



The Winners

Milan, 2-4 October 2003

The European IST Prize



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The European IST Prize
trophy "le profil retrouvé"
has been created by
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The European IST Prize

The European IST Prize is an award for groundbreaking products that represent the best of European innovation in information technology. It provides public recognition and a highly visible profile to entrepreneurial teams that excel in generating and converting novel ideas and R&D into marketable products. The high standard of applicants and the competitive evaluation procedure for selecting the Winners make this Prize the most distinguished award for new IST-driven products.

Fifty to Seventy European IST Prize Nominees are selected among the applicants. The Nominees receive the recognition and quality label "European IST Prize Nominee".

Twenty European IST Prize Winners are selected among the Nominees. Each Winner company receives a Prize of €5,000, the European IST Prize Winner Certificate and the invitation to exhibit their winning product at the yearly IST Event.

Three European Grand Prize Winners are selected among the Winners. Each Grand Prize Winner receives a Grand Prize of €200,000 and the European IST Grand Prize Trophy.

The theme is: Novel products with a high information technology content and evident market potential.

All applications are assessed by independent experts nominated by Euro-CASE. An Executive Jury, composed of independent, highly respected European executives, nominated by Euro-CASE, selects the three Grand Prize Winners.

The European IST Prize is organised by Euro-CASE, the European Council of Applied Sciences, Technologies and Engineering, with the sponsorship and support of the Information Society Technologies Programme of the European Commission.

www.ist-prize.org

Statement

Mr Erkki Liikanen
Member of the European Commission

“ Experience from the past years shows that the European IST Prize generates international recognition and huge interest from venture capitalists, facilitating the start-up phase and access to finance” said Erkki Liikanen, European Commissioner for Enterprise and the Information Society. “The high standards of applicants and the competitive screening procedure make this Prize the most distinguished for new IST-driven products. ”



1 MR ERKKI LIIKANEN
2 THE EUROPEAN IST PRIZE TROPHY

The European IST Prize Winners

from 1995
to 2003

2C3D medical
3D Plus
3D Scanners Ltd
6WIND
AbsInt Angewandte Informatik
AcknoSoft
Active Knowledge
Advanced Engineering Technology
Advanced Technology
Advanced Travel Technology
AEC
Aitek
Aladdin Knowledge Systems
Animation Science
Aplio
Appear Networks
Applied Spectral Imaging
Arahne
Arkus Electronics
ATKOSoft
Auralog
AvatarMe
Avitraco
Baltimore Technologies
BATM Advanced
Communications
Beilstein Informationssysteme
Birdstep Technology
Bull CP8
C Technologies
Calluna Technology
CAS Software
Case Technology
CEDES and CESEM
Celsius Information System
CoWare
C-VIS Computer Vision und

Automation
Cybelius Software
Cycore Computers
Cygron Research &
Development
CyPak
Daimler Benz Aerospace
Daon
Decell Technologies
Decros
Decuma
Definiens
DFKI
Digicash
Digital Vision DV Sweden
Dresden 3D
ECO-DAN
Effnet
Ekahau
ELCA
ESC Electronic System
Concepts
Esterel Technologies
Etnoteam
Elan Informatique
Electrogig Technology
Elektronika
EXASOL
Expert Edge Computer
Systems
Eyetronics
Faculté Polytechnique de Mons
FAST Multimedia
Fast Search & Transfer
Fraunhofer IGD

GEMPLUS
Genesys Conferencing
Geutebrück & CO KG
Graphisoft R&D Rt
Grid Systems
Hewlett-Packard Laboratories
High Wave
Hugh Symons Concept
Technologies
HYDROINFORM
Hyperwave Information
Management
IBM
IBM Scientific Center, Institut
for Logic and Linguistics
ICL Information Technology
Centre
Icomera
ICONAG - Internet Control and
Automation
iD2 Technologies
Idevio
Idonex
ILOG
Immobiliser Central Europe
Ingenium Technology
In Medias Res
InMotion Technologies
Inobiz
Institute of Electronics and
Computer Science
InSightec
INTELLART
Intelligent Applications
Interactive Objects Software
International Center for
Numerical Methods in
Engineering - CIMNE
Intertex Data
interzart AG 3D COMMERCE®
INTRACOM
IVEE & Dept. of Computing
Science, Chalmers University of
Technology
IWI
k.s. Waves
Knowledge Concepts
Knowledge Support Systems
Group

LCI Computer Group
LEA
Linguatec
LMS International
Interconsult Bulgaria
Intershop Communications
LTU Technologies
LuraTech Gesellschaft für Luft
- und Raumfahrttechnologie &
Multimedia GmbH
Magori Consulting-Ingenieurbüro
Marratech
Materialdata
Medium Soft
Metaphor Systems
Microcosm
Mindlab
MINEit Software (Lumio)
MISON
MLS LaserLock International
Molynx
MONDECA
MorphoLogic
MRC Systems
M-Systems Flash Disk Pioners
NetGem
Nokia Mobile Phones
Nomai
Norwood Systems
NxN Digital Entertainment
Software
Océ
OMNIKEY
OnRelay
Oticon
PacketFront
Parkaid
Philips Austria, Multimedia
Business Systems & Solutions
Philips Magnetic Heads &
Modules (MH&M)
Picstel Technologies
PixTech
Plustech
Prism Technologies
Prous Science
QWED
Radionor Communications
Recognita

Redac Systems
Right Information Technology
RunTime
Sandbox Security
SC Softwin
Scalado
Shockfish
Siemens Nixdorf Informations
systeme LOB GP
Silmag
SIMONE Research Group sro
Sirma AI
Snell & Wilcox
Softissimo
Spectronics Micro Systems
SSH Communications Security
Steinbeis-Transferzentrum
Medizinische Informatik
STMicroelectronics
SWT
SYLLEM
Sympalog
Syngene division of Synoptics
Tadiran Spectralink
Target Compiler Technologies
TCTS Lab.
TechForce
Technical University of
Budapest, Dpt. of
Telecommunications and
Telematics
Technopuce
Telemedia
Teles

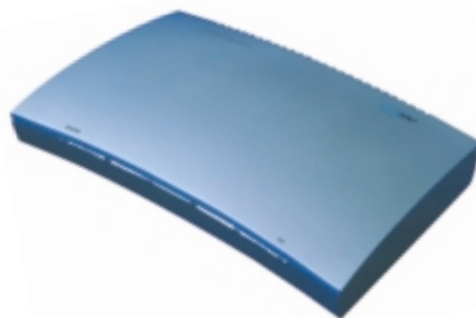
The PhonePages of Sweden
TransAction Software
Trusted Logic
TTTech Computertechnik
Unis
Universitat Politècnica de
Catalunya & Sistemas
Radiantes F. Moyano (Fractus)
University of Greenwich
Vingmed Sound
VIRTOOLS
VISUCOM®
VITEC Multimedia
VITRONIC
Bildverarbeitungssysteme
ViVi Software
Wany
Web Educationat Support Tools
(West)
XiTact
Zeneca

See all the Winners at :
www.ist-prize.org/winners/winners.html

The 2004* European IST Prize Winners

- 08 6WIND (F)
- 09 AbsInt Angewandte Informatik (D)
- 10 Appear Networks (S)
- 11 CEDES and CSEM (CH)
- 12 Daon (IRE)
- 13 ELCA (CH)
- 14 EXASOL (D)
- 15 Fast Search & Transfer (N)
- 16 Icomera (S)
- 17 InSightec (IL)
- 18 Intertex Data (S)
- 19 LEA (F)
- 20 Linguattec (D)
- 21 Picstel Technologies (UK)
- 22 Prous Science (E)
- 23 Radionor Communications (N)
- 24 SWT (F)
- 25 SYLLEM (F)
- 26 Tadiran Spectralink (IL)
- 27 University of Greenwich (UK)

* The Prizes are awarded at the end of the year.
To allow the European IST Prize Winners to fully benefit from their nomination, the Prizes are named the year after they are awarded.
The Prizes awarded in September 2003 are "the 2004 European IST Prizes".



6WINDGate

Allows the deployment of new generation Internet Services (IPv6) on Access Networks, for the benefits of Operators, ISPs and end users.

The product

The current version of the Internet Protocol (IPv4) cannot support the anticipated demand for interconnections between billions of new generation fixed and mobile devices, including telephones, personal digital assistants, television sets, cars and computers. A new version (IPv6) has been designed to drastically increase addressing capacity and to provide the necessary infrastructure for the deployment of new services.

6WINDGate is a unique technology providing the most complete set of IPv4 and IPv6 features and allowing the integration of the new protocol version in the current Telco and ISP networks.

6WINDGate is today a product line with three ranges of equipment allowing the interconnection of enterprises or public and private organizations to network access providers.

6WINDGate allows ISPs and Telcos to extend their business model by providing new services thanks to the product capacities in terms of management of quality of traffic, security and mobility of users.

Thanks to 6WINDGate, the evolution of the Internet is transparent for the users as the technology takes care of the compatibility between IPv4 and IPv6.

The company and the team

The company, created in 2000, is a spin-off of highly talented and experienced executives and engineers from the multinational industrial group Thales. 6WIND's technology is the result of 7 years of R&D. The company has multiple patents and created powerful and innovative technology on the market for access and edge equipment in anticipation of migration of the present IP architectures toward IPv6.

6WIND is a major contributor to the building of the new Internet and is recognized as a leading force in IPv6. Its engineers have been participating in the specification of the new Internet protocols and are actively involved in their implementation on trial and pre-commercial platforms. Over thirty prestigious Universities and leading Telco's in Asia and Europe already use 6WIND products.

6WIND employs around 40 people in France and Asia and cooperate closely with laboratories such as Euronetlab for R&D programs. The company Chairman is also the Co-founder and Vice-President of the IPv6 Forum, President of the French IPv6 Task Force and Vice-Chairman of the China IPv6 Council.

Contact	Mr Patrick Cocquet
Address	Immeuble Central Gare - 1 place Charles de Gaulle 78180 Montigny-le-Bretonneux
Country	France
Telephone	+33 1 39 30 92 14
Fax	+33 1 39 30 92 11
E-mail	patrick.cocquet@6wind.com
Web	www.6wind.com



aiT WCET Analyzer

The world's first automatic software tool helping developers of safety-critical applications to verify that their programs will always react fast enough.

The product

In real-time systems, tasks have to be completed within a specified timeframe in order to ensure that the system works correctly. Many control devices are safety-critical, like fly-by-wire systems in airplanes or ABS, airbags or engine control in today's cars. It has to be guaranteed that tasks always meet their deadlines.

AbsInt's aiT WCET Analyzer is a tool for ensuring task timeliness in safety-critical systems. It is based on statically analyzing a task's intrinsic cache and pipeline behavior. This enables correct and tight upper bounds to be computed for the worst-case execution time (WCET). These bounds are valid for all inputs and each task execution.

The aiT WCET Analyzer can replace the widely-used but error-prone methods based on measuring time. There is no longer any need to measure execution time over and over again. Ensuring deadline adherence is not done at the expense of hardware resources. Safety-critical systems can be designed more cost-effectively.

The company and the team

Founded in February 1998, AbsInt Angewandte Informatik GmbH leverages the experience of more than 20 years of research in compiler technology and program analysis. AbsInt provides sophisticated software products and advanced services in the areas of worst-case execution time, compiler optimization, and static program analysis. AbsInt is privately owned and currently has a staff of 15.

AbsInt's members have produced an impressive body of research results in program optimization and program analysis and have received numerous awards for their scientific work. These results have now found their way into a series of technically sophisticated cutting-edge products. This background combined with a focus on generator technology and generic approaches allows an extremely quick, sound and flexible response to customer needs. This has been proven in a series of successful projects and by outstanding customer satisfaction.

Contact	Dr Daniel Kästner
Address	Stuhlsätzenhausweg 69 66123 Saarbrücken
Country	Germany
Telephone	+49 681 831 83 17
Fax	+49 681 831 83 20
E-mail	kaestner@AbsInt.com
Web	www.AbsInt.com



Appear Provisioning Server 3.5

Click & Run™ Technology makes software download and upgrade as easy as retrieving an email.

The product

Appear Provisioning Server is a software platform currently used in wireless “hotspot” networks, such as European airports, subway stations or conference venues, to deploy contextual wireless services.

Contextual services are applications that “appear” spontaneously, depending on your context:

- Who you are: maintenance personnel or railway passenger?
- Where you are: cruising in a exhibition center or resting in an airport lounge?
- When you are there: need a restaurant tip at lunch break or trying to find the next flight?

In real life, most users have rarely used a handheld device (pocketPC, tabletPC), but all of them have used a mobile phone or retrieved an email on a desktop, so our Click & Run™ technology is as easy as that!

- Services automatically appear by zone
- Applications can be downloaded, installed and run in a single click
- Applications can be saved for offline use or disappear later to save memory

The instant application distribution concept (download the application when you need to use it) makes sure that you always get the latest version of the application.

The company and the team

Appear Networks is a Franco-Swedish company specializing in innovative software platforms for wireless networks, with a particular emphasis on WLAN (Wifi) networks, human-machine interfaces, Java and Open Source software.

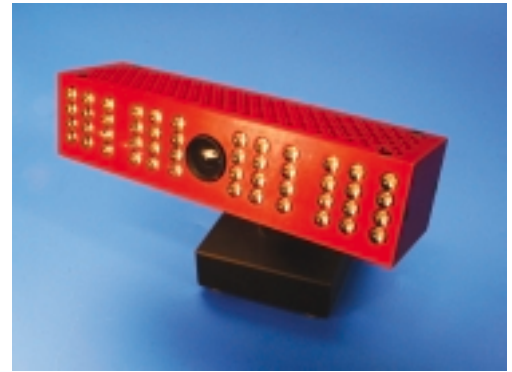
The company originates from research conducted at the Royal Institute of Technology of Stockholm and at the Harvard Business School of Boston, which led in 2000 to two patents around contextual services over local wireless networks. The current team is an international mix of solid entrepreneurial background and deep technical expertise, with 6 nationalities represented in the current team of 17.

Appear Networks has successfully partnered with leading IT companies such as Intel, Cap Gemini Ernst & Young, Fujitsu-Siemens Computers, IBM Global Solutions and Cisco. Its current customers are large corporations such as RATP (French Subway), SNCF (French Railway), SL (Stockholm Public Transport Authority), CGEA-Connex (group Veolia Environnement), FMV (Swedish Defense), Sagem Defence & Security, and operators such as France Télécom R&D.

Contact	Mr Xavier Aubry
Address	Björnnäsvägen 21 11347 Stockholm Sweden
Country	Sweden
Telephone	+46 8 545 91 370
Fax	+46 8 545 91 389
E-mail	xavier.aubry@appearnetworks.com
Web	www.appearnetworks.com

CEDES

csem



ESPROS/TOF SwissRanger™

Capture the world as it is — in all three dimensions: miniaturized optical time-of-flight 3D range cameras with high performance for everybody.

The product

Our world is three-dimensional, and most animals can also perceive it in this way. However, today's solid state cameras only provide two-dimensional images, a poor copy of our complex, dynamic environment.

This changes all with the ESPROS/TOF SwissRanger™ series of optical 3D cameras. For the first time the optical time-of-flight principle is commercially exploited in a fully solid-state, miniaturized and cost-effective camera, for acquiring complete 3D image sequences at video speed and even faster without any moving parts. The key to this disruptive technology are our patented lock-in pixels, capable of measuring the arrival time of optical pulses with a precision of better than 50 picoseconds. This corresponds to a distance resolution of below 1 cm, actually achieved under favourable conditions for a maximum distance of around 10 m.

The availability of our low-cost, easy-to-use and eye-safe 3D cameras opens up a large number of applications in safety and security applications, in automotive and public transportation, in automatic manufacturing, in domotics, for living aids, entertainment and many more.

The company and the team

CEDES AG is a privately owned Swiss company in the field of safety and information systems, automation, monitoring, industrial computers and control. Last year's turnover was CHF 25 million. Today CEDES has 170 employees. The technology of CEDES is based on optical sensors using active infrared technology and image processing. The product program is divided into three areas: the lift industry, automatic doors and gates industry, and machine industry. Very high quality products are developed and sold at competitive prices in more than 55 countries world-wide.

CSEM SA, the Swiss Center for Electronics and Microtechnology, is a privately held company active in applied research, product development and prototype production. CSEM is principally active in the fields of microtechnology, microelectronics, photonics and systems engineering. CSEM's photonics research focuses on micro-optical components and replicated systems, smart image sensors using CMOS/CCD technology and systems engineering for high-performance optoelectronic microsystems. CSEM has 270 employees; over two-thirds hold an academic degree.

Contact Mr Beat De Coi
Address Weststrasse
 CH-7302 Landquart
Country Switzerland
Telephone +41 81 307 23 23
Fax +41 81 307 23 25
E-mail beat.decoi@cedes.com
Web www.cedes.com

Contact Mr Peter Seitz
Address Badenerstrasse 569
 CH-8048 Zürich
Country Switzerland
Telephone +41 1 497 14 48
Fax +41 1 497 14 00
E-mail peter.seitz@csem.ch
Web www.csem.ch



DaonEngine

DaonEngine is a mission-critical biometric identity management platform.

The product

Governments and corporates across the world are challenged with

- A sense of urgency to improve security against the threat of terrorism
- Protecting intellectual and physical assets, streamlining electronic processes
- An increase in identity theft and fraud
- An increased emphasis on electronic service delivery

DaonEngine enables

- Increased security of travellers through Borders, Immigration and Passport control
- Controlled access to data through strong authentication
- A highly secure and reliable form of electronic signatures
- A secure audit trail for all transactions
- The convenience of a single means of signing on to multiple applications

DaonEngine is a mission critical, identity management platform that integrates best of breed authentication technology. It provides policy driven multi-modal, multi-factor authentication services based on tokens and biometrics (finger, face, iris). It also provides a single point of integration to the application infrastructure through our rich API Connector Framework. Daon's technology can scale to ten's of millions of users.

The company and the team

Daon is a leading biometric identity management company focussed on opportunities within Government, Financial and Pharmaceutical markets. The group headquarters are in Dublin together with R&D and sales offices located in London, New York and Washington D.C.

Daon has already installed the world's first integrated biometric physical and logical access control system at a leading London Airport. Daon's technology has been selected and incorporated in building the most advanced test bed for the US VISIT / Entry Exit System. Daon currently chairs the European Biometric Forum – Europe's voice on biometrics which is part-funded by the European Commission.

Daon's route to market is through partnering with System Integrators and our direct sales force. We build focussed Go-To-Market plans and sales strategies with large accounts. Our business model is mainly software licensing and maintenance contracts though we continue to develop a services capability to deal with smaller implementations and to train our system integrators.

Daon was founded in February 2000 by leading entrepreneur and financier, Dermot F. Desmond. The company shareholders are the founder and employees.

Contact	Mr Tony Murphy
Address	IFSC House, Custom House Quay Dublin 1
Country	Ireland
Telephone	+353 1 818 1640
Fax	+351 1 818 4455
E-mail	tony.murphy@daon.com
Web	www.daon.com



SecuTix™

The revolutionary approach to the home delivery of tickets and other secure paper documents via the internet.

The product

SecuTix™ solves one of e-commerce's basic problems, i.e. the physical delivery of original secure documents and value papers such as tickets, coupons, certificates, or vouchers.

Secured by a worldwide patented microstructuring process, the documents are instantly delivered to the client's home or office, where they can be printed on a standard printer, using normal paper. Subsequent checking is rapid and secure, both visually and electronically, whereby the visual control already gives a sufficient level of security.

Like this, costs and time required to handle and distribute tickets and value papers are reduced to the minimum.

In this respect, SecuTix™ is a revolutionary technology, it basically changes the decades old way how tickets and value papers are produced, distributed and used. And in a socio-economic view, it enables a cheaper access to culture, sports, transportation and entertainment.

The company and the team

ELCA is a leading Swiss IT-services company based in Lausanne with branches in Zürich, Genève, Bern, London, Paris and Ho-Chi-Minh-City (Off-shore development). Founded in 1968, it has now about 350 employees and is a private shareholder company. Turnover reached 51,9 millions of Swiss Francs (~34 millions of Euros) in 2002, after a continuous growth for more than 15 years.

Over a hundred customers originate from various fields such as financial services, insurances, transportation, telecom, industry, services, government agencies, aerospace etc., spread throughout Switzerland's economy and some neighbouring European countries.

As one of its several main activities, ELCA is – in close cooperation with the Swiss Federal Institute of Technology in Lausanne – developing and commercialising solutions for the ticketing area as well as for fields where traditional value papers can be replaced either by an internet home printing solution or by delivery of an image on a mobile device.

Contact	Mr Martin Graf
Address	Steinstrasse 21, Postfach CH-8036 Zürich
Country	Switzerland
Telephone	+41 (0)1 456 32 11
Fax	+41 (0)1 456 32 00
E-mail	martin.graf@elca.ch
Web	www.elca.ch



Data Warehouse Accelerator (DWA)

The DWA speeds up data warehouse systems being more flexible and less expensive at the same time.

The product

Today business intelligence and data warehousing (BI/DW) deliver most of the key information business decisions and process optimisations are based on. In global and dynamic markets it is important and often even a competitive advantage for enterprises to access this information fast and with high quality.

However, due to the size of today`s databases the value of information is often limited by long response time for analysis, high IT cost and poor quality in results. As the data amount grows nearly twice as fast (100 % p.a.) than computer performance (60 % p.a.) this problem increases every year.

EXASOL has met this challenge by developing a new software, the DWA. Based on efficient algorithms, unique parallel computing technologies and innovative data processing concepts the DWA outperforms all data warehouse tuning technologies.

Running on linux-based PC-clusters the DWA speeds up existing data warehouses by factor 100 and more using plug-in technology with highly parallel co-operating processes. This allows customers to analyse their data exactly as before but faster, at lower cost and at better quality in results.

The company and the team

EXASOL`s intention is to understand the business needs of their customers to help them get accurate and timely intelligence from their data warehouses in order to have better and faster business decisions.

“IT investments for data warehouses will increase tremendously in the next years using standard technology. We offer IT solutions which grow easily with the data amount at a reasonable price” says Dr. Michael Gutzmann who founded EXASOL in 2000 after more than 10 years of experience and research in parallel computing.

He and his partner Rouven Westphal run the company that currently employs more than 20 IT specialists from all over Europe. EXASOL is a fast growing company creating new jobs for young and experienced IT talents.

The idea is to partner with customers and universities all over Europe in order to develop IT solutions which are both innovative and customer-focused. The DWA provides the performance that is required for intelligent business management. Customers using the DWA technology will have the right information at the right time to make their business a success. EXASOL is located in Nuernberg, Germany.

Contact	Mr Rouven Westphal
Address	Neumeyerstr. 48 90411 Nuernberg
Country	Germany
Telephone	+49 911 25 26 252
Fax	+49 911 25 26 251
E-mail	westphal@exasol.com
Web	www.exasol.com



FAST Data Search™

FAST Data Search, an infinitely scalable real-time enterprise search technology, delivers powerful real-time search solutions, business search management tools, and information analysis capabilities for user- and data-intensive environments.

The product

In today's data intensive environment, it is more difficult to manage all of the expanding silos of disjointed data throughout an organization. FAST Data Search is a real-time search and information retrieval technology that efficiently handles any type of data; text, numbers, or multimedia – both structured and unstructured.

FAST Data Search provides real-time data flows with no need for high-latency batch processing. The data can be accessible via the search interface within a second after being pushed into the system. The architecture is open and modular, and built as scalable modules that distribute the load across multiple servers, hence, capable of scaling to tens and hundreds of terabytes of data and thousands of queries per seconds.

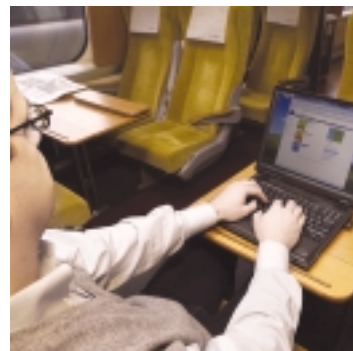
FAST Data Search software reduces overall hardware costs due to very efficient scaling capabilities, and also delivers exceptional business value by exploiting the data residing in other resident enterprise applications through complete data integration - thereby increasing ROI and lowering TCO for client organizations.

The company and the team

Fast Search & Transfer ASA (FAST) was founded based on academic research at the Norwegian University of Science and Technology in Trondheim, Norway. FAST delivers the real-time search and filter technology solutions behind the scenes at the world's best known companies with the most demanding search problems such as AT&T, Cardinal Health, CareerBuilder, CIGNA, Dell, FirstGov.gov (GSA), Freeserve, IBM, Lexis-Nexis, Matrix (Italia Telecom), Overture, Reed Elsevier, Reuters, T-Online (Deutsche Telecom), and many more. FAST's flexible and scalable integrated technology platform enables enterprise customers to elevate their search capabilities to unprecedented levels, connecting people to the relevant information they seek regardless of medium, in turn driving revenue and reducing total cost of ownership by effectively leveraging existing IT infrastructure.

FAST operates globally with offices in the United States (Boston, San Francisco), Europe (Norway, France, Germany, Italy, UK), and Japan. FAST is publicly traded under the ticker symbol 'FAST' on the Oslo Stock Exchange. Please visit www.fastsearch.com for more information.

Contact	Dr Bjørn Olstad
Address	Støperigata 2, PO Box 1677 Vika 0120 Oslo
Country	Norway
Telephone	+47 23 01 12 00
Fax	+47 23 01 12 01
E-mail	bjorn.olstad@fast.no
Web	www.fast.no



Wireless Onboard Internet™

A complete end-to-end communication solution enabling real-time wireless onboard Internet for passengers and train staff.

The product

Wireless Onboard Internet™ is a revolutionary new service enabling passengers and train staff to browse the Internet, check e-mails and access corporate data. It is a total end-to-end wireless communication solution including all hardware, software and communication channels using satellite for broadband capacity and multiple GSM links in parallel for reliability. While the train is moving through the landscape at high speed, the system will use the best available network links to secure a reliable and high-bandwidth Internet connection to the train.

The solution fully supports Authentication, Authorisation & Accounting (AAA) to enable integration with back end systems. Icomera's Remote Management System enables monitoring of each system from any location, ensuring quality of service.

The solution improves the overall travel experience for passengers enabling them e.g. to work online with corporate resources. Icomera's Wireless Onboard Internet™ offers a rich set of functions that the train operator can use to generate revenue through value added services, to win market share and increase number of passengers.

The company and the team

Icomera is a leading provider of wireless communication solutions for enterprise and transportation vehicles including trains, buses and trucks. Icomera's solutions provide mobile staff, passengers and vehicle equipment optimised, convenient and reliable access to business critical information and instant collaboration applications.

Founded in 1999, a team with extensive experience of wireless communications solutions developed a unique and patented technology into a commercially available service. Scandinavian train operator Linx are running Icomera's Wireless Onboard Internet on its high-speed trains and several other train operators around Europe are piloting the system.

Contact	Mr Kristian Axelsson
Address	Stena Center 1C 41292 Göteborg Sweden
Country	Sweden
Telephone	+46 31 760 62 52
Fax	+46 31 772 80 91
E-mail	kristian.axelsson@icomera.com
Web	www.icomera.com



ExAblate 2000™

The system replaces the surgical scalpel with focused ultrasound waves for non-invasive treatment of benign and cancerous tumors.

The product

Imagine using a magnifying glass to start a fire. The sun's energy focuses on a small point which heats quickly and ignites the flame. Similarly, ultrasound waves, widely used in medical imaging, are focused on a specific spot in the body to perform non-invasive surgery.

ExAblate 2000™ delivers focused ultrasound energy to a targeted spot and eradicates tumors without cutting the skin or affecting surrounding tissue. Used with a Magnetic Resonance Imaging (MRI) scanner it provides a "3D window into the body" enabling doctors to accurately plan and monitor the procedure, including temperature-sensitive images after each pulse. This ensures complete and safe treatment.

Uterine fibroids, ExAblate 2000's first application, affect up to 70% of all women. Up to 25% require a surgical procedure, most commonly hysterectomy, for symptom relief. ExAblate 2000 offers a non-invasive alternative, with no hospitalization, and no recovery time. The single session procedure is conducted in an outpatient setting with only light sedation. The very next day patients return to full daily activities. The surgery of the future is here.

The company and the team

InSightec Ltd. develops, markets and sells focused ultrasound systems used in conjunction with Magnetic Resonance Imaging to treat tumors. This revolutionary concept moves treatment out of the operating room and into the out-patient setting, without hospitalization and long recovery time.

Founded in 1999 the company's motto is "bringing therapy into focus" which envisions transforming many standard surgical procedures into non-invasive or minimally invasive therapeutic procedures using focused ultrasound.

The company employs over 70 people in Israel and the US, among them 15 PhDs and MDs. Since its inception InSightec has invested over \$50 million in R&D to develop its breakthrough technology and to conduct clinical research. Its main shareholders are Elbit Medical Imaging, GE Medical Systems and employees.

Other applications under clinical investigation include benign and malignant breast tumors and brain tumors. Additional potential applications include liver, bone, kidney, thyroid, and prostate tumors.

Contact	Dr Dov Maor
Address	7 Etgar St. 39120 Tirat Carmel
Country	Israel
Telephone	+972 48 13 13 29
Fax	+972 48 13 13 22
E-mail	dovm@insightec.com
Web	www.insightec.com



Intertex IX66 Internet Gate

The IX66 Internet Gate is a broadband firewall/router with support for SIP through a built-in SIP proxy and registrar. A built-in ADSL modem, wireless access point or VPN gateway are optional.

The product

The IX66 Internet Gate is a firewall and router for the small office and home office with a unique support for the SIP Internet protocol. SIP is used for real time person-to-person communication over the Internet, such as IP telephony, instant messaging, presence, voice and video communication, data collaboration and more. SIP communication is expected to be the next large usage of the Internet after e-mail and the web. However, traditional firewalls and routers cannot handle SIP traffic between the Internet and the users on the LAN.

The IX66 Internet Gate includes all the functionality of a typical small firewall/router but also features not normally found. In addition to the SIP support, the IX66 comes with an optional ADSL modem, with automatic operator login, e-mail notification, a true packet filtering firewall, an award winning web based user interface and more. There are also wireless and VPN versions.

The IX66 Internet Gate was introduced in early 2002 and is being continuously developed and extended. With the expected SIP break through, the market for the IX66 is expected to increase drastically within the next few years.

The company and the team

Intertex was founded in 1982 by current owner Karl Erik Ståhl and has been in the telecommunications business since its start. Intertex has 20 employees that focus on product development, marketing, sales and logistics. Manufacturing is subcontracted to an outside factory in Sweden. Most employees have university degrees in science or business administration.

The company started out developing teletex adapters in the 1980's and then moved into the business of developing and selling dial-up modems during the 1990's. Products were sold under several different OEM brands, including Telia SurfinBird, PowerBit, Haeussler, British Telecom and others. Intertex is known as an innovator in the communication market and is continually at the forefront of introducing new technology into the marketplace.

Since 1998 Intertex has focused on developing products that support the Session Initiation Protocol, SIP. SIP is an IETF protocol described in RFC 3261. Intertex current products solve the problem of getting SIP traffic through firewalls and routers, and offer high SIP functionality through the built-in SIP server.

Contact	Mr Martin Feuk
Address	Rissneleden 45 174 44 Sundbyberg
Country	Sweden
Telephone	+46 8 62 82 828
Fax	+46 8 62 86 414
E-mail	martin.feuk@intertex.se
Web	www.intertex.se



ELEKTRA PLC Connection Kit

ELEKTRA PLC Connection Kit is the most innovative Plug & Play solution to deploy a home network and to distribute high speed internet access using indoor POWER LINES.

The product

The ELEKTRA gateway and the NETPLUG device forms the LEA PLC (Power Line Communication) solution to offer to the user many connecting possibilities since every power socket becomes a connecting point. Connect ELEKTRA to an ADSL plug, then plug in NETPLUG in the power outlet, you have just created a BROADBAND HOME NETWORK with an ADSL connexion to deploy a broad range of home services such as video, voices, network gaming, home automation, internet appliances, data.

Once the ELEKTRA residential gateway runs, you can plug in the NETPLUG from any power socket in the building and connect the PC or other devices to the PLC network with USB or Ethernet interface and then create instantly a network access point. The LEA PLC Kit is dedicated to a large community of Internet users including SOHO, schools, hotels, Internet Service Provider and residential customer.

This useful (Access to many new broadband services), flexible (Multiple outlets in any room), reliable (Encryption engine/security/Firewall), easily to install, and cost effective kit enables to create a broadband network inside the building without RE-WIRING.

The company and the team

Established in year 1999, LEA S.A. is a world class and ISO9001 certified supplier of ADSL/VDSL splitters and PLC (Power Line Communications) solutions for the Broadband wire line market. LEA is currently offering xDSL interoperability testing.

LEA S.A. is operating at the worldwide level with two design centres in France (Cesson Sevigné - xDSL technologies and Paris/Courbevoie - PLC technologies) and three sales offices in UK, the USA and China. The company is fables and subcontracts all its manufacturing in Asia and Europe.

LEA's staff consists of 40 people including 25 engineers specialised in VLSI design, xDSL testing, Analog and Digital signal processing, and telecommunication broadband system design. LEA S.A. holds significant patents in the xDSL filter design (both active and passive) and in the PLC field (OFDM and related technologies).

The Chairman of the board is Eric Berthaud, founder of the company. The Chief Operating Officer is Dr. Dominique Garreau, founder of Kurtosis Ingénierie S.A. (acquired by LEA in January 2001). The Chief Technology Officer is Thierry Fernandez, X-telecom Paris.

Contact	Mr Eric Berthaud
Address	52/54 Rue du Capitaine Guyemer 92415 Courbevoie cedex
Country	France
Telephone	+33 1 49 97 05 30
Fax	+33 1 49 97 05 31
E-mail	berthaud@leacom.fr
Web	www.leacom.fr



Beyond Babel

With BEYOND BABEL people can communicate with each other across language barriers. It translates spoken input in one language into spoken output in other languages. At present the system supports English, French and German.

The product

Speech and language technologies have made rapid progress in recent years. More advanced algorithms and faster computing power have increased the quality and speed of speech and natural language processing.

BEYOND BABEL combines the following state-of-the-art technologies into one intuitive application:

- Speech recognition
- Machine translation
- Speech synthesis
- Active noise cancellation via digital signal processing

The system uses a distributed server architecture and can be used from any standard PC with internet connection. Depending on the bandwidth, different modules can either be installed locally or be accessed via the internet. The complexity of the technology remains invisible to the user. BEYOND BABEL is intuitive and easy to use, e.g. in a multilingual conferencing system, one-to-one communication, voice-enhanced chat and eventually also telephone and mobile applications.

The company and the team

linguatec is a private company specialized in the development and marketing of language technology solutions. Founded in 1992, linguattec has built up significant expertise in the area of machine translation, speech recognition, speech synthesis.

Recent technological breakthroughs have opened up significant market opportunities for innovative language and speech products. The strategy of linguattec is to develop leading-edge language technology solutions together with research and industry partners and to rapidly transform this technological competence into successful products. To achieve these goals, linguattec works with a network of partners such as IBM, Ericsson, LES, Olympus, Palm Europe and various universities with complementary skills to reduce development time and to reach the full market potential.

Contact	Dr Reinhard Busch
Address	Gottfried-Keller-Str. 12 81245 Munich
Country	Germany
Telephone	+49 89 89 66 64 11
Fax	+49 89 88 91 99 33
E-mail	r.busch@linguatec.de
Web	www.linguatec.de



Picstel's ePAGE™

Picstel's ePAGE™ enables the "beyond-PC" experience, delivering the full richness of existing desktop, web and multimedia content directly to users of Smart Phones, PDAs and Web Tablets.

The product

Picstel's ePAGE is fast becoming the mobile content delivery platform of choice for the world's leading device manufacturers and network operators. The ePAGE multimedia content engine allows a broad variety of consumer electronic devices to easily access, view, edit and print any form of electronic content, regardless of how it was created. ePAGE handles all popular content formats, including HTML (with functionality for Internet Browsing), MS Word, Excel, PowerPoint, Adobe PDF, Flash, and Images, and has full support for static, dynamic and interactive content including video and animations.

At the heart of ePAGE is a unique architecture and rendering engine, which surpasses all existing performance benchmarks. Utilising innovative graphics and user interface concepts, the system allows the user to zoom, pan, and scroll the visual display with instantaneous response. Users are also able to mix content types in the same display screen, for example an Excel spreadsheet with streaming video, move them independently etc, without the complexity of a PC-style windowing system, content re-engineering or the need for separate applications for each format.

Picstel's ePAGE technology is deployable in many ways, and is available in three industry-leading applications – Picstel File Viewer, Picstel Browser and Picstel Messenger.

The company and the team

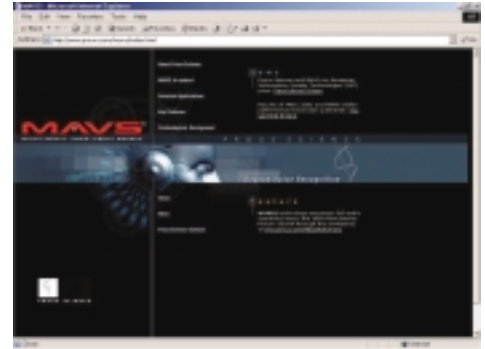
Founded in 1998, Picstel Technologies currently employs 81 people worldwide, at its Head Quarters in the UK, Japan and US offices.

Led by founders, Imran Khand CEO and Dr Majid Anwar Chief Scientist, and funded by some of the worlds leading VCs, including Softbank, BancBoston, Yasuda Enterprise and Mizuho Bank - the company has successfully developed and commercialised the ePAGE technology since its inception in 1998. To date, the company can boast software licenses to several of the world's largest technology firms, including NTT Docomo, Sony, Samsung, Intel and Panasonic.

Contact	Dr Jack McGinley
Address	Titanium House, Braehead Busines Park, Kings Inch Road, Glasgow G51 4BP Scotland United Kingdom
Country	United Kingdom
Telephone	+44 141 885 55 88
Fax	+44 141 885 55 99
E-mail	jack.mcginley@picstel.com
Web	www.picstel.com



PROUS SCIENCE



MAVS® - Multilingual Audio Visual Search

MAVS®, is a speaker and dictionary independent voice recognition technology that indexes multimedia content with industry-leading accuracy and performance in several languages.

The product

Prous Science developed MAVS®, (Multilingual Audio Visual Search) as a useful tool to search through its vast archives of scientific and medical content. As a leader in broadcasting medical conferences, the company needed a system that would allow any user to search specific terminology within this multimedia content.

Before MAVS®, this would be a highly labor intensive endeavor as the content of each speech would have to be manually transcribed and synchronized with the video. MAVS®, is a breakthrough voice recognition technology that indexes multimedia content without a specific acoustic training to match a given speaker's voice. In addition, there is also no need to incorporate names or terms specific to a given professional field into the system before it can recognize them.

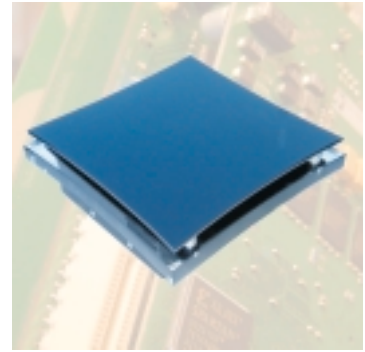
All industries and business sectors produce multimedia content and the technological challenge is not how to produce information, but how to retrieve it. Voice recognition is one of the fastest growing areas of technology and it is estimated that this specific market by 2005 will be above US\$5 billion. In this regard, MAVS®, provides a clear solution as the applications for this technology are limitless.

The company and the team

In recent years, Prous Science has evolved from a traditional content provider in the scientific and medical fields to a leading company in creating and delivering products and services for the international biomedical community. This has been due to a firm dedication to technological innovation. As a direct result, researchers and medical experts from all over the world use the company's products on a daily basis. Prous Science is based in Barcelona, Spain with subsidiaries in Philadelphia, Tokyo and Buenos Aires with more than 60% of overall revenues being derived from electronic content solutions.

In 1995, Prous Science declared the Internet as an essential part of its growth strategy and soon after, in May 1996, the European Union awarded the company with the prestigious WorldWideWeb Business Award. At present, the Advanced Internet platform has directed content evolution towards a format of high quality and fast transmission, allowing for the introduction of a series of thematic channels in bio-medicine and health. Continuing with its innovative tradition, the company is developing a series of R&D projects in the fields of information technologies and drug discovery.

Contact	Dr Josep Prous
Address	Calle Provenza 388 08025 Barcelona Spain
Country	Spain
Telephone	+34 93 459 22 20
Fax	+34 93 458 15 35
E-mail	service@prous.com
Web	www.prous.com



Cordis RadioEye™

A hardware-based microwave sensor capable of processing the physical locations of WiFi™ terminals in local area networks with an accuracy of 1 meter.

The product

Cordis RadioEye™ performs direct analysis of the emitted radio wave energy from the Wireless communicating terminal to compute its physical geographical location. Its unique features make the product totally independent of the main wireless network infrastructure and require no changes to hardware/software of the network products or clients. A single Cordis RadioEye™ computes and delivers the location data together with the decoded address of the terminal, using an XML interface protocol. The hardware-based processing engines provide real time location updates of the active network terminals.

The core technology is a novel application of well established and new technologies, advanced mathematics, intelligent antennas, and new optimised processing strategies, all in a unified processing model of mixed mode (analogue and digital) designs – that are all part of the company's international patents.

The products are OEM/licensed to application builders and network operators, giving wireless networks precise location capabilities thereby enabling new intelligent connectivity strategies and optimised communication performance for the mobile computing market.

The company and the team

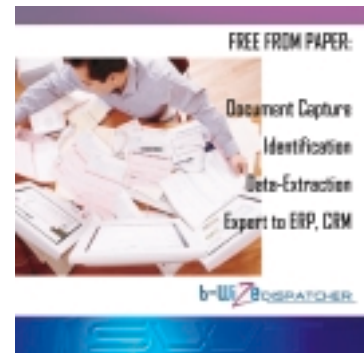
Radionor Communications is a Norwegian company, founded in June 2000. Radionor is steadily growing, currently housing 8 experts with core competency in microwave technology and digital signal processing. The key personnel has many years experience in R&D and a proven track record of delivering cutting edge microwave products to the international market.

Cordis RadioEye™ was launched in January 2003. This novel hardware platform is an easy to use tool supporting suppliers of middle-ware management systems to build location-based services in mobility networks. Radionor's customers include vendors within the market of Enterprise, Retail/Warehouses, Customer Service, Defence and Process/Automation industries. Cordis RadioEye™ is built on open international standards and supports the latest application programming interfaces defined by the European Telecom Standardisation groups (Parlay Group, 3GPP and ETSI).

Cordis RadioEye™ is a precision tool that integrates with WIFI™ networks without any changes to already installed equipment, clients or software platforms.

Enabling: Correct Information to Right Person to Right Place at Right Time.

Contact	Mr Rolf Olstad
Address	Ingvald Ystgaards vei 3A 7047 Trondheim
Country	Norway
Telephone	+47 72 81 05 00
Fax	+47 72 81 05 01
E-mail	rolf.olstad@radionor.no
Web	www.radionor.com



b-Wize Dispatcher™

b-Wize Dispatcher™ is the first software able to identify, rank and index a set of heterogeneous documents, including unstructured documents, based on a fully automatic learning process. This is the perfect technology for identifying and sorting all incoming mail automatically.

The product

In 2003, SWT launched a revolutionary software range called b-Wize™. It includes efficient and easily scalable module to capture, recognise, index and store high volumes of information from various kinds of documents: invoices, mail orders, bank notes, fax, etc.

SWT's b-Wize Dispatcher™ is the answer for all mail room and invoice processing needs. It identifies, sorts and indexes heterogeneous batches of documents automatically (even unstructured or handwritten). All incoming mail can be scanned within a single flow before being dispatched to individual recipients or safely archived. It relieves users from the tedious task of manual sorting documents at the scanner level. b-Wize Dispatcher™ automatically builds a knowledge base using the companies "real-world" documents. This allows the classification of image into similar families without document knowledge or any restriction on document volumes.

Based on a unique image processing technology, Dispatcher™ features a revolutionary form ID concept with no equivalent in the document capture industry today. As part of its innovative sales strategy, the company has signed reselling deals with leading integrators and resellers in the EDM market : AGFA, XEROX, UNISYS, etc.

The company and the team

Founded in 1988, SWT is a French company specialising in image processing and organised around three separate activities: Form Processing software development, direct integration of intelligent data capture solutions and maintenance activities for hardware.

SWT launched its first generation of document capture and recognition software in 1992, offering outstanding results compared to conventional ADR (Automatic Document Recognition) solutions. In 1997, SWT has become the fastest growing forms processing software company in Europe, and market leader in France (400% sales growth since then). Over the years, SWT has established a firm reputation of excellence in its field. In July 2002, SWT completed a €3.8m share capital increase confirming its competitive advantages. The company has demonstrated its attractiveness to both customers and investors, with an 18 months technological advance over its main competitors and a team that has been able to manage an annual 50% growth since 1997 and is estimated to be over 50% for the two coming years. Thanks to the great success of its products and services, SWT has increased the number of employees by 300% in the last three years. Today, the SWT team comprises of 60 people, of whom the average age is 30 years old.

Contact	Ms Prune Helfter
Address	57 rue Lhomond 75005 Paris
Country	France
Telephone	+33 1 53 55 29 42
Fax	+33 1 48 90 16 18
E-mail	marketing@swt-concept.com
Web	www.swt-concept.com



Multi-Platform System (MPS)

“Write once, run unchanged on any device”. A middleware allowing applications for handheld devices to be totally platform-independent.

The product

SYLLEM's Multi-Platform System (MPS) is a patented runtime solution allowing mobile computing solutions to run on any device, operating system (OS) and network. It comprises a language-neutral virtual computer that complements a device's native OS. MPS makes up for lacking device or OS functionality, thus eliminating vendor-specific nuances and exposing a uniform operating environment. Due to this "iso-functionality" paradigm, a given application results in identical binary code for all host environments.

Without sacrificing runtime performance, MPS offers an outstanding value proposition:

- Platform-neutrality shrinks time-to-market, future-proofs applications and reduces total cost of ownership.
- Development and maintenance costs are slashed as applications are written only once.
- Deployment is greatly simplified since target-neutral.
- Development is further shortened through the use of visual development tools.
- Exposing a single development and delivery model, the platform is open to a wide, language-neutral developer community.

MPS also has the potential to be used in many other embedded system environments.

The company and the team

Created in 1993 by Patrick Dehlinger under the name of Palmware, SYLLEM is a mobile computing pioneer. Since its inception, the company has focused on developing and delivering professional solutions based on handheld devices. Being confronted early on with the ever growing diversity of the handheld device population, it developed, from 1995 onwards, its groundbreaking concept of a unified handheld device operating environment. This MPS platform was transformed into an independent software product in 2000. At the same time, SYLLEM turned into a software editor and went into "start-up" mode through a 4 M€ financing round.

MPS licenses are sold either directly to large accounts (e.g., Air France), through system integration partners (e.g., Cap Gemini Ernst & Young), or through OEMs (high-profile partnerships being set up).

MPS underpins heterogeneous handheld device deployments among the largest in the world (e.g., Berner, about 4000 devices).

Currently, SYLLEM's primary focus is on the enterprise market. The "ecosystem" around MPS is being extended with additional development tools and pre-packaged professional applications.

Contact	Mr Harm Smit
Address	"Le Pré Catelan", bât. H, 97 rue Riquet 31000 Toulouse
Country	France
Telephone	+33 5 34 41 40 10
Fax	+33 5 34 41 40 29
E-mail	hsmit@syllem.com
Web	www.syllem.com



AMON

A telemedical system consisting of a wrist-wearable device that monitors patient vital signs. Via an embedded cellular data-link, the device is connected to a remote Medical Centre for further analysis and emergency care.

The product

AMON Wrist Monitoring Device uses advanced bio-sensors to automatically monitor and evaluate patient vital signs. This wearable device collects data from embedded sensors (pulse, oxygen saturation, blood pressure, 1-lead ECG, and skin temperature), and analyses the data using a built-in expert system. Via the GSM/GPRS cellular infrastructure, the information is then transmitted to a remote Monitoring Medical Centre for further analysis and emergency care.

The design of AMON Wrist Monitoring Device implements an innovative concept, integrating a complex hardware-software system into a single, small wearable device:

- Various medical monitors/sensors;
- Medical expert algorithm, which applies a number of parameters to evaluate a preliminary diagnosis;
- Wireless communications system embedded in the wearable device;
- Advanced power management system, allowing AMON to run for extended periods on small batteries.

AMON caters for people suffering from cardio disease, hospital outpatients, high-risk populations, the elderly, and generally those in need of continuous medical care.

AMON enables such persons to receive the required medical care, outside the hospital, while continuing their normal life routine.

The company and the team

Tadiran Spectralink Ltd, a member of the Elisra Group, is a highly specialised producer of advanced wireless communications systems. These are available for a variety of airborne platforms and ground installations. Established close to a quarter of a century ago as a division of Tadiran Communications Group, Tadiran Spectralink is Israel's leading supplier of advanced data links for Unmanned Aerial Vehicles and space platforms, as well as state-of-the-art Search and Rescue systems. Under the regrouping of Tadiran Ltd, in 1996, Spectralink became an independent company, with customers throughout the world. As part of its commercial strategy of entering new market areas, Tadiran Spectralink initiated the development of civilian applications. Among these are the cellular data links, which are already in use in many e-Health and e-Mobility applications.

- 2003 sales forecast: \$60M.

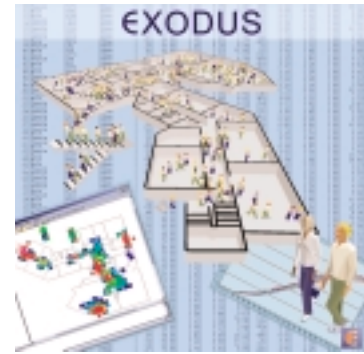
- Workforce: 155 employees.

The company is fully accredited to ISO-9001:2000.

Other members of the AMON consortium are:

- MDirect Ltd. – Israel
- Aurelia Microelettronica S.p.A – Italy
- Swiss Federal Institute of Technology – Switzerland
- Art of Technology – Switzerland
- Assistance Publique – Hospitiaux de Paris, SAMU 92, France

Contact	Mr Dror Shklarski
Address	29 Hamerkava St., POB 150 Holon 58101 Israel
Country	Israel
Tel.	+972 3 55 73 127
Fax	+972 3 55 77 726
E-mail	shklarskid@tadspec.com
Web	www.tadiran-spectralink.com



EXODUS Software Suite

EXODUS represents a computer based laboratory for evaluating emergency and non-emergency movement and behaviour of people in buildings, ships and aircraft enabling the development of safer more cost effective design.

The product

The world is changing. From shopping malls to transport terminals, aircraft to passenger ships, the infrastructure of society is having to cope with ever more intense and complex flows of people. Today, more than ever, safety, efficiency and comfort are issues that must be addressed by all designers, and EXODUS is helping meet these needs.

EXODUS uses complex interacting sub-models to predict movement and behaviour of people during emergency and non-emergency situations. And the EXODUS virtual reality animation makes demonstrating complex designs simple. Within EXODUS, people are represented as individuals with real human behaviour, such as returning to their desk to collect a handbag or searching for a lost child. In emergency situations, simulated occupants can even react to the heat and smoke generated by fire. By subjecting 'virtual' people to a living-hell of perpetual emergencies, designers not only develop safer designs, but reduce the need for real people to be exposed to the risk of evacuation trials. EXODUS simulations allow engineers to assess more potential designs than conventional methods reducing costs and improving design efficiency.

The company and the team

The Fire Safety Engineering Group (FSEG) of the University of Greenwich was founded by Prof Galea in 1986 and is one of Europe's leading centres of excellence in Computational Fire Engineering. FSEG research has led to the development of buildingEXODUS, airEXODUS and maritimeEXODUS for evacuation and circulation simulations, and SMARTFIRE for fire simulation. These products are complementary, SMARTFIRE linking to EXODUS to provide a complete solution to fire safety problems. FSEG currently distribute their products to users in 24 countries.

The EXODUS development team consists of 12 staff. The team is multi-disciplinary, comprising mathematicians, behavioural scientists, fire engineers and software engineers. Improving public safety is central to their mission; high profile projects with which EXODUS has been involved include the: Airbus A380, Millennium Dome in Greenwich, 1998 World Expo in Portugal and the New York Subway.

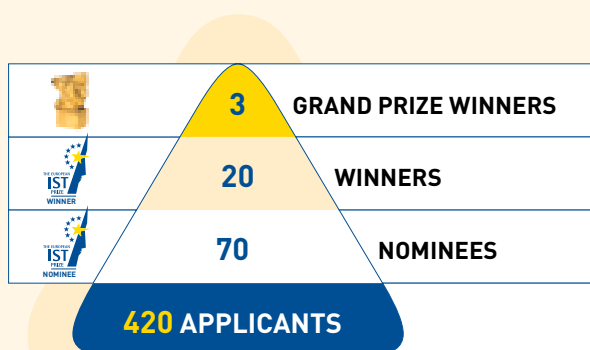
FSEG activities include, software development, research/consultancy, international standards development through involvement with BSI, ISO, IMO and SFPE and education. FSEG expertise is applied to the built, aerospace, marine and rail environments.

Contact	Prof. Edwin Galea
Address	Fire Safety Engineering Group, University of Greenwich, Old Royal Naval College, 30 Park Row, SE10 9LS Greenwich United Kingdom
Country	United Kingdom
Telephone	+44 208 331 87 30
Fax	+44 208 331 89 25
E-mail	e.r.galea@gre.ac.uk
Web	fseg.gre.ac.uk

The European IST Prize Nominees

In 2002, the “European IST Prize Nominees” were introduced into the European IST Prize scheme.

The Nominees are selected among the applicants. The 20 Winners are selected among the Nominees, and the three Grand Prize Winners are selected among the Winners. The Nominees have undergone the thorough, highly competitive evaluation procedure of the European IST Prize, rewarding them with the quality label “European IST Prize Nominee”. In 2002 and 2003, 121 valuable, innovative companies have been nominated “European IST Prize Nominees”.



The 2004 European IST Prize Nominees including the 20 Winners

6WIND (F) for 6WINDGate

New generation Access routers allowing the deployment of IPv6 value-added services.

www.6wind.com

12PLANET (F) for eLiveEngine

Java based application server for creating “Instant Communication applications” that fit business requirements.

www.12planet.com

3Deverywhere (I) for 3Deverywhere

The first tool supporting photorealistic virtual 3D representations of objects and places for mobile phones and web.

www.3Deverywhere.com

AbsInt Angewandte Informatik (D) for aiT Worst Case Execution Time Analyzer

A generic framework for computing the worst-case execution time of tasks in safety-critical systems

www.AbsInt.com

ALVA BV (NL) for ALVA MPO

A wireless, mobile device for blind people to make phone calls, store and retrieve content, and access the Internet.

www.alva-bv.nl

Anoto AB (S) for Anoto Digital pen and paper concept

With digital pens and paper enabling Anoto functionality you can send hand notes or images directly from the paper to any personal computer, mobile phone or data base in the world.

www.anoto.com

Appear Networks (S) for Appear Provisioning Server 3.5

Enables the smart delivery (location specific) of wireless applications to employees and public users of local wireless networks, deployed in public venues such as airports, train stations, conference centres or hospitals.

www.appearnetworks.com

AT-SKY (F) for @SKY BOX

Advanced digital satellite receiver that enables a genuine convergence between PC and TV.

www.at.sky.fr

Augmented Solutions (D) for AR-Browser

Allows to superimpose virtual 3D-Modeld with own environment. For instance, using the AR-Browserone can view new furniture superimposed in 3D within the living room. Only needed is a PC, a piece of paper and a standard WebCam.

www.ar-solutions.de

Bone labs (D) for T/bone SecureMail Gateway (SMGW)

Enables central encryption and digital signature for the entire email traffic of a company.

www.bonelabs.com

Cantoche (F) for Living Actor

A revolutionary computer interface that provides the users with autonomous and lively 3 D characters for a more natural interaction.

www.cantoche.com

CEDES and CSEM (CH) for ESPROS/TOF

Miniaturized optical time-of-flight 3D cameras for high-performance and mass-market applications.

www.cedes.com and www.csem.ch

Centrica (I) for Xlimage

Enables Internet/2,5G/3G users to view high resolution images quickly, integrating watermarking and colour technology.

www.xlimage.it

ChangingWorlds (IRE) for ClixSmart Navigator

Allows mobile portals to intelligently adapt to the unique preferences of individual users.

www.changingworlds.com

Charamel (D) for CharActor Living.Kiosk

Improves the functionality, attraction and effectiveness of POS/POI-systems by means of interactive virtual characters.

www.charamel.com

CIRA (F) for WAAVES

A groundbreaking digital image solution based on wavelet technology, managing all type of images on all equipments.

www.waaves.com

Cognitive Relation (F) for Cognitive Technology

Software to help companies to interact more efficiently with their customers by delivering automatically the appropriate and personalized information whatever the channel used.

www.cognitiverelation.com

Columbitech (S) for Columbitech Wireless Suite

Wireless VPN for secure access to corporate data, from any type of terminal.

www.columbitech.com

Daon (IRE) for DaonEngine

Delivers mission-critical security software that enables large-scale biometric identity management for Governments and enterprises.

www.daon.com

DataCenter Technologies (B) for DC-Protect

A high-performance, content based, scalable back-up and restore solution for data protection. Particularly suited for SMEs.

www.datacentertechnologies.com

DECOMSYS Dependable computer Systems (A) for DECOM::TOOLCHAN

A seamless software portfolio that enables and supports the design of a FlexRay system, the next generation communication system for automotive electronics.

www.decomsys.com

Digital Video (I) for The TAB

A tool to easily create animation contents for web, multimedia and other video productions.

www.the-tab.com

ELCA (CH) for SecuTix

An approach to the home delivery of tickets and other secure paper documents via the internet.

www.elca.ch

ESTeam (S) for ESTeam Translator

Provides a complete automatic multilingual translation environment for both interactive and automatic translation scenarios. Combines the power of both Translation Memory and Machine Translation units.

www.esteam.gr

EXASOL (D) for Data Warehouse Accelerator

Allows to run existing Data Warehouse Systems much faster, more flexible and at far lower expenses.

www.exasol.com

Facilycom (CH) for GenericBuilding Operating System

A process and rule based operating system, allowing ecological and economical optimization of building technology, as well as Facility Management.

www.facilycom.com

Fast Search & Transfer (N) for FAST Data Search

A powerful real-time enterprise search and information retrieval solution for user- and data-intensive environments.

www.fast.no

Fraunhofer Institute SIT (D) for UNITE - Ubiquitous and Integrated Teamwork Environment

Provides an advanced, flexible, mobile and affordable integrated software platform for Internet-based collaborative work to support in-house or within business consortia commercial and research project teams.

www.unite-project.org

httv (high tech tv) (F) for PRIME TV

Enables content providers to create and manage their own interactive services on Digital TV and to significantly reduce the cost of deployment of interactive applications on TV.

www.httv.fr

Icomera (S) for Wireless Onboard Internet

A complete end-to-end communication solution enabling wireless onboard Internet for passengers and train staff.

www.icomera.com

IKT Interactive (N) for www.24SevenOffice.com

Gives employees the freedom to work where they want and when they want, through the internet. The speed and graphical interface provides them the feeling of a local application.
www.24SevenOffice.com

Illuminate Labs (S) for TrueLight renderer

Radically faster, high-quality renderer for the animation industry.
www.illuminatelabs.com

InfoCodex Knowledge Management Systems (CH) for InfoCodex Knowledge Manager

The first knowledge management system, based on statistical and neural network technology, that can classify large multilingual document collections without human intervention.
www.InfoCodex.com

Information Systems Impact (GR) for Supply Chain Platform - iQSCM

A Realtime Supply Chain Matrix solution that provides system integration, collaboration and RFID feature.
www.impact.gr

INPI (F) for Plutarque

The smart search engine for Industrial Property Information, offers multilingual tools associated to pattern recognition capabilities.
www.plutarque.com/plutarque/e-patent

InSightec (IL) for ExAblate 2000

A totally non-invasive thermal ablation system using focused ultrasound under closed loop MRI control.
www.insightec.com

INSILICO biotechnology (D) for INSILICO discovery

An integrated software platform for a systems biology approach to drug discovery and development.
www.insilico-biotechnology.com

Intertex Data (S) for IX66 Internet Gate

A broadband firewall/router with a built-in SIP server. Allows person to person communications even through a firewall.
www.intertex.se

IoTronics (D) for ioRamp

A revolutionary record/playback programming method and automated business logic capture allowing 80% cost savings for enterprise application integration.
www.iotronics.com

Kynogon (F) for RenderWare AI

Designs brains for virtual characters in games, movies, or simulations. Offers artificial intelligence solutions to populate interactive world and interact with them.
www.kynogon.com

LEA (F) for ELEKTRA PLC Connection Kit

A smart broadband gateway which enables high speed access on the indoor power lines. Allows distribution of video, voice and data over the electricity power lines.
www.leacom.fr

Linguattec (D) for Beyond Babel

A multilingual, multimodal conferencing and communication system which translates spoken input in one language into spoken output in other languages incorporating semantic relations between sentences. At present the system supports English, French and German.
www.linguattec.de

MRV International (IL) for TereScope 1 (PAL/c)

An innovative all Optics Wireless solution based on Photonic Air Link (PA) technology for all-optical communications without electronics with a throughput up to 1 Gigabit per second.
www.mrv.com

Musiwave (F) for Music Wizard

A user friendly mobile music recognition technology.
www.musiwave.com

Netviewer (D) for Netviewer

Desktop Sharing, Web-Conferencing. Internet users can show their PC-screens to each other. No installation needed. Works equally through firewalls.
www.netviewer.net

NETASQ (F) for ASQ real time Intrusion Prevention Firewall kernel

An innovative engine for real time Intrusion Prevention Firewall, particularly adapted to Wireless LAN architecture (WLAN).
www.netasq.com

NETIMAGE (F) for PANDIT

Allows for natural in-depth exploitation of images and annotations, while preserving IPR.
www.netimage.fr

ONLINE & GROUPWARE (F) for TAPP: the Transactional Access Point Protocol

A server infrastructure that enables a Disruptive User Centric Operating System in a Portal.
www.superwiz.com

Ontoprise (D) for ontoOffice

Delivers smart access to distributed knowledge sources in common office software suites: knowledge at your desk.
www.ontoprise.de

PAV CARD (D) for Smart Control Identification XS

Smallest version of a smart label for extreme environmental demands in e.g. medical applications, using ultra-thin silicon for minimised height.
www.pavcard.de

Picisel Technologies (UK) for ePAGE

Enables the "beyond PC" experience, bringing the full richness of existing desktop, web and multimedia content directly to users of mobile consumer devices such as phones, and web tablets.
www.picisel.com

Prous Science (E) for Multilingual Audio Visual Search

A speaker-independent voice recognition technology that indexes multimedia content with industry-leading accuracy and performance.
www.prous.com

Radionor Communications (N) for Cordis RadioEye

A hardware based technology platform for High Precision localisation of Wireless LAN terminals.
www.radionor.com

Red Educativa - OPTENET (E) for OPTENET Companies/Public Sector

A service enabling optimisation of the use of Internet's technical and human resources in the company by personalized controlled accesses.
www.optenet.com

RPSOFT - RESEAU PHOTO (F) for Innovative technologies and software for digital photography

Innovative technologies and software for Digital photography services in stores and industry.
www.rpssoft.com

SCHEMA Electronic Documentation Solutions (D) for SCHEMA ST4

A cooperative software framework for creating very demanding technical information in a number of languages and with variants and versions for distribution via multiple media.
www.schema.de

Scytl Online World Security (E) for Pnyx

A plug-in security software module that creates confidence in e-voting platforms.
www.scytl.com

Skynamics (D) for skynamics revologic

Visual software development technology for Java-based web applications.
www.skynamics.com

SolveDirect Internet-Service (A) for SolveDirect Call Clearing Suite

A unique clearing platform in IT Service Management. It enables the communication between service customers and service providers. Its products and services reduce the cost of intra-enterprise communication by more than -60%.
www.solveirect.com

SWT (F) for b-Wize DISPATCHER

A software product for matching the needs for sorting heterogeneous documents and allowing enterprises to digitalize, sort, classify, index and route all in the same flow documents, such as invoices, checks, bank statements, work orders, etc, from its customers and/or its suppliers.
www.swt-concept.com

SYLLEM (F) for Multi-Platform System

"Write once and run unchanged on any device". A middleware allowing applications for handheld devices to be totally platform-independent.
www.syllem.com

Tadiran Spectralink (IL) for AMON

A wearable health system that monitors and evaluates automatically human vital signs. It's connected via embedded cellular data-link to a remote monitoring medical center.
www.tadiran-spectralink.com

Telefonica Investigacion y Desarrollo (E) for AGORA

A platform to develop new generation Natural Language Voice-based Services as Voice portals.
www.tid.es

Teydo Company (NL) for FleetOnline

Web centric location based service platform for partners and end-users based on GSM positioning (Location Based Services), messaging and billing.
www.teydo.com

University of Greenwich (UK) for EXODUS suite of software

Presenting a computer based laboratory for evaluating emergency and non-emergency movement and behaviour in buildings, ships and aircraft.
<http://fseg.gre.ac.uk>

Virtutech (S) for Simics

Allows software development on new computer systems before hardware is available. Very high simulation speed.
www.virtutech.com

VISIARC (S) for VISIARC System

Software system enabling wireless distribution and viewing of CAD drawings on smartphones, PDAs and computers.
<http://visiarc.com>

WeAidU in Europe (S) for Cardiac Remote Expert

Decision support for diagnosing heart disease, based on AI tools and patented image analysis.
www.weaidu.com

Web Models (I) for WebRatio Site Development Studio

The first CASE tool conceived specifically for model-driven Web application design.
www.webratio.com

ZOO Digital Group (UK) for DVD-Extra

A revolutionary new technology for authoring interactive DVD-Video discs.
www.zoodigitalgroup.com

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Dr Andreas Zandler

The IST Programme of the European Union

The Sixth Framework Programme

The IST Programme is part of the European Union's Sixth Framework Programme for research and technological development (RTD), covering the period 2002-2006:
http://europa.eu.int/comm/research/fp6/index_en.html

Information Society Technologies is one of the seven priority thematic areas identified in the Sixth Framework Programme for RTD:
http://europa.eu.int/information_society/programmes/research/index_en.htm

The main societal and economic challenges to be addressed are:

- Solving “trust and confidence” problems
- Strengthening social cohesion
- Enabling sustainable growth and improving competitiveness
- Supporting complex problem solving in science, society, industry and businesses

This requires progress in three main technology building blocks:

- Pushing the limits of miniaturisation and minimising the costs and power consumption of microelectronic components and micro-systems
- Developing mobile, wireless, optical and broadband communication infrastructures as well as software and computing technologies that are reliable, pervasive, interoperable and can be adapted to accommodate new applications and services
- Developing user friendly interfaces which are intuitive, can interpret all our senses such as speech, vision and touch and that understand our gestures and various languages

Euro-CASE

The European Council of Applied Sciences, Technologies and Engineering is a European non-profit-making organisation of Academies from eighteen European countries. Euro-CASE has access to top level expertise and provides impartial, independent and balanced advice on technological issues with a clear European dimension. Euro-CASE has access to a unique resource of experts counting 5,200 individual Fellows of 18 national Academies.

Through its member Academies, Euro-CASE acts as a permanent forum for exchange and consultation between European Institutions, Industry and Research.

Euro-CASE furthers the transformation of knowledge into products and services for recognised societal needs, thereby providing the link between knowledge and society. By defining, promoting and disseminating a genuine European point of view and corresponding actions, Euro-CASE contributes to the competitiveness of the European Community and the welfare of its citizens.

The interdisciplinary character of Euro-CASE provides a unique range of experience and promotes independence, excellence and European added value in all its activities.

Euro-CASE organises the European IST Prize scheme with the support and sponsorship of the IST programme of the European Commission.

Key words for Euro-CASE: Independence, Excellence, European added value.

www.euro-case.org

The Euro-CASE Academies

AUSTRIA

Austrian Academy of Sciences
Dr. Ignaz Seipel-Platz 2 - 1010 Wien
Tel: +43 1 51581 1213 - Fax: +43 1 51581 1211
herbert.mang@oeaw.ac.at - www.oeaw.ac.at

BELGIUM

Royal Belgian Academy Council of Applied
Sciences - BACAS
Hertogsstraat 1, rue Ducale - 1000 Brussels
Tel: +32 2 550 23 23 - Fax: +32 2 550 23 25
gilbert.reynders@kvab.be
www.kbr.be/~capas - www.kvab.be

DENMARK

Danish Academy of Technical Sciences - ATV
Lundtoftevej 266 - 2800 Kgs. Lyngby
Tel: +45 45 88 13 11 - Fax: +45 45 88 13 51
atvmail@atv.dk - www.atv.dk

FINLAND

Finnish Academies of Technology - FACTE
Mariankatu 8 B 11 - 00170 Helsinki
Tel: +358 9 27 82 400 - Fax: +358 9 27 82 177
facte@facte.com - www.facte.com

FRANCE

National Academy of Technologies of France - NATF
28, rue Saint Dominique - 75007 Paris
Tel: +33 1 53 85 44 44 - Fax: +33 1 53 85 44 45
president@academie-technologies.fr
www.academie-technologies.fr

GERMANY

Council of Technical Sciences of the Union of German
Academies of Sciences and Humanities - akatech
Amiraplatz 3 - Luitplodblock - 80333 München
Tel: +49 89 38 22 10 05 - Fax: +49 89 38 22 10 02
info@akatech.de

GREECE

Technical Chamber of Greece
4 Karageorgi Servas - 102 48 - Athens
Tel: +30 1 32 54 59 19 - Fax: +30 1 32 21 772

IRELAND

Irish Academy of Engineering
7 Butterfield Close - Rathfarnham - Dublin 14
Tel: +353 1 49 31 776 - Fax: +353 1 66 85 508
finbarcallanan@eircom.net

ITALY

FAST - Italian Council of Applied Science and
Engineering - CISA
Piazzale R. Morandi 2 - 20121 Milan
Tel: +39 02 77 79 03 04 - Fax: +39 02 78 24 85
fast@fast.mi.it

THE NETHERLANDS

Netherlands Society of Technological Sciences
and Engineering - NFTW
PO Box 19 121 - 1000 GC Amsterdam
Tel: +31 20 551 08 02 - Fax: +31 20 620 49 41
info@nftw.nl - www.nftw.nl

NORWAY

Norwegian Academy of Technological Sciences - NTVA
Lerchendam Gaard - 7491 Trondheim
Tel: +47 73 59 54 63 - Fax: +47 73 59 08 30
hein.johnson@ntva.ntnu.no - www.ntnu.no/ntva

PORTUGAL

Portuguese Academy of Engineering - Ordem dos
Engenheiros
Av. António Augusto de Aguiar, 3 D - 1069-030 Lisboa
Tel: +351 21 313 26 13 - Fax: +351 21 313 26 15
tafonseca@cdn.ordeng.pt

The European IST Prize Info Points

SPAIN

Real Academia de Ingeniera - RAI
C/ Alfonso XII - 3-5 1ª planta (Edif. MEC) - 28014 Madrid
Tel: +34 915 28 20 01 - Fax: 34 91 468 10 15
acaingenieria@ctv.es
www.academia-de-ingeniera.com

SWEDEN

Royal Swedish Academy of Engineering Sciences - IVA
Box 5073 - 102 42 Stockholm
Tel: +46 8 791 29 00 - Fax: +46 8 611 56 23
gb@iva.se - www.iva.se

SWITZERLAND

Swiss Academy of Engineering Sciences - SATW
Seidengasse 16 - Postfach 6337 - 8023 Zürich
Tel: +41 1 226 50 11 - Fax: +41 1 226 50 20
info@satw.ch - www.satw.ch

UNITED KINGDOM

The Royal Academy of Engineering - RAEng
29 Great Peter Street - London SW1P 3LW
Tel: +44 20 72 27 05 34 - Fax: +44 20 72 33 00 54
SmallwoodR@raeng.co.uk - www.raeng.org.uk

Associate Academies:

CZECH REPUBLIC

Engineering Academy of the Czech Republic
Narodni trida 3 - 117 20 Prague 1
Tel: +420 2 24 24 05 30 - Fax: +420 2 24 24 05 30
hayer@kav.cas.cz - www.eacr.cz

HUNGARY

Hungarian Academy of Engineering
Kossuth L. tér 6-8 - 1055 Budapest
Tel: +36 1 353 39 96 - Fax: +36 1 463 24 70
ginsztler@mti.bme.hu

BULGARIA

Ministry of Education and Science - European Integration and
Multilateral Cooperation Division
European Integration and Bilateral Cooperation Department
Ms Guenoveva Jecheva
2A, Kniaz Dondukov Blvd. - 1000 Sofia
Tel: +359 2 980 26 02 - Fax: +359 2 988 06 00
g.jecheva@minedu.government.bg
www.minedu.government.bg/nsfb/inter

CYPRUS

Innovation Relay Centre Cyprus
Mr Michael Savva
Cyprus Institute of Technology
P.O.Box 20783 - 1663 Nicosia
Tel: +357 228 131 99 - Fax: +357 223 180 87
mikesava@industry.cy.net

ESTONIA

Estonian Academy of Sciences
Ms Anne Poitel - Foreign Relations
Kohtu St. 6 - 10130 Tallinn
Tel: +372 6 448677 - Fax: +372 6 451 829
foreign@akadeemia.ee

GERMANY

F.A.S.T. - Gesellschaft für angewandte Softwaretechnologie mbH
Mr Joachim Krug
Arabellastrasse 17 - 81925 München
Tel: +49 89 89 05 20 - Fax: +49 89 89 05 222
it-prize@fast.de - www.fast.de

DLR - Deutsches Zentrum für Luft- und Raumfahrt e.V.
IST National Contact Point
Ms Andrea Köndgen
Linder Höhe - 51147 Köln
Tel: +49 2203 601 3402 - Fax: +49 2203 601 2842
andrea.koendgen@dlr.de - www.dlr.de/IT-NCP/

ICELAND

Euro-Info Centre IS-685
Ms Sigrun L. Gudbjartsdottir
Trade Council of Iceland - Borgartúni 35
PO Box 1000 - 121 Reykjavik
Tel: +354 511 4000 - Fax: +354 511 4040
euroinfo@icetrade.is - www.icetrade.is

ISRAEL

IST National Contact Point for Israel
Mrs Judy Buchnick
ISERD Israel Directorate for the EU Framework Program
Industry House 14th floor - 29 Hamered Street
PO Box 50364 - 61500 Tel Aviv
Tel: +972 3 511 8118 ext. 2 - Fax: +972 3 517 0020
judy@iserd.org.il - www.iserd.org.il/ist

LATVIA

FEMIRC - Latvia
Mr Jevgenijs Kovalcuks
21 Aizkraukles Str. - 1006 Riga
Tel: +371 75 40 703 - Fax: +371 75 40 709
femirc@edi.lv

LITHUANIA

Ministry of Education and Science
Dept. of Science and Higher Education
Ms E. Kasperuniene
Z. Sierakausko 15 - 2600 Vilnius
Tel: +370 5 2663447 - Fax: +370 5 2663447
egidija@mokslas.lt

MALTA

Euro Info Correspondence Centre
Malta External Trade Corporation (METCO)
Mr Joe Woods
Trade Centre - SGN 09 San Gwann
Tel: +356 23 84 32 11 - Fax: +356 21 49 66 87
jwoods@innovationmalta.com

THE NETHERLANDS

Senter/EG-Liaison
Mr Bert van Werkhoven
P.O. Box 93144 - 2509 AC The Hague
Tel: +31 70 3735 250 - Fax: +31 70 3735 650
B.van.werkhoven@egl.nl - www.egl.nl

POLAND

IST National Contact Point
Mr Andrzej Siemaszko
ul. Swietokrzyska 21 - 00 049 Warsaw
Tel: +48 22 828 74 81
andrzej.siemaszko@kpk.gov.pl

International Liaison Office
Dr Borys Czerniejewski
InfoViDE sp. z o.o. - ul. Kolejowa 5/7 - 01 217 Warszawa
Tel: +48 22 53 47 450 - Fax: +48 22 53 47 402
asiemasz@ippt.gov.pl

ROMANIA

The National Institute for R&D in Informatics (ICI)
Prof. F. G. Filip
8-10 Maresal Averescu Av. - 71316 Bucharest
Tel: +40 1 224 38 79 - Fax: +40 1 224 05 39
ffilip@acad.ro

SLOVAK REPUBLIC

Ministry of Education
Mr Dusan Valachovic
Stromova 1 - 813 30 Bratislava 1
Tel: +421 2 69 202 202 - Fax: +421 2 69 202 203
valachov@education.gov.sk

SLOVENIA

Ministry for Education, Science and Sport
Dr. Andreja Umek Venturini
Trg OF 13 - 1000 Ljubljana
Tel: +386 1 478 4668 - Fax: +386 1 478 4719
andreja.umek@gov.si

TURKEY

IST National Contact Point - TUBITAK (METU)
Prof. Aydan Erkmen
Ataturk Bulvari 211 - 06100 Kavaklidere Ankara
Tel: +90 312 4682179 - Fax: +90 312 467 72 98
aerkmen@tubitak.gov.tr - www.fp6.org.tr

Some of the applicants for the 2004 European IST Prize

A & L soft (CZ)
www.flexlanguage.com
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<http://ats.minisat.ro>
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 xactdata software solutions & service (A)
www.xactdata.net
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www.x-dot.de
 Zigliara (F)
www.zigliara.com

Acknowledgements

One of the missions of the Academies is to award Prizes. It was therefore a natural objective for Euro-CASE, from its creation, to organise a European Prize in an important area such as information society technologies. The first discussions the European IST Prize took place in 1993 between Simon Bensasson, from the European Commission, and Basil Butler, Chairman of Euro-CASE. Their ideas and the enthusiasm of their colleagues, notably Kostas Glinos from the European Commission and the Euro-CASE Secretariat, quickly led to exciting brainstorming sessions.

The never failing support of the European Commission and of the Euro-CASE Academies, the trust of the Commissioners and Directors from the European Commission, and of Pierre Fillet, Secretary General of Euro-CASE, Helge Sørensen and Valentin Van den Balck who succeeded Basil Butler as Chairmen, provided great enthusiasm and constructive support to develop and enhance the European IST Prize.

We thank the members of the European IST Prize evaluation group for the expertise, time and hard work that they devote during the evaluation meetings and brainstorming sessions. Their selection of the Winners has never been questioned. Particular thanks go to Heinz Schwärtzel, Georges Grunberg and José Alberto Jaén from the core group. The members of the European IST Prize Executive Jury also play a major role for the independence, excellence and recognition of the Prize. We thank them and the Chairmen, late Prof. Karl-Heinz Kaske, Dr Björn Svedberg, Sir Derek Robert, Mr Thierry Breton and Dr Pasquale Pistorio, for their valuable contributions and ideas for the future of the Prize.

However, to become successful, the most distinguished Prize needs another set of key players - the applicants and the Winners. We thank the 2715 companies that have applied for the Prize over the past nine years, and offer congratulations to the 200 Winners and 27 Grand Prize Winners. Everybody enjoys the youthful, entrepreneurial and friendly atmosphere in the European IST Prize Village exhibition which is a focal point of the annual IST Event. The skill and knowledge which they bring to the Prize is greatly admired. The Awards Ceremony is the climax of the exhibition, and this exciting event is gaining in reputation from year to year.

In 2002, the "European IST Prize Nominees" were introduced into the European IST Prize scheme. The Nominees are selected among the applicants. The 20 Winners are selected among the Nominees, and the three Grand Prize Winners are selected among the Winners. The Nominees have undergone the thorough, highly competitive evaluation procedure of the European IST Prize, rewarding them with the quality label "European IST Prize Nominee". In 2002 and 2003, 121 valuable, innovative companies have been nominated "European IST Prize Nominees".

It is a pleasure to work with the Winners and the Nominees. We appreciate their input and permanent interest in the Prize. We stay in contact with all of them and invite them to meet at various events, such as the yearly CeBIT Fair.

Our thanks are also addressed to Commissioner Erkki Liikanen, Director-General Fabio Colasanti, Deputy Director-General Peter Zangl, Director Pedro de Sampaio Nunes and Head of Unit Giangaleazzo Cairoli from the European Commission. We much enjoy the direct and efficient co-operation with Klaus Pendl who took over from Karl-Heinz

Robrock. We also appreciate the advice of Head of Unit Pierrette Pelhate, and our excellent co-operation with Event Manager Guy Hoeberechts and his team.

The Academies are the cornerstones of the European IST Prize. Not only do they provide their most distinguished experts for the independent evaluation that guarantees the high quality of the Winners, but they also ensure the promotion of the Prize in their respective countries. In countries where Euro-CASE is not represented, European IST Prize Info Points play a similar role in promoting the Prize. Thanks are offered to all the participants in this network.

The success of the first nine years of the European IST Prize, its prestige, its solid foundation in 18 European Academies, the success of the Winners and their continuing interest in the Prize indicate that it is heading for a promising future.

This acknowledgement would not be complete without my warm thanks to Helle Bonnet and Nadia Pipunic of the Euro-CASE Secretariat for their enthusiasm and hard work.



Alain Mongon
The European IST Prize



The European IST Prize
Euro-CASE
28, rue Saint Dominique
F - 75007 Paris - France
Tel.: +33 1 53 59 53 40
Fax: +33 1 53 59 53 41
mail@ist-prize.org
www.ist-prize.org

www.ist-prize.org