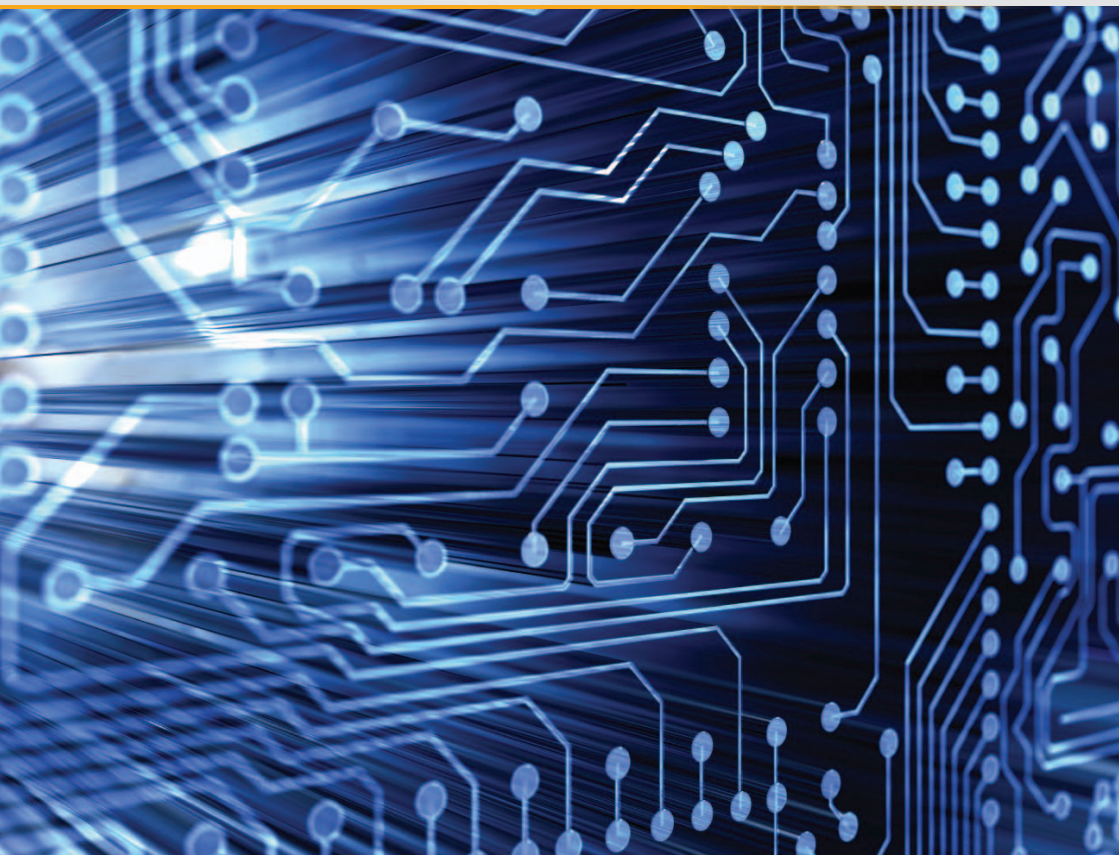
Compay web: www.adfit.hu

Short description #1

AdFit provides a brand new, highly efficient direct marketing communications channel, called Transpromo communications or "Statement Marketing", capable of delivering a 500% increase in response rates. AdFit's core competencies are document (re)design, CRM management, campaign execution, and media brokerage. We create ad spaces on monthly bills, invoices and statements, we segment and manage customer data bases and place targeted advertising onto these statements.

Innovation content #1

With our proprietary and all-in-one DMA Manager software, AdFit enables advertisers to manage cross channel DM campaigns, both on and off-line within one simple and user friendly UI environment. Our DMA Manager software is capable of Ad Space inventory management (on and off line), users can create segments, they can plan and execute campaigns, generate reports and securely manage approval processes and cost allocation. All of this is provided as a SaaS model without any internal IT investment.

MOBILE SERVICES

BASIC INFORMATIONS

Company name: **Argeon IT Services Ltd.**

Year of establishement: **2004**

Share capital: **10 170,00 €**

Industry: **Security research and development**

Company profile:
Argeon Ltd. is a developer of IT solutions applying PKI technology based on individual needs, the distribution of applications and offering consulting. We are one of the most innovative companies of the electronic signature market with our own proprietary solution on the level of CC EAL 4+.

Contact person:
Cell phone: (36)30/370-0407
E-mail: dohanyos.balazs@argeon.hu

Compay web: www.argeon.hu

Short description #1

MySigno products can provide authentic handwritten signatures on electronic documents. With the help of this, the signer and the date of an electronic document can be proved in the course of a post-control. It operates on Tablet, Tablet PC, mobile and desktop, and different platforms. This product provides the same interface on various IT tools, devoid of business logic so it can provide authentic handwritten signatures in any process.

Innovation content #1

In case of signing not only visual but biometric features are recorded. These features attach to the signed documents i.e. it can be checked which document was signed by the signer in the case of a post-control. Biometric data are encrypted by separate PKI keys (several), so they cannot get out of the system, no other document can be signed with them. The product possesses a CC EAL certificate.

BUSINESS SOLUTIONS

Short description #2

With the InfoProve product line the handling of certified digital signatures in accordance with PDF and XML Advanced Signature (XAdES) international standards can be easily integrated into present document management/workflow systems. The base of the product possesses a CC EAL 4+ certificate that specifies the highest security requirements.

Innovation content #2

Digital signature in accordance with PDF and XML Advanced Signature (XAdES) international standards, timestamp and controlling validity of these. It can be integrated into several systems with several interfaces (webservice, JAVA, .Net). It promotes massive, server side processing, is a fault-tolerant, parallel processing system, can provide authentication of hundreds of thousands of electronic documents daily.

IT WARE

BASIC INFORMATIONS

Company name: **ITware Ltd.**

Year of establishement: **2001**

Share capital: **14 000,00 €**

Industry: **Infocommunication**

Company profile:
ITware is an experienced partner and a professional IT team, which offers full-scale, customized services in a flexible way for its domestic and international partners. The main activities of the company include the development and operation of embedded software and mobile communications systems.

International markets:
JP
IN

Contact person:
Telehone: (36)1/463-0620
E-mail: sales@itware.hu

Compay web: www.itware.eu

Short description #1

MOTIware breaks down the boundaries of ordinary television by adding community functions and offering a customized electronic service guide on user-focused, ergonomic surfaces on your mobile phone. The application allows multiple TV broadcast standards on various platforms, making it easily accessible for a broad mobile community. MOTIware offers tremendous opportunities for mobile operators and content providers, who want to obtain new revenue streams on the mobile communications market.

Innovation content #1

MOTIware is one of the first mobile television applications that runs on the IMS platform as well. Its framework helps to reduce development time and enhance the user's experience. It has its own UI supply (consistent on every platform) and makes the work of developers easier with backend functions. Using this framework can support our future mobile projects as well. MOTIware is platform-independent on the client side; it can be run on most of the currently popular mobile phone operation systems.

BUSINESS SOLUTIONS

Short description #2

Kojimori is a software for a serial server that reads sensor data from the serial port and forwards it on an IP-based network. The software ensures the publication of data in a local area network, measured by the gauge instruments which are connected to a serial ethernet converter by a serial port. The software allows the use of multiple gauge instruments for measurements and sends measurement results via TCP/IP or SMTP. It operates in monitoring and trigger driven mode as well.

Innovation content #2

Kojimori was developed according to a process protected by a Japanese world patent (WIPO Patent WO/2010/123044A1). It collects measurement data from the measuring instruments and stores it on a service provision server that is connected to a public line. These measurement values are compiled into measurement results and these results can be accessed via any platform connected to the internet.

BASIC INFORMATIONS

Company name: **ALOHA Ltd.**

Year of establishement: **1996**

Share capital: **9 898,00 €**

Industry: **Infocommunication**

Company profile:
Aloha Informatika has been an innovative player in the IT market for the past 15 years. Our service range includes installing, operating and maintaining enterprise IT infrastructure, which allows us toprovide turnkey implementations of comprehensive IT systems for small and large enterprises alike.

International markets:
RO
SL
PL
MEX

Contact person:
Telehone: (36)1/361-4260
Cell phone: (36)70/430-1229
E-mail: kenez.krisztian@alohainformatika.hu

Compay web: www.alohainformatika.hu

Short description #1

The taxi video, computer and billing system uses GPS technology to identify the covered route and comply with statutory requirements. In taxis, the GPS- and Internet-based system replaces traditional CB radio equipment. There are touch-enabled LCD displays integrated in the back of front seat headrests and the dashboard in front of the taxi driver. The displays are linked to a special computer featuring Wifi, GPS and 3G modules and a POS terminal to support billing and payment.

Innovation content #1

The project is unique because it is the only complex onboard system designed for taxi use in the global market. It is the first solution capable of generating extra service sales in taxis and featuring an advanced GPS-based programmable taxi meter immediately including the price of these extra services in the total of the taxi bill.

INDUSTRY

Short description #2

The server room control and management system enhances the cost-effectiveness and energy efficiency of thermal management in the server room. It monitors servers' energy consumption, measures processor utilization and accesses short-term local weather forecasts over the Internet. Based on the information collected, the system predicts expected cooling demand and designs the control signal accordingly.

Innovation content #2

Rather than using real-time external and internal temperature values, the system relies on short-term weather forecasts and predicted internal temperature values calculated from energy consumption and processor utilization levels. Another innovation is that instead of predefined optimization curves, the solution is built on an autonomous self-learning control system capable of adapting to the actual physical parameters of the server room.

AltaCom

BASIC INFORMATIONS

Company name: **AltaCom Ltd.**

Year of establishement: **2001**

Share capital: **68 100,00 €**

Industry: **Infocommunication**

Company profile:
ALTACOM, as a limited company, was founded in 2001. With the rapid rise of wireless technologies, the company developed several products which enable users to access information regardless of their geographical location at any period of time when it is necessary.

Contact person:
        Cell phone: (36)70/330-0969
        E-mail: tamas.centgraf@altacom.hu

Compay web: www.postershopper.eu

Short description #1

PosterShopper gives you the opportunity to shop easily with your mobile device. You can register you bank card in our website, and after that you just read the QR codes with your smartphone (Android, iPhone or Windows Phone 7) so you put the products in your cart, and buy these items (for more information please visit: www.postershopper.eu).

Innovation content #1

Nowadays we have lots of internet web shops where purchase is cumbersome, however, buying with your phone, shopping is more easy. The value-added of the phone purchase is that you don't have to waste time with your computer boot-up and application launch. Since your phone is always at your hands, the purchase with our solution is easy and quick. PosterShopper runs on all major platforms (Android, iPhone or Windows Phone 7).

Awards #1

Microsoft Cloud Factory (2012) – (www.devportal.hu/azure/page/felhogyar)

Short description #2

BookRoad is a new intelligent traffic jam management software. It is a huge problem to manage traffic jams in cities. With the BookRoad system you can manage the capacity of routes and zones. You can use the system on the web or with your smart phone. BookRoad has a traffic information module. (www.mjam.hu) It works together with more than 8000 vehicles in Hungary.

Innovation content #2

Nowadays the traffic jam system cannot manage city parts. With the Bookroad you can target a city resolution as small as you want. You can manage capacity in all zones and routes, and the traffic information system can show you up to date details on web or on your smartphone.

mobil**ə**ngine

BASIC INFORMATIONS

Company name: **Mobile Engine Ltd.**

Year of establishement: **2005**

Share capital: **137 889,00 €**

Industry: **Infocommunication**

Company profile:
Mobile Engine Ltd. is the leading service provider of mobile workforce management (MFWM). Our core product, Mobilengine helps field workers to become more efficient by providing data collection, reporting and data management on mobile.

International markets:
GB
MA
TR
RO
PL

Contact person:
Cell phone: (36)30/927-1177
E-mail: adam.dalnoki@mobilengine.com

Compay web: www.mobilengine.com

Short description #1

A cloud-based mobile field workforce management (MFWM) solution for enterprise customers. Mobilengine automates field work, makes it paperless, therefore boosting efficiency and management transparency for field worker divisions, that work outside the office, such as logistics, maintenance, sales, engineering etc.

Innovation content #1

The product's biggest advantage is that personalisation does not require additional software development while satisfying the most complex MFWM needs of customers. Fully customized mobile application and backoffice management reports are put together within 1-2 weeks without new coding. Therefore, Mobilengine cloud solution requires no investment for the customer. The application runs on all key smartphones.

Awards #1

EuroCloud Awards 2012, Best Cloud Service Product
(www.bitport.hu/trendek/eurocloud-day-2012)

green technology

biiOS **Bitel**

BASIC INFORMATIONS

Company name: **BITEL Ltd.**

Year of establishement: **1992**

Share capital: **58 486,44 €**

Industry: **Mechanical engineering**

Company profile:
After a decade of experience in technology-development, in 2005 Bitel Ltd. began developing the BiiOS building automation system. Today, our references include hotels, hospitals, office buildings, residential compounds and family homes. In 2012 we began developing our BiiOS dealer network.

International markets:
RO

Contact person:
Telehone: (36)1/401-4056
Cell phone: (36)30/403-5977
E-mail: aszalos.l@biios.hu

Compay web: www.biios.eu

Short description #1
The BiiOS building automation system has been developed by Bitel Ltd. since 2005. It offers a wide range of complete solutions for primary and secondary part mechanical engineering for any kind of building (family homes, office buildings, hotels, factory buildings etc.), as well as an RFID access system. The BiiOS system also includes a monitoring software called WebBiiOS.

Innovation content #1
From the early stage BiiOS has been developed with the goal to create an flexible building automation system which supports low operation costs and high versatility. Its modular build helps users to extend their working system with new functions or make the running system work even more efficiently. Because of its flexibility the same BiiOS devices are used for any building type. This leads to lower investment costs while enjoying the same quality level.

Awards #1
Hungarian Quality Award (2010)

ARTKLiKK

BASIC INFORMATIONS

Company name: **Artklikk Ltd.**

Year of establishement: **2005**

Share capital: **53 723,00 €**

Industry: **Infocommunication**

Company profile:
Since 2007 Artklikk has been focusing on applied research and product development in mobile telephony. Our main focus areas are the technology issues regarding live (and VOD) mobile video distribution corresponding with consumer content preferences, user experience enhancement and semantic analysis.

Contact person:
Telehone: (36)1/288-0172
Cell phone: (36)30/261-8977
E-mail: kovecs.luca@artklikk.hu

Compay web: www.artklikk.com

Short description #1

The fullXS™ system allows you to create and not develop your own mobile application which makes your LIVE and VOD video content available to the users immediately. You don't have to launch a long and expensive mobile application development. Just log on to the fullXS™ site, where you can create your own mobile application using your own contents in a few minutes.

Innovation content #1

FullXS eliminates the barrier for content owners and generators to mobilize their assets and easily monetize it. No software development or infrastructure is needed. Complete content service can be configured online with no developer resources needed, complete with mobile payment and ad solutions. Content creators can focus on what they are best at, content creation, thus dramatically reducing their time-to-market and cost-to-market.

Awards #1

Connected World TV Awards – Monetisatin Awards/Revenue Generation Award

HFC Technics

Ipari és Kereskedelmi Szolgáltató Kft.

BASIC INFORMATIONS

Company name: **HFC Technics Ltd.**

Year of establishement: **2000**

Share capital: **10 752,60 €**

Industry: **Infocommunication**

Company profile:
HFC Technics' services and product range has similarly expanded, and includes the full analog and digital television eco-system. HFC Technics' offering includes professional DVB and IPTV head ends, CMTSs, last subscriber outlets and CPE including software developments for IPTV and OTT services.

International markets:
RO
PL
SK
SRB
DE

Contact person:
Telehone: (36)1/273-1991/102
Cell phone: (36)20/464-1861
E-mail: a.pester@hfctechnics.hu

Compay web: www.hfctechnics.hu

Short description #1

TV on Internet – Mobile Broadcast and On-demand TV services on a centralized media platform. The aim of our development is a media platform which provides on time broadcast TV content delivery for mobile devices as smart phones, tabs and PCs. The platform also supports on-demand services and works on 3G and coming 4G GSM networks, too. The subscriber gets a cloud type service and can enjoy the same entertainment service as its ISP / CATV operator is offering.

Innovation content #1

The complex media platform includes streamer, transcoder and DRM (Digital Rights Management) parts, and different applications for mobile devices (for Android and Apple iOS). This platform can connect to centralized head-end solutions, or to existing CATV's or Telco's head-end infrastructure. The innovation is the integration of streaming parts with frame management software which performs the authorization of clients as well as the application for subscribers. This allows providing OTT (Over The Top) and IPTV service in a very cost-effective way.

Hungarian Government decree 303/2010 (XII. 23.) established the National Innovation Office (NIH) as a governmental body responsible for research, development and technological innovation. The Office operates under the direction of the Minister for National Economy; the Minister appoints its president and vice-presidents. Dr. György Mészáros is the president of NIH.

Main activities of the National Innovation Office:

- strategic planning and analysis
- establishing an information and analysis system (Kaleidoscope system)
- participating in the development and implementation of national science, technology and innovation policy (STI policy)

International affairs:

- boosting foreign investments in Hungary
- harmonisation of international and EU cooperation activities in the areas of STI policy
- coordination of bilateral science and technology (S&T) cooperation

The NIH's activities to support SMEs

- exploiting and promoting the market access of national RDI results
- supporting research cooperation and enhanced networking
- innovation management
- enhancing innovation activities of SME

In order to achieve its objectives, NIH operates in close cooperation with government bodies, ministries and offices, the Hungarian Academy of Sciences, higher education and research institutes, national and regional organisations, as well as industrial actors (industry, SMEs) involved in RDI.

Contact details of the National Innovation Office:

Address: H-1061 Budapest, Andrássy út 12.
Postal address: H-1241 Budapest, Pf. 160.
Phone: +36 1 484 2500
Fax: +36 1 318 7998
E-mail: info@nih.gov.hu
Webpage: www.nih.gov.hu

Kaleidoszkóp

INFORMATION SYSTEM
NATIONAL INNOVATION OFFICE

The Kaleidoscope (the name refers to the RDI sector's colourfulness) is the National Innovation Office's information system fulfilling the goals and needs of the Science and Technology Observatory. The Kaleidoscope creates a homogenous RDI analysing database which contains the sector's relevant organizations and those data and analysis which are important for the policies. On the basis of the database the affected parties from the field of RDI are involved to the exploration of the sector's problems and to the formulation of the possible solutions. Furthermore the data of the system and its services help the networking of the organizations from the public sector and others as well, their strategy-planning and market analyses activities.

Main goals of Kaleidoscope:

- supporting the networking in the RDI sector
- facilitating the evidence-based decision making
- supporting national and international statistical agencies
- facilitating the strategy planning in the field of RDI

The services of Kaleidoscope:

- general and sectoral RDI analysis and statistics
- data structures as basis of the analysis
- information about the publicly funded RDI projects
- register of Hungarian research infrastrustures
- map vased register of research organizations and enterprises
- search for project partners and project generating functions

The operator of Kaleidoscope is the National Innovation Office's Department of RDI Observatory.

The webpage of the Kaleidoscope system is: www.kaleidoszkop.nih.gov.hu/en

Kaleidoszkóp

INFORMATION SYSTEM
NATIONAL INNOVATION OFFICE