



## NewTec Europe

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Ein Service Ihres Enterprise Europe Network Bremen

### Internationale Kooperationsangebote

#### EEN - TECHNOLOGIETRANSFER

Hier finden Sie technologische Kooperationsangebote aus dem Enterprise Europe Network (EEN). Die Kooperationsangebote erhalten Sie unter der Maßgabe, uns ein kurzes Feedback über das Ergebnis der Kooperationsaktivitäten zu geben.

Das Enterprise Europe Network Bremen ist ein Projekt der DD - Die Denkfabrik Forschungs- und Entwicklungs GmbH unter der Trägerschaft des Senators für Wirtschaft und Häfen sowie der Europäischen Kommission. Diese Trägerschaft

ermöglicht uns Ihnen die Kooperationsangebote gebührenfrei zur Verfügung zu stellen. Im Gegenzug benötigen wir jedoch ein Feedback Ihrerseits, um unserer Berichtspflicht den Trägern gegenüber nachkommen zu können. Anfragen senden Sie uns bitte mit Hinweis auf die Angebotsnummer (z.B. K14) und die NewTec-Ausgabe.

Für weitere Fragen wenden Sie sich bitte direkt an Frau Wernicke, Tel. (0421) 201 560 oder eMail: [een@een-bremen.de](mailto:een@een-bremen.de)

#### BIOTECHNOLOGIE – MEDIZINTECHNIK

##### Technology Offer

##### **K1 - Remote fitting and tele-rehabilitation system for cochlear implant recipient**

A Polish R+D institute has developed the system that makes postoperative care of cochlear implant recipients possible without need of patient's presence in the clinic. An experienced specialist using teleconference and remote desktop applications is able to perform necessary psychophysical and objective measurements and to program speech processor of the patient. The system allows for large time and cost savings. Partners for further development and information exchange are expected.

##### **K2 - Health knowledge base for direct information transfer and advanced research purposes**

A Hungarian SME has developed an English language medical and health knowledge base. Main advantages of technology on offer: it recognises thousands of medical phrases, and it provides associated phrases for information and advanced research purposes. The technology is ideal for companies active in provision of health service data. The company is looking for a service partner to implement technology on offer into its existing set in the frame of licence/technical cooperation agreement.

### **K3 - In vivo research methods**

An Icelandic biotechnological company is specialized in the field of Pharmacology and drug discovery. The company offers an array of in vivo research to support the partner lead optimization efforts. These are, amongst others, in the field of toxicology and pharmacokinetics. The company is looking for Pharmaceutical companies, universities and research institutes for Technical Co-operation and Commercial Agreement with Technical Assistance .

### **K4 - Innovative biofeedback system for improvement of sleep quality and significant reduction of snores.**

An Israeli SME has developed an innovative biofeedback system used to prevent from sleep-related breathing disorders. The device is cost-effective, enables many applications (the unavailable before) and a very high precision of measuring. The company is looking for industrial partners / research institutes (centers) interested in further development and testing the new applications.

### **K5 - Orthopaedic safety device for knee supports**

An Italian University research laboratory has developed a simple safety mechanism for the support for the lower limbs (also referred to as knee supports) used for deambulation of subjects with motor difficulties due to a momentary or else permanent invalidity. They are looking for license agreement and industrial development.

### **K6 - In vitro human skin explant system for pre-clinical testing**

An SME based in North East England specialising in biologics and cellular therapeutics, offers a novel in vitro skin explant assay for pre-clinical testing of immunosuppressant drugs and immunomodulatory agents such as monoclonal antibodies and stem cells. The SME is looking for technology and commercial partners, specifically biotechnology and pharmaceutical companies and research institutes who could benefit from the novel technology.

### **K7 - A Toxin Independent Biomarker for the Detection of Clostridium difficile**

UK University Researchers have developed a unique method for C. difficile testing which can be utilized for the development of a highly sensitive diagnostic test for the rapid, low cost, routine screening of CDI in healthcare settings. A licensing or technical cooperation agreement is sought.

### **K8 - Marker for Breast Cancer Prognosis and Clinical Outcome**

On-going research at a UK University has led to the identification of a gene set functionally linked to invasion and metastases of breast cancer, and as such is of significant prognostic relevance for predicting the clinical outcome of breast cancer patients enabling clinicians to rank patients for treatment type and 'priority'. The group is seeking an industrial partner to provide a route to market for this technology.

### **K9 - Novel Treatment of Alzheimer Disease Utilizing GIP and GLP-1 Analogues**

University Researchers in the UK have identified a series of promising incretin analogues as potential treatments for Alzheimer's Disease (AD). Studies have shown these analogues to act as neuroprotective agents enhancing and protecting neuronal transmission. They are seeking a licencing or technical cooperation agreement.

### **K10 - A prognostic test for renal failure**

A method for determining a patients risk of renal failure has been developed by a UK hospital research group. The method involves the measurement of a biomarker before and after physical trauma and a comparison of the two levels made. Patients who show a reduction in the biomarker post-trauma are at a significantly increased risk of renal dysfunction. The researchers are seeking a licensing or technical cooperation agreement.

### **K11 - A Novel Attenuation Correction Technique for Ultrasound Contrast Agent Imaging**

A London university has developed a correction technique to compensate for the attenuation in non-linear signals at the same location to improve the accuracy of blood flow quantification. They are looking for companies interested in licensing the technology or collaborating in a development programme.

### **K12 - A Hand Held Asthma Drug Dosage Monitor with Improved Patient Compliance and Dosing Accuracy**

A UK University Research Team has developed a hand held monitoring device that will enable patients to measure the level of asthma medication (in vapour form) being inhaled during the administration process via visual indication. Thus decreasing patient error and increasing the likelihood of the patient receiving appropriate levels of medication. A licensing or technical cooperation agreement is sought.

## CHEMIE – MATERIALFORSCHUNG

### Technology Offer

#### **K13 - Low-noise laminar flow cabinet with shadowless lighting**

A Saxon company developed a microbiological laminar flow cabinet which works with 52 decibel by far less noisily than common products on the market. Additionally the laminar flow cabinet has more functionality, e.g. a free adjustable and shadowless lighting or a slant screen for a good sitting position. The workstation is checked by a HEPA-filter, so a permanent review of the air speed is guaranteed. The company is looking for partners for commercial agreements with technical assistance.

#### **K14 - New system to reduce the passing of the light through windows**

A Spanish company has developed a new system for reduce and/or eliminate the passing of the light through a glass, using two liquid components. This system is cheaper than traditional blinds and it is possible to give colours to the windows changing the composition of the two liquids. The technology is fully developed and field tested. This company is seeking partners to reach license agreements, joint ventures or commercial agreements with technical assistance.

#### **K15 - Know-how in composite structures with carbon fiber suitable for violins and other instruments**

A French engineer has studied in laboratory the spruce and maple sound propagation characteristics. He has also developed a laminated sandwich structure with carbon fibre soundboard and a back of violin which have similar characteristics of sound emitted by traditional violins. The French engineer is looking for violin manufacturers who could be interested in these composites. He offers his know-how in sound propagation for such materials.

#### **K16 - Cellular metal foam components for building and construction application**

A Hungarian institute for logistics and production develops cellular metal foam components for building application. Advantage: measurement and weight of metal structure can be reduced with metal foam filling up in such a way that it can keep the original static characteristic. Technology is good for building material industry and construction industrial companies. Institute is looking for industrial and service partner to test the method on new application field and establish experiment factory.

### Technology Request

#### **K17 - Rapid Assessment of Coating Service Lifetime on Steel**

A large US company is looking for proposals for developing an accelerated service lifetime test for coated steel surfaces or vessels. They are interested in contract research, proof of concept and licensing.

#### **K18 - Develop and optimize compound semiconductor Concentrated Photovoltaic (CPV) devices on single crystal silicon (Si) substrates**

The U.S. division of a leading international epitaxial materials company, seeks partnerships to develop and optimize Concentrated Photovoltaic (CPV) devices on single crystal silicon (Si) substrates. Ideal partners will have novel material, and/or device fabrication and characterization, capabilities that will enable viable CPV devices from Gallium Nitride (GaN) on Si, and/or Gallium Arsenide (GaAs) on Si. The company is open to technical cooperation or development partnerships.

#### **K19 - Chemical hardening of hardwood**

A company from south Poland, a longstanding wooden floor producer (parquet and plank floors production, delivery and floor setting and painting services), is seeking a technological partnership for development and implementation of the technology of hardening of the floor wood. The company is a producer of such wood and is interested in obtaining such technology and/or cooperation regarding its further development. The company is looking for a commercial agreement with technical assistance.

#### **K20 - Generating Highly Concentrated Microbubbles in Acidic Cleaning Solutions**

A large US company is looking for a technology for generating highly concentrated ozone microbubbles in hydrofluoric acid. The goal is to develop highly effective solutions for cleaning applications in semiconductor industry. They are interested in joint development, contract development and equipment sales.

#### **K21 - Encapsulation techniques and printing technologies for hybrid organic solar cell**

An Italian university research team is looking for a technology concerning the encapsulation materials/techniques and layer deposition both rigid and flexible for dye sensitized and organic solar cells. The team is looking for partners interested in technical collaboration to develop the requested technologies.

#### **K22 - Heat-conductive material for improving floor heating**

A Czech SME is looking for a suitable heat-conductive material, which will be used for manufacturing of grooved boards applied in floor heating systems. The company seeks commercial agreement with technical cooperation.

#### **K23 - Innovative industrial nanochemicals**

A Czech company active in the field of consultancy services and tailor-made solutions for industrial surface treatments, anticorrosion protection, lubrication and cleaning technologies is looking for innovative industrial chemical products to widen the range of solutions offered to its clients. Partners for commercial agreement with technical assistance and joint further development are sought.

## **K24 - New Colouration Techniques for Light Emitting Diode (LED) Lights**

A small UK company specialising in the design and production of Light Emitting Diodes (LEDs) wishes to develop a new generation of lights. Work will focus on improving photogenic properties and partners are sought with expertise in phosphour coatings and light-diffusion materials. European funding could be sought to support the project and commercialisation of the developed product will be shared by both parties. Partners are sought for technical co-operation agreements .

## **K25 - Technology for manufacturing thin electrically conductive layers on polyester film**

A medium-sized Polish company active as designer and producer of membrane keyboards, front panels and labels looks for a supplier of technology of thin electrically conductive layers on polyester film. The technology requested can either be fully developed or at the laboratory stage.

## **ENERGIE – UMWELT**

### *Technology Offer*

#### **K26 - Innovative offshore oil and gas pipe laying method**

A Dutch SME has developed and patented a new innovative O-lay pipe laying system for oil and gas. All welding and inspection is done onshore. After that the floating pipeline is spiralized on sea and transported by tugs to the location where it will be laid by a simple barge. The company is looking for cooperation with pipeline owners, managers, contractors and other companies involved in onshore/offshore for licensing and further development.

#### **K27 - New underwater Remotely Operated Vehicle (ROV)**

A Greek SME presents a new design of underwater ROV. The product is very versatile, with great characteristics and field performance. The company has encompassed in this very product its long standing experience and expertise in underwater inspection and survey works in offshore waters. The company is looking for various types of collaboration.

#### **K28 - A rapid, portable system of crushing fluorescent tubes on site**

A UK environmental company offers an innovative system that crushes used fluorescent tubes quickly & safely on site. The EC marked system improves the health & safety of workers and minimises the bulk of used lamps at customer premises before removal to a recycling plant. Advantages include ease of use, reduced storage and minimal environmental emissions associated with transport. The company seeks commercial partners active in the disposal/collection/recycling of fluorescent tubes.

#### **K29 - Wind-farm developer is sought for joint R&D project involving Wind Prospecting**

An Israeli SME has developed a new technology based on a novel remote sensing application, intended to serve companies developing new wind farm sites. Using a compact device based upon remote sensing technology placed on-site, wind speed and direction as a function of height are continuously mapped up to heights greater than 200 meters with high resolution and accuracy. A wind-farm developer is sought to help specify, validate and market the new device.

#### **K30 - Universal roof panel for standard photovoltaic modules**

A French company has developed a universal support for standard photovoltaic modules, which is ready to install and can replace conventional industrial, commercial and agricultural roofs. This invention offers a solution for new buildings and for the renovation of old ones.

#### **K31 - Technology of soil cleaning from oil contaminations**

A Russian R&D Institute from Saratov region develops methods of soil cleaning from oil contaminations that can be used at oil refinery, transportation and storage enterprises and for post-accident clean-up. The Institute is looking for partners for technical cooperation or a license agreement.

#### **K32 - Submersible mixers for waste water plants**

A Danish client produces submersible mixers for waste water plants. The mixers can be used for all kinds of sludge and waste water. The client groups his products in 3 categories: Mixers, agitators and flowmakers. The client is looking for commercial agreement with technical assistance.

#### **K33 - Innovative radiant floor panel**

A company from Northern Italy offers an innovative heating/cooling floor system which is composed of a self-bearing radiating panel. The internal heating/cooling coil uses a heat swapping fluid to heat/cool the external surface, laminated with an anti-slip material. The product is fully tested and ready for commercialization. The company is looking for further development/improvement of the product, for component supply and commercial agreements.

#### **K34 - Engineering and design for customized solar sets**

An innovative French SME has developed new solar panel sets integrated on different kinds of structures / objects. With expertises in both engineering development and design creativity, they offer solar solutions to companies, laboratories, designers while integrating photovoltaics panels into consumers goods, furnitures or any kind of elements. Partnership agreements such as commercial agreement with technical assistance or technical cooperation are preferentially sought.

## **K35 - Agitators for biogas plants**

A Danish company produces submersible agitators, which are primarily used in receiving and mixing tanks on biogas plants. The client is looking for companies that offer complete biogas plants in which the agitators could be a part of the solution. The client is therefore looking for commercial agreement with technical assistance.

## **K36 - Equipment which is suitable for realization of caloric cycle use as heat engine or heat-pump**

A Hungarian SME is developing an equipment which is able to transform low temperature difference into rotation. It can operate as a heat engine, heat-pump or it is good for producing electric energy. Main advantage: it is able to produce big torque at low temperature difference and revolutions per minute. Technology is mainly good for companies who produce heat engine and heat-pump. The company is seeking industrial or service partner for redraft the plan of the technology for mass production.

### *Technology Request*

## **K37 - Accumulation Tank Technology Development**

Turkish company specialized on manufacturing of heating systems and boilers is looking for accumulation tank technologies. The company would like to come in contact with manufacturers with novel technologies, but would also like to cooperate on technology development.

## **K38 - Silicon-based coatings to be adapted to ground photovoltaic applications**

A French company has developed a strong expertise in the development of silicon-based coatings suitable for space applications. Now, the company wants to adapt its products so that they could be used in ground photovoltaic applications. The company is looking for technological cooperation in order to adapt its products to the processes currently used by solar cells manufacturing plants.

## **K39 - Innovative refrigerating machine with water coolant**

Polish company is searching an innovative refrigerating machine with water coolant (without usage of glycol). They need a device with cooling power of 620 kW and temperature of cooling agent 17°C, equipped with ventilator battery. Partners for commercial agreement with technical assistance, license agreement or technical cooperation are sought.

## **K40 - Fuel and energy complex producing energy and eco-fuel**

A Polish company is looking for a partner to develop innovative technology in the form of fuel and energy complex. The company is planning a project which aims to run the fuel-energy complex both generating electricity and producing eco-fuel from renewable resources using innovative technologies developed by Polish scientists.

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## **PRODUKTIONSTECHNIK – VERFAHRENSTECHNIK**

### *Technology Offer*

## **K41 - Vibro-vacuum construction technology and construction vibro-robotized machine for forming tiles from marble or glass-concrete**

A Bulgarian SME developed innovative and highly efficient technology and robotized machine for forming of tiles from marble or glass-concrete. The technology and machine offered feature easy resetting and reassembly of the forming container according the specific parameters of the tiles. The machine can be either mobile or stationary. The company is looking for partners for joint development and production of complex systems for construction parts and elements as well as for commercial partners.

## **K42 - New technology for sprayed ceramic coating**

An Italian research team has developed a new technology for sprayed ceramic coating. The proposed technology utilises High Velocity Oxygen Fuel (HVOF) spraying which is considered a very promising industrial alternative. Partners from printing, petrochemical, paper, mining food and packaging and power generation fields are being sought for technical co-operation to join further development, testing new applications and adaptation to clients' needs.

## **K43 - Information Management System supporting production processes**

Polish IT SME offers its systems for support of management over manufacturing processes. The system can be used in any production company. The offered technology helps to manage processes, lowers production costs, is flexible, mobile and enables faster and more precise management in company. The SME is looking for partners interested in further development or testing and implementation of the IT solution and for companies interested in manufacturing or commercial agreement with technical assistance.

## **K44 - A new way of using ice as a disappearing template for use in casting applications**

A UK Engineer has developed a process that uses ice as a template for the manufacture of a range of products made from cement, concrete or other cold-poured hard set materials. It offers a number of advantages over traditional molding processes. The process is fully developed and is currently targeted at the 'garden architecture' market. Agreements are sought with manufacturers or with arts and design schools interested in evaluating the technology.

**K45 - Acceleration in production process of building boards**

An Icelandic SME with years of experience within the building industry has developed a novel method that accelerates the manufacturing process of building boards. They seek a patent broker for licence agreement to take care of the marketing of patents applied for to preexisting producers for manufacturing agreement.

**K46 - Mobile 5-axis machine tool goes to the work piece**

A Saxon company has developed a mobile machine tool, which is able to machine locally large work pieces with the accuracy and efficiency of ambitious static machines. The rotor of a gas turbine, e. g., may be repaired on site using the mobile machine. The 5-axis machine tool is distinguished by a modular construction enabling customisation to any special requirement. The company seeks for partners from metal working industry for commercial agreements with technical assistance.

**K47 - Machine for wood chips grinding**

A small Czech company with long term tradition in machine building, actually specialized in modernization and general repairs of metal-working machines, worldwide production and deliveries of flat link chains for mechanical variators, has developed and produced innovative machine for grinding of wood chips. Company is looking for commercial agreement with technical cooperation.

**K48 - Innovative Software To Overcome Axes Limit Problem of CNC Machines**

A Turkish software company developed a software program of post processing for CNC machines. Instead of facing with machine axes limit (over travel) problems, the software ensures to recognize and solve the axes limit problems just in the post processing stage. Although the software is adapted to CNC machines, it could be compatible in Computer Aided Manufacturing (CAM) software programs by the help of further development. The company is ready to do commercial agreement with technical assistance.

**K49 - Deep Cryogenic Treatment of metals and plastics to enhance part life**

A French SME has developed a Cryogenic Treatment of metals, plastics and modern materials to increase performance. This proven technology is already exploited by several large manufacturers who have installed cryogenic processing machines in their facility to improve the performance of their products. This SME is looking for other companies that want to improve their current product line by using cryogenics.

**K50 - A simple and stoichiometric synthesis at low temperature of a large variety of metal phosphide nanoparticles and materials**

A French Institute of science and technology has developed a stoichiometric synthesis at low temperature of a large variety of metal phosphide nanoparticles and materials. The main fields of activities concern by Metal phosphide derivatives are: photovoltaic cells(InP,GaP),

gaz sensors(InP), micro and optoelectronics (InP), electronics(GaP), hydrodesulfuration (Ni2P)or biological markers (InP). This French institute is looking for partners for licensing agreements and technical cooperation.

**Technology Request**

**K51 - Technology for preparation of flat plastic surface and direct printing**

Lithuanian SME operating in the field of production flat plastic parts is looking for technology and equipment for printing labels directly on the surface. The company is looking for commercial agreement with technical assistance.

**K52 - A Turkish SME wants to transfer technology in the area of dustproof, noise reduction, balancing, friction reducing and testing of conveyor rolls**

A Turkish SME produces conveyor rolls based on specific orders. The company also produces spare parts for conveyor rolls. The company wants to find partners in order to transfer technology in the area of dustproof, noise reduction, balancing, friction reducing and testing. The company will use the new technologies in order to create added value and to increase its market share. The technologies should have a reasonable effect on the cost. License agreement and joined R&D are preferred.

**K53 - Industrial synthesis of polyurethane pre-polymers in connection with silica organic compounds technologies request**

Polish company active in the plastic sector seeks an industrial technology for polyurethane pre-polymers, which includes less than 1% of free isocyanine. The technology should allow usage of the silica organic compounds for polyurethane pre -polymers modification. The company is interested in commercial agreement with technical assistance and joint further development.

**K54 - Technology for a heat conductive coating for a plastic boards made of polypropylene**

A Czech SME is looking for a technology which will cover non-conductive polypropylene grooved boards with thin heat-conductive layer in order to distribute the heat evenly. This plastic board is supposed to be used as a base for floor heating. The coating technology must be low-cost and already on the market. The company seeks commercial agreement with technical cooperation or a licence.

**K55 - Materials / glass separation for windows & doors recycling**

A French company specialized in recycling and second-life materials is willing to integrate technologies for the treatment of windows and doors: the aim is to remove the glass from the frames, in order to upgrade thereafter the matters separately. Commercial agreement with technical assistance or license agreement with companies & research organisations are sought.

**K56 - Receiving carboxymethyl starch using a dry method (industrial application)**

A Polish SME is looking for the etherification of native cellulose industrial technology leading for receiving carboxymethyl starch derivates. Etherification should be proceed with dry method. Anionic starch ethers should be about the degree of placing to 3. The company is looking for a licence agreement and technical co-operation.

**K57 - Improvement of the oak smoking technology including the ammonia treatment process**

A company from Poland, a longstanding wooden floor producer, is seeking a technological partnership for improvement of the currently operated oak blackening technology through ammonia treatment. As the process duration is too long, the company is interested in its reduction. The company applies the oak smoking technology, but is interested in its further improvement. The company is looking for partners Commercial Agreement with Technical Assistance and Manufacturing Agreement.

**K58 - Drip Irrigation Technology to Increase Irrigation Efficiency and Agricultural Production**

Turkish company producing PP Compression Fittings for PE Pipes is looking for technological partners and research institutes and companies interested in further development and testing of new applications of existing drip irrigation systems. The technology the company is looking for is easy to install, easy to design, very inexpensive, and should reduce disease problems associated with inappropriate levels of moisture plants.

**K59 - Metal Working Technology for Unique Material Applications Such as Automation, Roll Form Design and Auxiliary Hydraulic Equipment**

Turkish SME specialized in industrial solutions for hydraulic presses is searching for partners to develop their technology on metalworking process for unique material applications such as automation, roll form design

and auxiliary hydraulic equipment. They are ready to get the licenses for the developed technology or cooperate in R&D to revise/upgrade existing technologies. They are also open for cooperation on manufacturing/commercial basis.

**K60 - Cleaning technology for plastic packaging spoiled with dirty / dangerous matters**

A French company specialized in waste recycling is willing to upgrade plastic wrappings & packagings spoiled with dirty / dangerous matters. The technology sought should grind, clean the materials while eliminating the unwanted matters; enabling to gather only the nobel materials for further upgrading and treatment. A company or a research entity is sought for commercial agreement with technical assistance, license agreement, or technical cooperation in case of applied development needed.

**K61 - Automatic parquet sorting line using machine vision quality system**

A Polish company is seeking technological partnership for development and implementation of a parquet woodblock sorting line with the machine vision (MV) quality system. The company is a wooden floor producer (parquet and plank floors production, delivery and floor setting and painting services). The company is looking for commercial agreements with technical assistance and license agreements.

**K62 - Automated polishing (using machines to polish) of complex elements made of metals**

An SME from Western Poland, which manufactures metal elements for construction and design is seeking solutions to polish elements made from steel, aluminium and copper in a fully automated process. The company is looking for partners for Technical Co-operation, Manufacturing Agreement, Commercial Agreement with Technical Assistance.

## INFORMATIONSTECHNOLOGIE

### Technology Offer

**K63 - Large-scale, real-time processing of human mobility traces in crowd observation technologies**

A UK university has developed innovative software that offers new insights in human behaviour by uniquely conducting highly sophisticated human dynamics analyses in real-time. It includes novel models for representing crowd behaviour, high-performance data structures and machine learning algorithms using methods inspired from collective intelligence and social networks. The university is looking for industrial or academic partners for joint further development or technical consultancy.

**K64 - Real time, 3D photorealistic imaging and simulation system for the Plastic Surgery Sector, based on a complex physics engine**

A UK SME is a market leader and pioneer of 3D surgical simulation tools for the cosmetic surgery sector. Using

ground-breaking simulation software based on physics-driven tissue typing, the company's patented technology is creating a new standard for 3D predictive surgical simulation. Partnerships are sought with companies involved in the plastic surgery sector for a commercial agreement with technical support or a technical agreement to further develop or adapt the product for new sectors.

**K65 - Industry-leading project management systems**

Lithuanian company provides industry-leading project management system software based on their internally developed framework. Their system has the same versatility of the Web, fostering rapid and flexible application development. The company is looking for licensing of the technology or for commercial agreement with technical assistance.

## **K66 - Monitoring GPS station application**

An Italian ICT company has developed a GPS satellite system suited to determine the geocentric position of any object, stationary or not, on the earth surface. This system is composed of a satellite network placed into geostationary orbit which transmits signals to the earth that are received and processed by GPS receivers. The company is looking for partners interested in a commercial agreement with technical assistance.

## **K67 - Advanced technology for conceptual information access with <1% index-to-data ratio**

A Swiss SME has developed a technology enhancing information access with very low index-to-data ratio and high relevancy in the results. The Semantic Platform is already available. Partners sought are information providers (for legal, financial information, etc) and enterprise solutions software companies for further development and adaptation to needs, including joint venture and license agreements.

## **K68 - Incident management tool for urban areas.**

A small Spanish company has developed a new technology system tool designed to manage effectively the resolution of work that is carried out away from the business premises improving the process and reducing the response times. The use of the device realised with this technology is very simple and low cost. The company is looking for companies and public administrations interested to implement or modify the tool with license or commercial agreements.

## **K69 - Remote environmental monitoring with wireless integrated solutions**

A Swiss SME created an innovative wireless sensor network (WSN) applied to environmental monitoring. Applications are hazards early detection, pollution and infrastructure monitoring, and other applications upon request. The System is long-lived and low-cost, reliable, wireless, Geographic Information System (GIS) based, internet accessible, has automatic alarm. Partners like system integrators / ICT companies to establish common project implementations (commercial & local support) are sought.

## **K70 - Dynamic 3D foot scanner**

An SME from Luxembourg has developed a novel technology that enables the dynamical scanning human feet in 3D. Deformation of feet during walking can thus be observed and recorded in real-time for further analysis. Also, a CAD geometry is generated from the data acquisition. Partners are sought for commercial agreement with technical assistance.

## **K71 - Compressing technology, to frame transfer**

Hungarian small sized enterprise offers software to compress technology for frame, to companies, which produce portable electronic devices and video stores. With the offered technology the amount of transferred data is not enough to replicate the original video material. The company searches cooperative partners for license, technical, commercial, or financial agreement.

## **K72 - Tracking, traceability and active monitoring with RFID applications, including hardware, middleware and software solutions**

A French SME specialized in smartcards and RFID tags solutions has developed an innovative range of solutions for tracking, traceability and active monitoring of any kind. The company is looking for technical cooperation, commercial agreements with technical assistance with industry and consulting firms and is looking for distribution opportunities in Europe.

### *Technology Request*

## **K73 - Innovative software for designing, CAD visualization and creating machinery programmes CAM for curvilinear parquets**

Polish SME is working in the field of floor parquets production. The Company is looking for specialized software CAD/CAM for designing, visualisation and generating of curvilinear parquets according to clients' individual need. The Company is interested in commercial agreement with technical assistance.

## **K74 - Technology for Mobile Conveyor Design, Portable Compass Cranes and Telescopic Conveyors**

A Turkish company specialized in structural design for construction industry, industrial facilities and equipments is looking for partners to cooperate in developing their portable design systems on mobile conveyors, portable compass cranes and telescopic conveyors. The company is seeking edge technologies for structural analysis capability from experienced partners in big projects. The company wants to call on the technical expertise and consultancy in structural design.

## **K75 - Simulation of population behavior for early detection of threats**

An Israeli SME specializing in geospatial data analysis is developing a system for early detection of potential threats using location based data collected from cellular networks. A partner is sought with experience in simulation of population behavior in very large areas such as a city or country. The simulation should include the activity patterns of all of the people in the area. The Israeli company will provide a subscriber activity model and/or a model for the cellular network activity.

## **K76 - A French company designing assistive technology for people with motor/communication disorders (dyslexia, dysphasia) is looking for partners in order to develop new functionalities of its software offer.**

A French company designs NLP (Natural Language Processing) applications for people with motor/communication disorders, SEN (Special Education Needs): dyslexia, dyspraxia, muscular dystrophy, visually challenged people, etc. in order to assist them in their everyday life. In order to develop new functionalities of its software offer, the company is looking for partners specialized in eLearning, pedagogy, artificial intelligence, cognitive sciences, high-tech devices, brain adaptability, etc.

**K77 - Service providers sought for joint development projects: integration of software for self-service over cellular and internet using natural language**

An Israeli SME is looking for integrators to implement its technology with service providers in the mass transportation, health and financial business segments, who are aiming at improving customer services, reducing costs and expenses on call centers and increasing revenues by adding a new innovative automated channel of automated service. The solution is built around a new development concept in which ANY programmer can easily develop an application and integrate it with existing systems.

**K78 - Regional Registry of new borns with congenital malformations for implementing new methods of prevention and treatment.**

A Romanian company is looking for an innovative database to register new borns with congenital malformations for implementing new methods of prevention and treatment. Technology requested can either be at developing stage or fully developed. Preferred type of collaboration is commercial and/or subcontracting agreement.

**K79 - Innovative Technology for Cellular Message World-Wide Providing in Multilingual Way**

An Israeli company is looking for a technology to provide cellular message services - MMS (Multimedia Message Service) and SMS (Short Message Service) over the world. Ideally, the technology has to support many languages, to pass the messages as fast as in milliseconds. The technology requested should be fully developed.

**K80 - Multiplatform integration of radio station systems (RDS, Podcast, Internet, FM)**

A Polish company is seeking a technology automating and integrating local radio station systems. The sought solution should make use of Internet in the station operations and introduce automation to eliminate laborious operations of proper file processing and transfer between different systems, so far done by the producer and journalists. The broadcasting will be done via Internet, in the FM, DAB, RDS formats. The company is seeking partners for commercial agreements with technical assistance.

**K81 - PS Eurostars: multilingual web platform & instantaneous translation tool**

A young innovation French SME creates a virtual interactive document platform offering new solutions for the on-line production of interactive virtual documents: they want to further develop the platform; an instantaneous multilingual web with an automatic linguistic-translation tool. As coordinator of the project, they search for a EUROSTARS proposal minimum two partners with skills in semantic software, instantaneous translation, and also possibly applications such as interactive whiteboard.

**K82 - Application supporting the e-learning system communication**

A company from South Poland seeks a provider of a communications package in order to increase the target versatility and attractiveness of the company's system. They are looking for a partner offering such solution in order to obtain the application and/or co-operate at its development and improvement. The company is looking for partners for technical co-operation.

## AUTOMOBIL – VERKEHR

### Technology Offer

**K83 - Treatment of waste logistic system for introduction of proportional to use rubbish-transport cost payment**

A Hungarian institute for logistics and production develops a treatment of waste support logistic system for introduction of proportional to use rubbish-transport cost payment. Advantage: make possible to pay only as much as how many weighing rubbish have you got. Technology is mainly good for local government, transporter of waste, waste processing and public domain-maintainer companies. The company seeks partners for testing new gravimetric methods and fitting assistant-chassis for rubbish-wagons.

**K84 - Innovative solution for storage of metal sheets**

A Polish company has developed an innovative solution for storage of metal sheets. Incorporation of this metal sheets depot in the company magazine makes the working processes time and cost-effective. Depot is space-efficient because it is divided on different modules and the lift incorporated in the system is used to place materials on a designated shelf. Partners interested in license agreement and technical cooperation are sought.

**K85 - Multimedia communication system for buses and trains**

A Spanish software/hardware company specialized in systems integration has developed and Information System, based on multimedia communications, which aims to inform and entertain passengers during journeys by bus, tram or train. It combines the technologies of Global Positioning System and radio communications. The company is looking for entities in charge of transport systems interested in including this technology, or hardware/software entities that could adapt the system to specific clients needs.

**K86 - Timetable-planning and operational interaction support system for autobuses and trolley buses**

A Hungarian institute for logistics and production developed a timetable-planning and operative intervention supporting system based on measurement of the linear load for auto buses and trolley buses. Main advantage: measure the change of useful weight load from the pressure change of buses' air bellows. Technology is good for public transport companies. Institute searches industrial or service partner to develop transmodell-based network-planning software, produce and cable electronics hardware units.

## **K87 - Intracity Transportation Guide and Transportation Program**

A Turkish Software Company developed a web and mobile application, capable of working either with the existent navigation systems or independently, designated to help people using the public transportation in the metropolitan cities to reach easily to their destination by optimizing transportation lines data. The company seeks GIS companies, software companies, navigation system providers or manufacturers, etc. interested in further development and testing of new applications.

## **K88 - Flow meter with data recorder for consumption measuring of liquid**

A small Slovak company developed and manufactures a flow meter with data recorder for consumption measuring of liquid for vehicles and industrial mechanisms. Advantages over conventional meters include its small size, ability to archive huge amount of recorded data and precise measuring of liquid consumption. The company seeks an industrial partner for joint venture agreement, technical cooperation and commercial agreement with technical assistance.

## **K89 - Flexible cargo securing device for trucks and trailers**

A small Austrian company has developed a new device for securing load transported by trucks or trailers. The device consists of two hollow, elongated profiles, whereas one is movable within the other. Movement is restricted by a lashing and a ratchet. Advantages include ease of use (quick to secure), ability to support up to 1000 daN (deca Newton), adjustability and easy combination of several units. The company seeks licence and manufacturing partners.

## **Technology Request**

### **K90 - Technology to transport heavy, long and outsize cargo is sought**

Technology that will allow the transportation of heavy, long and outsize cargo is sought. A Polish company is looking for a vehicle that will allow transportation of load with untypical characteristics, related to the construction industry. The company is interested in land transporting machines. The technology requested has to be fully developed.

### **K91 - Monitoring system of electromagnetic phenomens produced by the electrified railway to ensure the compatibility with European standards**

A romanian company is looking for an innovative monitoring system of electromagnetic phenomens produced by the electrified railway to ensure the compatibility with European standards. The technology requested can be at developing stage or fully developed. Preferred type of collaboration is commercial and/or subcontracting agreement.

## **K92 - Active masterbatches for the development and industrial production of Intelligent Packaging**

A Spanish leading Group in Flexible and Rigid Packaging is looking for different grades of masterbatch that will be used for producing smart packaging, in order to cover the agrofood and other fresh products markets needs. The properties of the masterbatches they are interested in, will influence the properties of the new packing they are developing, also achieving to prolong the products shelf life. They are interested in technical cooperation agreements.

## **K93 - PS Eurostars - Swarm System for Autonomous Unmanned Micro Aerial Vehicles**

An international consortia coordinated by an Estonian R&D performing SME is looking for additional partners for an Eurostars project aiming to develop a swarm system for Autonomous Unmanned Micro Aerial Vehicles (AUMAV). The sought partner is expected to develop AUMAVs suitable for swarm solutions on mutually beneficial manner.

## **K94 - Kinetic Energy Recovery System for Passenger Cars**

A large US company is looking for proposals for development of a compact kinetic energy recovery system (KERS) to be installed on a passenger car. They are interested in licensing, product acquisition, contract research, proof of concept leading to scale-up to manufacturing, joint development, supplier agreement, etc.

## LEBENSMITTELTECHNIK

### *Technology Offer*

#### **K95 - A new solution to lower salt consumption in the food industry**

A French SME has developed a salt substitute. This product allows the industry to use less natural salt than usual. Some opportunities in bakery, prepared foods, savoury, meat, and cheese applications have been tested. The company has the exclusive rights to promote, produce and distribute this new salt substitute (patented). The company is looking for partners to explore new applications for that salt substitute.

#### **K96 - Wheat grain technological quality determination system based on computer vision systems**

Research unit from North-East Poland has developed an easy and cheap in usage system to determine technological quality of wheat grain. The system is based on computer vision system.

The solution can be used for grain quality determination in laboratories, industrial and research units, taking a part in grain trade. The research unit is interested in scientific-technical cooperation in the sense of joined further development.

#### **K97 - Vibro-packaging technology for fish and aquaculture products**

A Bulgarian SME developed innovative and highly efficient technology and robotized machine for fish and aquaculture products packaging. The technology offered has several processing options which result in higher efficiency, more compact, time-saving work flow and high quality of end product. The machine can be either mobile or stationary. The company is looking for industrial partners interested in implementing the offered technology via JV or commercial agreements with technical assistance.

#### **K98 - Benchmarking Software for Pig Production and Grading**

A UK based research institute has developed a web-based system that enables producers and processors to assess and benchmark the quality and value of pig carcasses delivered for slaughter. The institute is currently seeking commercial partners with access to the pig production market in Europe. A License agreement or technical cooperation is sought.

### *Technology Request*

#### **K99 - Rapid and Uniform Smoke Flavor Process for Food**

A large US company is looking for proposals for technology to rapidly and uniformly smoke the surface of food. Smoking based on smoke directly generated from wood chips is preferable. However, flavoring and/or coloring with smoke concentrate can be a solution so long as the quality is equivalent to the direct smoke. They are interested in contract development and equipment supply.

#### **K100 - Thermoformed Breakaway/Snapable PET Multipacks**

A large US company is looking for proposals for easily separable PET (polyethyleneterephthalate) package units for food applications. They are interested in equipment supply for worldwide production on potentially 250 packaging lines.

#### **K101 - Innovative method for straw arranging in cowsheds**

Polish medium enterprise working in a branch of agricultural machinery production is interested in machinery for processing of straw bales processing, so that a layer of straw is placed in huge cowsheds. The company is opting for commercial agreement with technical assistance or licensing agreement.

## SONSTIGE

### *Technology Offer*

#### **K102 - A new fast-paced team sport with a strongly co-operative aspect, designed to be inclusive of all fitness levels**

An established Yorkshire company has developed a new team sport, and has the capability to supply equipment, training and promotion activity for this new team sport to

be played competitively. The company have sourced manufacturing in the UK and the equipment is protected by a range of intellectual property rights including international patents and registered designs. The company is seeking manufacturers and distributors of sports equipment as partners to develop the sport internationally.

## **K103 - Protective and life-saving ice set**

SME from North-East Poland has developed protective and life-saving ice set for ice fishermen and winter rescue team of shore patrol. The protective and life-saving ice set can be used in rescuing of drowning people, under who the ice get broken on water area. The SME is interested in licensing agreement, in order to start the production of the set.

## **K104 - Flood barrier system design**

A UK company designed a patent protected flood barrier system. The technology is more effective and affordable than current, ubiquitous sandbagging techniques - which are employed throughout the world. The company are now looking for partners to licence the technology.

## ***Technology Request***

### **K105 - Development of High Temperature TGA Furnace**

A Dutch SME is a manufacturer of laboratory instruments. A major domain of activity is thermal analysis, a group of analytical techniques where the properties of a material are determined as a function of temperature. For one of these instruments, a TGA ("thermo gravimetric analysis"), the company wants to expand the current maximum temperature from 1100 °C up to 1600 °C. The company is looking for a cooperation to realize this new high temperature furnace application.

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Trotz sorgfältiger Bearbeitung erfolgen alle Angaben ohne Gewähr