« IKT: Von Europa nach nach Rheinland-Pfalz – von Rheinland-Pfalz nach Europa »

Kooperations- und Technologiegesuche und –angebote Juli 2019

Im Auftrag der Europäischen Kommission unterstützt unser Netzwerk „Enterprise Europe Network" kleine und mittlere Unternehmen, Hochschulen und Forschungseinrichtungen kostenfrei bei der grenzüberschreitenden Verbreitung von und der Suche nach innovativen Technologien.

Die auf den **Seiten 3-11** zusammengestellte Auswahl aus unserer **Kooperationsbörse** aus dem EU-Ausland stellt nur einen kleinen Ausschnitt aus unserer Kooperationsdatenbank dar und enthält Geschäftspartnerwünsche wie etwa die Suche nach Lieferanten, Produzenten, Franchisegebern u.a. **Ab Seite 12** finden Sie wie gewohnt eine kleine Auswahl an Einträgen in der **Technologiebörse.**

Der Newsletter enthält Einträge zu folgenden Schwerpunkten:

Informationsverarbeitung, Informationssysteme, Workflow Management
IT und Telematik-Anwendungen
Multimedia
Industry 4.0, Big Data

Bei Interesse an einem oder mehreren Profilen senden wir Ihnen anhand der Referenznummer des jeweiligen Profils gerne eine ausführlichere Beschreibung und stellen auf Wunsch den Kontakt zum Anbieter her.

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Kooperationsgesuche international (Auswahl!)

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Kooperationsgesuch

Country:	Singapore
Reference:	BOSG20190429005
Summary:	The Singapore company specialising in automation facilities, intelligent communications and information security solutions is seeking potential partners through manufacturing agreement(s) in order to offer its products and services to European companies that are keen to automate their manufacturing plants with smart technologies.
Details:	Incorporated in Singapore since 2006, this company has been providing and building smart manufacturing factories to create high value industries work force for small medium enterprises (SMEs) and multi-national corporations (MNCs). With an experienced engineering team based in Singapore, this company provides technical support and quality management and has formed a series of support products, including integration into manufacturing execution system (MES), vision equipment, non-standard automation, cloud computing, automation engineering, communications, information security, robotics, enterprise resource planning, testing system and robot with intelligent factory as its products and services offering to manufacturing companies. Some example of completed automation projects include: - Fully automated manufacturing solutions - Process and distribution solutions - Integrated factory automation - Robot handling - High speed packaging systems. Their team of engineers also provide evaluation support which includes: - How to get data from everywhere and getting it to the right place at the right time in the right context seamlessly. - Availability of industrial automation control systems which include: unwanted access or activity on the network, intellectual property, unwanted activity and modifications to applications - Products that aids the connectivity to mobile people, assets, and tools. - Deployment cost and evaluation of the complexity of application delivery and maintenance for the client. - Cost of monitoring and maintaining remote assets. - Identifying the skills gap that can potentially lead to maintenance issues of the automation systems to be established. This company is seeking potential business partners in Europe via manufacturing agreement(s), where they will provide the above products and services to European companies that are keen to set up factories employing the latest smart automation manufacturing technologies at a competitive cost coupled with quality.

Kooperationsgesuch

Country:	Greece
Reference:	BOGR20190604001
Summary:	A Greek SME, experienced in GIS (Geographical Information System) applications offers an asset management tool for the real-estate sector. The application is connected to popular map services and enables the user to manage dynamically the assets. The company is looking for collaborators abroad to use or promote the application under a licence agreement.
Details:	A Greek SME dealing with GIS technologies has developed a cloud GIS application. The application allows the management of popular commercial GIS applications for real property (such as Cadastral, LEA, Census, Assets, Compensations Factors etc). The application is processing the data from the commercial GIS platforms and supports the following actions: - Management of assets while the application can import socio-economic data and generate indicators and compensation factor data. - The application allows the uploading of related documents and photos. - Enhanced search is using multiple attribute and spatial criteria to define the property. - Automated reports, ready for printing are easy to generate. - The import of data is convenient and requires no technical skills. - There is also the ability to update data on the field and the ability to synchronize and update other databases. The Greek company is looking for collaboration partners abroad to use or promote the application. The partners are expected to be either real-estate companies or IT companies which target the real estate market. The type of collaboration will be licence agreement. • Access from any device such as a computer, laptop, tablet, or smartphone through a simple web browser • Role based access for users (administrator, publisher, user) • Use of many different popular base-maps such as Google maps, Bing maps, Openstreetmap, etc. • Enable all authorized users (non GIS specialists) to manage the popular property solutions such as Cadastral, Cen-sus, Assets and Compensation Factors' data in a user-friendly unified GIS environment • Capability of attaching documents and photos to cartographic data • Enable all authorized users to create, manage and update all spatial and descriptive data coming from different databases in a unified environment.

Kooperationsgesuch

Country:	Croatia
Reference:	BOHR20190531002
Summary:	A Croatian SME has designed a professional high level e-learning software solution to make e-learning more interesting and efficient. The SME combines e-learning methodology with a classic training approach, develops and supplies custom made training and provides assistance in its implementation. The SME searches for partners based on outsourcing agreement, as well as for subcontracting.
Details:	Croatian SME is a learning & development digital agency specialized in designing and delivering

e-learning, blended learning and traditional facilitator led training solutions customized for needs and objectives of its clients.

After being a member of one of the leading global training & development organizations since 2009, the company realized the advantages of digital technologies in education and decided to create this solution. It connected its long-term experience in training and education for companies with cutting edge technologies to provide valuable, engaging and useful learning. The company is located in Zagreb, Croatia, GMT 1, and virtually can meet its clients anywhere and anytime in the world.
Following the idea that e-learning should be more interesting and efficient and more than just a "click next" button, the SME sets up clear learning objectives, transforms them into a consistent storyboard and adds interactive and visual elements to turn the instructional design into a creative and dynamic process.
However, facilitating learners through meaningful scenarios with the aim of developing new competence is a real challenge. Whether it is new knowledge or skill that someone is learning, the process is custom made and adjusted to different learning styles. Design and development of e-learning content requires a lot of team spirit and involves learning architects, instructional designers, visual and graphic designers, illustrators, photographers and voice-over professionals. The SME shapes the learning methodology to fit the partner's needs and provide high functionality and engagement of learners.
The SME identifies the partner's requirements and analyses given information. It creates the learning strategy and designs the flow of the course. It reviews, edits, adds multimedia and style the course to make it engaging and entertaining. In the end, the course is tested and reviewed prior to publishing and deployment.

Type of partnerships considered are outsourcing agreement and subcontracting. The company is open for discussion about two types of agreements with potential partners. They can be outsourced by a partner to deliver specific project based service or a product or directly with the partner for a longer period of time, or they can be subcontracted by a partner to deliver a service or a production.

Kooperationsgesuch

Country:	Romania
Reference:	BORO20190331001
Summary:	A Romanian IT company offers services such as websites, secure software systems, automation, graphic design, business IT set-up and cloud services. The company targets an outsourcing agreement with a partner from any EEN country, a company that needs an IT solution or related services.
Details:	The company is a start-up based in West Region, Romania. Founded in 2017, the company participated at the national program for start-ups, "Start-up Nation", and received financing. They offer a large scale of IT services such as websites, software, automation, graphic design or business IT set-up. It is a small company with highly skilled employees. They bear with expertise in secure software systems, including hardware, software, connectivity, security and cloud services. Consequently, they use a large scale of modern technologies and developing tools including: Django, Ionic, Python, Java, php & MySql, RaspberryPi, Arduino, Android Studio, and different CMS (Content Management System) They collaborate with their customers from the very first stages of the product development to market or field trials. Throughout the first year this start-up has developed collaborations with important flag companies in the region. Several projects were delivered and many others are currently in development. Among these are: smart parking for local community, smart lighting, elevator control, sprinkles control.

The company offers support for its products, maintenance and further consultancy.

The company looks for partners working in any field of activity and needing an IT solution or a business IT set-up, under an outsourcing agreement.
The Romanian company is already well inserted in the software market, bearing mostly with Romanian, British and German clients. Being a young and flexible company, it seeks new partners and accept new challenges from any company needing a software solution.

The company is a start-up that already gained a stable position on the IT market. Its main advantages are:
- Tailor made products for all the customers in various fields,
- The staff, consisting of well trained and highly skilled young people,
- High availability for customizing the products and assuring life-time maintenance,
- High availability for onsite implementation,
- Fair prices.

Kooperationsgesuch

Country:	Czech Republic
Reference:	BOCZ20190528001
Summary:	A Czech, well established ICT company focuses on development and sale of its own smart card systems and micro technologies including electronic identification systems, RFID (Radio-frequency identification)/NFC (Near field communication), biometrics, and security systems. The company has a good experience with research and business projects. The company seeks partners for commercial agency agreement, outsourcing agreement or subcontracting.
Details:	The Czech company has been established in 1992 and since its start they had intention to make their own high-quality identification and localization products, developed by their own teams of technicians and researchers. Currently, the company´s R&D consumes 20% of turnover and it is also a leading supplier of identification systems in commercial and public administration projects in the Czech Republic. They have also certain international experience with doing the projects. For example, they have been successfully supplying NFC-based products, just as special electronics into multiple countries around the world. The company focuses on the two main areas: 1. Design, development, implementation and support of comprehensive identification and information systems 2. Applied research and development of modern technology and the sale and operation of their applications Their product lines include: 1. Identification systems (leading supplier of Access Control, Attendance, Catering, Parking and Localization Systems on Czech Market) 2. Vending machines (Substitutes a Canteen or Stock for Personal Protective Devices) 3. Security systems (integrated Access Control, Security, Fire-alarm and Surveillance Systems) 4. Research and development (20% of yearly turnover goes to the research and development – private, national and European research projects) For the 2 years the company was chairing EFMI WG cards (European Federation for Medical Informatics) that is European competence centre that supervises activities and provides knowledge to subjects applying ID cards (identification cards) in projects aimed at health issues. The company also represents Czech Republic in ISO (International Organization for Standardization) and CEN (The European Committee for Standardization) groups as for standards in health care domain.

The company engineers small and large micro electronic systems in the Czech Republic currently they launch application hosted in NFC (Near Field Communication) technology and collaborate with mobile operators on management of identities. They also pilot various advanced technologies and provide integration services, e.g.:

- merging new eID (electronic identification) systems into the existing infrastructure

- meeting legal regulatory base for eServices applied within EU

Currently they seek partners that would represent them as agents for their products under commercial agency agreement and also partners that would collaborate on larger microelectronic projects in areas of identification and security under outsourcing agreement or subcontracting.

Kooperationsgesuch

Country:	United Kingdom
Reference:	BOUK20190315001
Summary:	A UK company specialised in digital health has developed an IT platform encouraging citizens to take part in physical activities. The platform enables data collection, analysis & exchange between participants, healthcare professionals, councils or other agencies supporting health through participation in sport activities among the most inactive. The company is looking for licensees among healthcare providers, councils and local agencies who support Smart City initiatives in European countries.
Details:	The UK company has developed a people mobility participation platform using Radio-frequency identification (RFID). People who live in participating towns can collect specific cards which can be obtained from schools, doctor practices, libraries, etc.). Participants tap the card against dedicated readers spread across the participating towns (in the parks, sport centres, schools, etc.) and the activities are recorded. The data can be compared with other individuals or groups. The UK company established in 2006 runs campaigns which make physical activities a way of life for children and families. While most health technologies get fit people fitter, this solution focuses on the behaviour change of the most inactive. Their tested processes create long-term behaviour change within the community leading to widespread benefits such improved mental and physical health, reduced inequality, creation of communities, all underpinned by the company's know-how. Through insight and predictive technology, the company can detect a person's motivations, concerns, expectations and send targeted messages to assist them in leading a healthy lifestyle. The interventions are based on the principles of connecting people to each other, to places and help give people purpose and values. This platform allows participants to track their activities, collect points, compete and engage with their communities by taking part in physical activities. The platform includes: A mass participation 12-month programme, engaging the population of a town and using bespoke RFID technology. The company also offers complete social prescribing solution, which includes website, training and an app using RFID technology. Participants can be referred by medical practitioners to local community services such as walking clubs, self-help groups or schools. The solution has been developed as a means of enabling the health sector to refer people into a range of local non-clinical services to help both mental and physical needs. The company wants to license their solution to local authorities, municipalities and health practices, who want to develop and expand their offering to mobile services or/and marketing/media agencies who are well connected with the public sector and smart city initiative

providers and deliver the programme under the license agreement.
The radio frequency readers can be installed by the company or their local suppliers.

Kooperationsgesuch

Country:	Malta
Reference:	BOMT20190529001
Summary:	This company provides end-to-end managed services, technology and consulting services that facilitate a digital workplace for enterprises, both midsize and small businesses and seeks agents to help them identify these end-users. Since their main strengths are SaaS (software as a service), mobile applications and AI (artificial intelligence) software development they are also interested in contacting companies that are looking for a technical provider.
Details:	This award-winning tech provider offers bespoke solutions depending on the client's requirements. Through their consultation portfolio they strive to understand the client's business and enhance it digitally. Satisfied customers include Vodafone, Adobe, Google, News International, Activision and Betsson. For solutions integration purposes, and to be in a position to offer quality results, be it for cloud, database, security or any other infrastructure need, the company has partnered with Microsoft, Oracle and Amazon, to name a few. Data backups and recovery systems are offered so that clients can effectively manage their data assets. Their automated systems can be integrated with business processes accordingly. The company understands that businesses are inclined to explore emerging technologies like AI or blockchain but do not have the skills or resources. Apart from consulting and training this company supports clients by offering to build proof of concept products and scale it to their specific needs. The company further assists the client by helping to drastically minimise internal resistance to change when new systems are implemented. The company delivers intensive one-on-one and class-based training to smoothen the implementation of an IT system. Apart from direct commercial agreements with agents to help them tap new markets, the company is also open to outsourcing and subcontracting arrangements and is pleased to discuss such partnerships with relevant companies. The company has the capacities to build proof-of-concepts (PoC) to give customers a risk-free product demo that can be explored further with respective investors. Alternatively, they can become the client's technology partner and take the idea to completion. This company's team has experience with SaaS and Mobile Apps, Blockchain, IoT, AI/Machine Learning, Chatbots and Robotic Process Automation projects and enjoys an excellent customer track record.

Kooperationsgesuch

Country:	Czech Republic
Reference:	BOCZ20190411001
Summary:	A Czech software development company focused on the creation and implementation of complex software (SW) solutions based on customer needs is offering services agreement in the United Kingdom (UK), Germany, Austria and Slovakia.

The company has experience with the FinTech, the InsureTech solution and also with e-commerce projects business to customers (B2C), business to business (B2B), customer relationship management CRM.

Details:

The Czech software development company is experienced in designing and developing of software. The company is developing mainly web portals, mobile apps, and extensive database solutions.

The company is over ten years on the market and belongs to the Microsoft Partner Network with a competence of Silver Application Development. The company has experience in international cooperation from global project. It would like broaden its activities mainly to the United Kingdom (UK), Germany, Austria and Slovakia.

The offer of the company includes full cycle software development, which consists of:
- Requirements definition and analysis
- Software development, integration and enhancement
- User training
- Support and Maintenance

The company is open to new projects, which will be handled by professional team members. The partner is expected to be receiver of the services agreement in order to increase the portfolio of made projects and to gain new clients on the new markets.

Kooperationsgesuch

Country: United Kingdom

Reference: BOUK20190416001

Summary: The UK SME specialises in telecommunications and gigabit connectivity with vast knowledge of mobile technologies, internet of things IoT and expertise in connected autonomous vehicle applications including technologies related to internal and external connectivity and GPS hardware configuration.
The SME now offers service agreements to assist companies developing technologies in this field to help minimise risks by assessing, testing and proposing the required configuration changes.

Details:

The UK SME's current projects include commercialisation of IoT (Internet of Things) sensors, gateway and data analytics for smart building/smart cities applications to measure and monitor air quality, carbon dioxide, volatile organic compounds (VOCs), 'occupancy' levels within buildings.

They are also involved in the implementation of specialist security software for mobile devices to allow deletion of data if the device is lost or stolen.

The SME is also involved in testing specific 'rugged' mobile devices for construction and engineering industries.

The company is now offering:

- IT/Cyber Security – including ISO 27001 certification, cyber defence, penetration testing and security training.

- Business continuity and disaster recovery – providing consultancy, advice, risk assessment and

remediation.

- Innovative technologies – internet of things IoT, artificial intelligence, and cloud computing.

- Test products and services and evaluate market capitalisation.

The SME is seeking to further develop their current market by forming long term partnerships with UK and international commercial partners around smart connected technologies, cyber security, product evaluation and testing under service agreements.

Kooperationsgesuch

Country:	Greece
Reference:	BOGR20181120001
Summary:	A Greek IT SME is presenting a platform that helps companies or organizations to deal effectively with the GDPR requirements. The platform is an easy to use IT tool combined with human help-desk manned with specialized advisors. The task is to deal with all the complex GDPR requirements easily. The platform is already used by 800 clients. The company is looking for consulting firms or IT companies for distribution services agreements.

Details:

An experienced Greek SME is providing IT solutions combined with the parallel provision of specialized consulting services. The company has launched many large scaled solutions in the past with successful results and high impact. Now the company has invested effort to create a system that will solve completely the challenge for an entity to comply with the GDPR requirements. This challenge is not easy since there are 11 Chapters with 99 Articles in the Regulation that any entity should respect. It is extremely difficult for any entity to understand and comply fully with the Regulation without costly and lengthy external specialized support.

The Greek company is presenting an innovative platform which helps its users to comply easily and fully with the requirements of the GDPR regulation. The platform runs on internet environment without requiring the utilization of special infrastructure or equipment. The platform provides to the user the ability to view the data that involve personal information or the activities using it. The platform analyzes the operational processing of the user and visualizes the purposes, rights, data transfer and the security measures for the personal data that the user manages. Through simple questions, the platform exports an impact evaluation of a potential breach event on the confidentiality, integrity and availability of the data. The platform also exports a total risk assessment as well as the compliance level of each processing to the GDPR. Finally, the platform checks if it is necessary to perform a data protection impact analysis on the processing. The platform estimates the possibility of threats to personal data due to technological systems, working methods and procedures, human implications and activity scale. This approach of the Greek company ensures the complete identification of deviations from the Regulation.

The platform exports a series of comprehensive reports on the processing that is recorded, together with its dataflow diagrams (before and after the compliance). It also exports the organizational and technical measures that must be adopted by the user based on the total risk assessment. At the end, it exports a series of policy samples that must be introduced to each user. The compliance consultant or the DPO (Data Protection Officer) of the client is then ready to plan the necessary compliance actions and to assess the effectiveness of the compliance evaluation. In the last stage the DPO, in collaboration with the IT department, apply the necessary actions to comply completely to the Regulation. In all these stages, the Greek company is providing specialized advisory services on-demand, at no cost, by using an on-line

help-desk manned with specialized staff.

The Greek company is looking for consulting firms or IT companies. The required partners should be involved in the provision of services for the GDPR compliance. The collaboration sought is distribution service agreement.

Kooperationsgesuch

Country:	Spain
Reference:	BRES20181130001
Summary:	A Spanish ICT company has developed a software technology to manage the lifecycle of IoT (Internet Of Things) devices. This solution is based on an operating system and a management dashboard that control remotely IoT (Internet Of Things) devices. It operates with gateway hardware with specific features and the company is looking for partners capable of producing it under manufacturing agreement.

Details:

Spanish SME specialised in tourism software develops customised hotel and hotel chains websites with booking engine included.

A Spanish ICT company has developed a software technology that manages the lifecycle of IoT devices, enabling companies to reduce time to market project and deployment costs. AdditionaIly it increases the scalability of companies' IoT solutions while boosting their level of security.

The core element of this technology is a secure Linux-based operating system, optimized for IoT (Internet Of Things). This OS (Operating System) constitutes the basis to build a secure environment around the device.

In order to complete its technology, the Spanish company is looking for a manufacturer of a gateway hardware with different technical features that will be integrated within its solution.

The kind of partnership sought is manufacturing agreement.

Technologie & Know-how international

Technologie ANGEBOTE

Technologie GESUCHE

Angebot

Trusted system independent IoT data sharing solution

Ref: TOAT20190529001

The Austrian technology company provides software services for verifying sensor data collected by IoT systems and thus make them auditable.
The company developed a novel software solution for trusted exchange of IoT data between separate companies or different operating sites of one company.

State of the Art:
Companies are increasingly collecting data from their own (industrial) processes. These data can be shared with cooperating organisations (suppliers, customers, R%26D partners, open innovation, ...) to optimize interaction processes and to create new cooperation possibilities (e.g. maintenance per use). For this purpose, the data owner has to trust that no confidential data are exchanged and the data receiver has to trust the correctness of the data he gets. Currently data are encrypted and sent to the targeted company which decrypts the data. For verification of the received data the receiving company has to receive all data of a data set (e.g. every temperature measurement within the period of the dataset). This i) may lead to a high amount of data that have to be sent and ii) may lead to the problem that the data owner does not want to exchange every single data point of the dataset.

Invention:
The Austrian company developed a system-independent peer-to-peer data sharing solution with the capability of data verification across systems. The software is designed as an add-on to existing cloud and IoT solutions, the product is platform-independent and can be easily integrated and individualized in the company's own data administration platform. This can be done by the companies own IT administrator or alternatively by the Austrian company. In this software the data are merged and encrypted. The data of interest can be selected by the data owner or the receiving company via a simple dashboard without the need of any special IT skills. Subsequently the data owner has to approve the transmission of the selected / the requested data. The companies own user management solution can be integrated to define permissions for this purpose. The solution allows the receiver to verify the data integrity even though not all data of the dataset are sent. The data exchange is designed peer-to-peer - without central storage and routing - and thus offers the highest level of privacy and data control for all involved parties. For this transmission both parties have to install the developed system.

Use cases for our technology are for example:
- verification of the output and use of machines in pay-per-use models
- binding of product guarantees to the actual use
- mapping of verified process data for a Cross-Company Digital Twin
- enabling and securing the licensing of technology or know-how

Partner sought:
The company is looking for:
- End-users who want to integrate the solution in their company. In this case a commercial agreement with technical assistance is sought.
- Producers of industrial machines and chips to integrate the verification solution in its products. In this case a license agreement is sought. Alternatively, a research cooperation is sought in case that a close cooperation is necessary for integration of the solution (e.g. in chips).
- Operators of data monetization platforms. In this case a license agreement is sought.
- Consultants (consulting firms, cloud provider, telecom provider, ...) who plan new projects with and for companies. In this case a commercial agreement with technical assistance is sought.

Type and Role of Partner Sought:

The developed technology assures that data integrity and data security are not an issue when companies share (industrial) data with external companies and between different operating sites of one company. The relevant USPs of the developed technology are:

- Data verification: The data owner can decide which data are transferred and the data receiver can verify the correctness of these data even though not all data of a dataset are sent by the data owner (e.g. not each temperature measurement in a measurement period is sent).

- Privacy: System-independent peer to peer transmission of encrypted data without involvement of any third

party

- Simplicity: No need for IT skills to manage the exchange of data. The data of interest can be easily selected by the data owner or the receiving party via an intuitive dashboard. The data owner has to approve the transmission of the selected (data owner) or the requested (data receiver) data. The companies own user management solution can be integrated to define permissions for this purpose.

Angebot

UK SME offering low-cost cloud-based data solution supporting data governance around GDPR seeks to collaborate in market-testing and identify new customers

Ref: TOUK20190314003

Under GDPR, companies must be able to respond to subject access request made by their customers, for example to remove the requested customer data from all their systems. Knowing where the customer data is held and being able to respond timely can be difficult, especially for companies holding personal data in many systems with different data structures (structured e.g. databases, unstructured e.g. emails, documents, photos, etc).

The UK company, established 14 years ago, they help large organisations with complex data problems solve key challenges.

The company has developed a cloud-based solution that allows the discovery and classification of personal data from the many and different source systems, using a target Personal Identifiable Information (PII) data map (also can be used to identify personal data).

It uses fuzzy-logic (and experimenting with machine learning) techniques to match the source data to the data map, speeding up the classification effort. The classified data is then stored in a cloud-based repository giving the company a single overall view of their PII or personal data.

Dashboards and heat maps and other data visualisations are provided enabling the company to quickly see where the PII or personal data held in the company can be found, to take the necessary action needed in response to customer subject access requests.

The company has offices in South Africa and Canada and extensive experience in providing data processes analysis to businesses and project management support to international companies.
The company's aim is to widen their market reach and to establish more international connections.

The solution:
- Is cloud-based and comes with a clearly defined easy-to-use approach, providing same day technology that is already available to help avoid costly and time-consuming technology purchase and implementation.
- Saves costs by using technology already available in the company, thus focusing investment where it matters. It gives rapid results to quickly create an inventory.
- Is adaptable to customer requirements e.g. customised reports can be produced, the Personal Identifiable Information (PII) data map template configured to meet any requirements a company may need. (Note PII is a term used in the US, whereas Personal Data is used more in UK and Europe) etc.
- Is innovative as it uses fuzzy-logic and machine-learning to accelerate the data classification process.

Type and Role of Partner Sought:

License agreement offered to companies participating in solving data challenges in general, more specifically data governance around GDPR, e.g.
- companies that are already consulting in the GDPR space needing to create a personal data inventory for the customers.
- companies working in the GDPR data space, seeking to use or resell data discovery solutions.
- companies working with GDPR technologies such as metadata scanning technologies that need a way to classify personal data, where the respective technologies could be integrated.

Angebot

Activity monitoring algorithm using a smartphone and/or wristband is offered as a service or as a licence agreement

Ref: TOSI20190613001

Accurate activity monitoring is required in domains where further reasoning or person-specific recommendations rely on the user's physical activity. These range from lighter topics such as sports and lifestyle to sensitive topics such as health. Current market offers smartphone applications and dedicated devices, whose scope is mostly limited to step counters (pedometers) with inaccurate estimation of energy expenditure or to monitoring only certain types of activities that the user must explicitly select.
There are many activity-monitoring applications and devices on the market which mostly rely on simple techniques such as step counters, from which they estimate the energy expenditure, or which require the user to explicitly state which activity is being performed (i.e., they do not perform any automated activity recognition). The evaluation of consumer devices has shown that they also lack accuracy in real-life everyday activities. More accurate algorithms have been developed by researchers, but they remain in the academic domain and are not easily available for practical applications.
The artificial intelligence researchers from a Slovenian public research institute have developed, evaluated and validated an algorithm for real-time continuous activity monitoring that utilises sensor data from a smartphone, a wrist-worn or a chest-worn device, and can fuse the data and decisions of the smartphone and one of the wearable wearable devices if both are present on the body.
The activity monitoring consists of activity recognition and estimation of energy expenditure. It is done using machine-learning techniques. The design of the algorithm enables the user to put the smartphone in any pocket or in a bag and in any orientation, since the algorithm first detects the presence of the devices and then normalises the orientation. The normalised signal is used to recognise the location in case of the smartphone. The recognised context of the sensors is used to select the appropriate context-specific machine-learning model for activity recognition and estimation of energy expenditure.
The technology is available either:
a) under technical cooperation agreement as a Software-as-a-Service (SaaS) through application programming interface (API) or
b) under licencing agreement for the algorithm which can be run on a smartphone.
Authors of the algorithm are computer-science experts employed at the Slovenian research institution. They are specialised in development of proprietary methods and algorithms for analysing wearable sensor data used mainly in the health domain, but applicable to other domains. The team has been among the finalists of a global competition for medical diagnostic devices. They have also won two international competitions on activity recognition. They are active in several projects on wearable monitoring of seniors for health, wellbeing and independent living, as well as supporting heart-failure patients using wearables and mobile applications.
The researchers are looking for partners which are either:
a) companies or research institutions which develop applications and would need the service (SaaS) through API (technical cooperation agreement) or
b) companies which are interested in obtaining a licence for implementation of the activity monitoring algorithm in their application (licencing agreement).
In particular following companies or research institutions active in wellness and health domains are sought:
- companies that develop and produce wearable wireless wellbeing, sport and fitness devices;
- companies that offer solutions for remote patient or elderly monitoring, on-site professional healthcare monitoring and home/office/work environment monitoring.

Type and role of partner sought:
The company is looking for other entities (engineering companies, product manufacturers, research centers and universities) in order to develop, test and improve further its in-house software package and foster strategic collaboration by joining relevant clusters.

The company is looking for partners mainly in the industries of maritime, oil & gas, soil mechanics (e.g. earthquake waves), outdoor & underwater acoustics (e.g. infrasound, noise pollution) that have developed a product (in its early design cycle) and available to share some real data. This dat will be used by the Greek company in order to validate the simulation results and develop further their software tool. The type of the partnership considered is the technical cooperation agreement. The collaborator will benefit from the simulation

analysis that will be available, concerning the existing product or technical challenge.

Angebot

Smart and Safe City Platform and Applications
Ref: TOGR20190411002

The company provides a unique solution-oriented approach with 30-years experience in Information Technology. ENGINEERING – the company designs the best solution with its vision one step ahead of technology and experienced R&D personnel. Its focused approach paves the way for a permanent and global solution for the company.
The company provides both consultancy services and turnkey projects. Representing information technologies and quality, it has been adding value to the sector with the best solutions.
The company has been using its vast ICT system integration knowhow and experience to play a role in the IoT field by developing applications for smart city use cases and other IOT related use case scenarios. For the last 4 years the company has been actively participating in smart city projects and developing IoT solutions.
Within a Horizon 2020 project the company is providing the ICT Platform for a Municipality in the center of Turkey. It is a cloud-based platform that collects information from various sources and stores them for the access of mainly the authorized personnel. The platform "City on Cloud" or CoC for short is designed as a city management portal that will put together all energy and mobility data, and thousands of variables will be gathered and stored. The Municipality will be able to monitor all energy, mobility and other data on this city management portal. With its cloud-based nature, it will allow users to access the city management portal from anywhere and with any device that is connected to the Internet.
The company has developed a solution for connecting street lights, which is one of the smart city use cases that is becoming widely popular globally. By connecting street lights, the energy usage will be managed in smarter and more efficient way by allowing the lights dim/brighten when necessary, and equip street lights with additional sensors for a variety of other use cases such as air quality monitoring, security, etc.
The solution includes a wireless luminaire controller, a device that can be accessed remotely for controlling the street light brightness, and a platform that allows monitoring the status of the connected lights. The controller supports LPWAN protocols such as LoRaWAN and NB-IoT (future).
The connected street lights will provide a platform for other smart city use cases such as smart parking, smart traffic management and transport, and smart sensors for other application.
The company would be interested in working with partners such as municipalities in Europe to utilize the City on Cloud platform as well as the smart lighting solution and can demonstrate the energy savings in their cities.
Moreover, the company would also be interested in working with industry partners who can add additional safe city use cases by developing new functionalities at the edge device located on street lamp post or other existing city infrastructure or landmarks.

Type and Role of Partner Sought:
public organizations (e.g. municipalities), industry, academy

Angebot

IoT sensor hub solution for commercial applications
Ref: TOSG20190507001

Deploying IoT can sometimes be challenging, due to complicated technology interfaces or things not working together as seamlessly as expected. As many of existing deployments are customised, much time is consumed in developing these tailored IOT solutions for different industries and deploying sensors in the fields.

The scalable architecture developed by the Singapore SME is capable of reducing 80-90% of the time required in the customised development of IoT solutions. The architecture is able to support up to 50,000 sensors on a

single network and suitable for nation-wide or municipal-wide deployments with very high density of sensors.

The proposed industrial grade IoT sensor hub solution uses a patented technology that simplifies the IoT deployment and offers rapid deployment of sensors with little or no system configuration needed. This technology streamlines the transfer and learning of device functions into a simple touch action by the user. Using a Near Field Communication (NFC)-enabled mobile phone, the IoT sensor hub is detected automatically and a user interface contextualised to the device functions is displayed. This interface can be used to control and display information about the device.

This re-usable, multipurpose and multi-use sensor platform is designed to be flexible and customizable based on the particular use case in very short timeframes.

With a highly scalable architecture, the IoT sensor hub can support up to 1,000 sensors on a single IoT network, and can operate in either standalone or cloud mode.

This sensor hub solution is suitable for use by:
- Technology service providers
- Businesses that are technologically-challenged, and have repetitive and labour-intensive processes
- Large enterprises
- Government and municipals

The applications may include:
- Precision Agriculture / Fisheries
- Cold Chain and Refrigeration Management
- Energy Management
- Asset Management
- Cleaning Services Management
- Building Management
- Data Centre Management
- Retail Management

The Singapore SME is keen to establish the following types of partnerships with industry players SMEs of all sizes or MNEs:

i) Licensing agreement where the partner could license the technology and further develop it to introduce it to its customers.

ii) Commercial agreement with technical assistance where the Singapore SME would provide support in installation and maintenance of the transferred technology.

Type and Role of Partner Sought:

The desired partner could be an SME or MNE with the required sales, marketing and technical support network in the target country.

The types of partnerships sought include:
1. Licensing: The partner can license and offer the technology to its customers, in return for a fee or share of royalties.

2. Commercial agreement with technical assistance: The Singapore SME can provide the following services to support the transfer of technology. This includes:
a. Assistance with starting up an installation
b. Advice on the use of a new process
c. Quality control
d. Technical consultancy
e. Maintenance and machine repair

Angebot

An Italian company developing IoT (Internet of Things) products looks for partners interested in submitting a EU project in the frame of Horizon 2020 and/or to develop a technical cooperation

Ref: TOIT20190206001

An Italian company developing and selling household appliances related to IoT (Internet of Things), with a focus on the intersection of design and technology, looks for partners in order to participate in EU R&D calls for funding (such as Horizon 2020).

A research cooperation agreement is sought with research centers, universities and SMEs in order to join a project consortium.

The company is also interested in a technical cooperation for further development of products / technologies

The company, recognised as official spin-off of Politecnico di Milano, is a mix of design, engineering and made in Italy. Combining these skills, it is able to create smart, cool, med-tech objects for Internet of Things era.

In the computing field, ambient intelligence refers to electronic environments, where devices are sensitive/responsive to the presence of people and work in concert to support them in carrying out their everyday life activities, tasks and rituals in an easy and natural way. As these devices grow smaller, more connected and more integrated into our environment, the technology disappears into our surroundings until only the user interface remains perceivable by users.

In order to develop such products and technologies, the company offers its skills in the field of design, software development and hardware development. Through a research cooperation agreement, the company could share its specific knowledge and expertise in the field of web design, user interface design, electronic engineering and mobile app development. For this reason, the company is open to cooperate with research centers, universities and SMEs, with a view at participating in EU project calls for proposal as industrial partner.

This type of cooperation is very suitable for the company. In fact, since the beginning of 2018, it has been involved as partner in a Horizon 2020 project funded under the call "NMBP-05-2017 - Advanced materials and innovative design for improved functionality and aesthetics in high added value consumer goods". This opportunity has enable the company to gain additional technical know-how in the field of advanced materials and expertise in EU project management.

The company is also considering the possibility of a technical cooperation in order to further develop a product and/or a technology in its fields of activity.

Type and Role of Partner Sought:

Type of organisation sought: universities, research centers and SMEs.

Field of activity of the desired partner: IoT (Internet of Things), user experience design, web communication, advanced materials, information technology.

Role of the partner sought:
- consortium coordinator or project partner willing to submit a proposal under EU R&D calls for funding;
- organisation interested in a technical cooperation with a view at further developing a product and/or a technology.

Angebot

Multicamera tracking and high resolution 3D stereo vision

Ref: TOHR20190301001

This Croatian engineering company is specialized in 3D object tracking in single and multicamera environment setup and high-resolution stereo imaging. They have developed several tracking and surveillance solutions: camera stage tracking system, automated video surveillance and stadiums & smart city surveillance for instant situation awareness.
The SME has a great international experience in entertainment industry with their solution for visual tracking using a single camera. That system has become industry standard.

The company has recently developed a new method of tracking objects through several video cameras in large areas. It also includes a method of tracking objects in real time with PTZ (Pan Tilt Zoom) cameras that allow the development of automated video surveillance systems.
Multicamera environment allows the use of various type of cameras in one surveillance system: panoramic, PTZ (Pan Tilt Zoom) and thermo cameras.
Panoramic camera will detect any person or any vehicle in a supervised area. But it will not detect persons face or a vehicle licence plate, therefore PTZ cameras are used. Based on the image from panoramic camera, PTZ camera is directed to full-body zoom and full vehicle zoom.
Surveillance systems for large high security public areas will have several PTZ cameras. Also security officer is able to direct all PTZ cameras on one person or selected area for full situation awareness.
Tracking a single person in real time using several PTZ cameras is also a feature of this method. Tracking can be manually or automatic by using standard algorithms of object tracking in video stream. This method also supports multi objects in real time tracking.

All these features of multicamera system enables the development of automated video surveillance system. Panoramic cameras are used for large area surveillance. Any movement detection will automatically direct the thermo and PTZ cameras for close imaging and zooming on the subject.
For example, relevant person on a city square can be zoomed from any direction for the face detection and recognition.
Also the system can have dislocated clients/users such as city surveillance, police or traffic surveillance who could use the system for their needs.
This method enables development of automatic surveillance systems. System will detect movement, use the PTZ cameras for zooming and use thermal cameras for imaging. The system activate tracking, calculate object height and width and if criteria meet, it would send a alarm message and video stream to remote location or surveillance center.
Also automated positioning of zoom and thermal cameras can be used in automated fire detection systems. Again, panoramic camera will survey wide area and if disturbance in pixels are detected, system will automatically direct long range thermal imaging camera in the area for instant temperature reading.

Multicamera tracking and 3D high resolution stereo imaging method can have their application in different areas; entertainment industry for camera and light tracking systems, surveillance systems, smart city systems, automated fire detection systems, fruit picking, multicamera ADAS (Advanced driver-assistance systems) systems any many more.

The company is searching for industry partners that can implement the technology in products and/or enhance the practical use of the technology. Partnership may include joint venture, technical cooperation or commercial agreement with technical assistance.

Type and Role of Partner Sought:

The company is looking for partners to sign commercial agreement, and/or technical cooperation agreement. Specifically,

- commercial agreement: the fields of teleoperation, handling & logistics, manufacturing, hardware for AI, and other application technologies needed to solve challenging use cases will likely to benefit from their technology.

- technical cooperation agreement: the company would like to work with vision system providers, AI/ML experts, tactile and/or haptic sensing.

Angebot

Procedure for the association of imaging information obtained following non-destructive, non-invasive investigations conducted with photonic techniques

Ref: TORO20181127001

A group of Romanian researchers active in the field of fundamental and applied research in optoelectronics has developed an unified complex digital model. The digital package of data visualization of complementary investigations is actually a 3D online interactive graphic interface based on a procedure for the association of imaging information obtained following non-destructive, non-invasive investigations conducted with photonic techniques.
Currently, there are methods and algorithms for obtaining 3D digital representations by using stereoscopic photographs as well as methods for overlaying 2D digital images with 3D digital models used in texturing 3D graphics in the multimedia industry. But there was no unitary model of simultaneous viewing, on a digital replica of a 3D surface, of the multi-layer imaging information provided by several photon investigation techniques. The Romanian team solved this technical problem by developing an unified complex digital model; thus, the digital support of the 3D replica of the object or surface studied allows the hidden details of the paintings to be found on any kind of support and detachments or "hidden" defects under the layers of paint or even plaster. Plus, the digital replica can also be studied in detail in other locations outside the site or museum (e.g. in laboratory or classrooms) and there is no need to have a team of experts on site. In conclusion, the invention relates to a procedure for the association of imaging information generated by non-invasive and non-contact photon techniques of investigating the quality of multi-layer surfaces of art objects.
The investigation and diagnosis techniques contained in the present visualization technology are: 3D laser scanning, LIF Scanning (Lase Induced Fluorescence Spectroscopy), LDV scans (Laser Doppler Vibrometry), multispectral & hyperspectral imaging, thermal imaging, colorimetry and microscopy.
The investigation devices deliver data as images representing specific characteristics of the investigated surface. Having such a collection of different data types from different devices may be confusing for some investigators. Therefore, instead of looking at several distinct data images and a digital 3D model of an investigated area, the digital model contains all the available data of the studied surface. In this respect, the researchers have developed a method of correlating all the imagistic data results on the surface of a work of art with its 3D digital representation. The resulted models are accessible via the Internet in a virtual interactive environment that allows the viewer to study the investigated surface with all the needed data overlapped on the areas where they were collected.
The overtone of the results with the 3D model is made based on the matrices of the investigated areas, by associating every pixel of the 2D recorded images as intensity distribution maps with the vertex group corresponding top that pixel, from the 3D digital model of the scanned area. Based on data correlations, the 3D model of the area will be created and it will be glued to the other areas so as to create the final 3D digital replica of the object.
The Romanian team is looking for SMEs, university or R&D centres etc. for collaboration based on services or research cooperation agreement.
Via services agreement the Romanian researchers are offering professional services related to the digital model to universities, museums, local authorities, SMEs, R&D institutes etc. that are seeking for a specific partner able to perform the complex procedures of the visualization technology.
The results that the Romanian team expects to achieve via research cooperation are the improvement of the digital model capacities and further development of ideas associated to this visualization technology by cross-disciplinary approach. Thus, the research cooperation has the potential to discover new openings in the area of optoelectronics & related fields.

Type and Role of Partner Sought:

The digital model can be necessary in carrying out the activities within universities, museums, local authorities, SMEs, R&D institutes etc.; thus, there is a wide range of potential partners who could be interested in the professional services offered by the group of Romanian researchers.
As the use of the visualization technology for the investigation of data obtained on the surfaces of the work of arts requires a high level of expertise and technical ability, the partner sought should be interested in contracting these services for a mid to long term partnering services (on the basis of a services agreement).
The particular aspects of the visualization technology services are to be agreed between the Romanian researchers and the potential partner, depending on the specific requirements of the latter.

Research cooperation agreement is also envisaged with international SMEs, university or R&D institutions active in the same or a related field of activity, which could be interested in working together with the Romanian researchers for the future development of the digital model. Furthermore, by combining different fields of research, the research co-operation can lead to innovative solutions related to the association of imaging information, which will then be available for use in different fields of business and public organizations.
The potential future development should be directly discussed with the Romanian partner based on foreign new ideas.

Gesuch

A Korean company is looking for a manufacturer of smart device to collaborate in developing AI-based human (or system) behaviour/action anticipation system

Ref: TRKR20190522001

AI platforms are increasingly turning all kinds of manufactured products into connected smart products. This trend is ubiquitous in various types and fields, including consumer electronics, educational tools, and self-driving bank, and it is shifting in a fast pace. The development of the technology has expanded to anticipating human behaviours and systematic stage actions, assisting users to consider further and make swifter preparations and actions accordingly.

Established in 2000, the Korean company specializes in remote access & control, monitoring technology, AI & AR technology, and IoT monitoring platform. As a SaaS and solution provider with continuous R&D work, some key features of their technology R&D are their full capability of log accumulation and big data analysis and machine learning based human (or system) behavior anticipation. The technology can be practically applied in different needs, businesses, and types, including wearing devices and after & before services.

With remote access, control, and monitoring technology through continuous R&D, the company has rich experience in providing user-friendly platforms optimized for easy monitoring and management.

The company's monitoring and management platform, with AI based behaviour/action anticipation technology applied and persistent operation available, aims to provide users appropriate pre-services.

The 'smart' device with this technology and service implemented can be commercialized in various fields and businesses, as medical environment to check patients' status with no time and location limits; electronic home appliances to provide appropriate technical guides immediately without managerial personnel visits.

The company has over 5,000 corporate users, including major domestic corporations with high technology needs, while the number of domestic individual users exceeds 100,000. With several patents in smart IoT and SW technology, its nationwide service reliably provides 1 million sessions per month to support its users.

The company is looking for smart device manufacturer that is interested in forming R&D bid consortia with this Korean company to collaborate in development of smart devices with AI based human (or system) behaviour anticipation.
The R&D project is called bilateral R&D program planned and agreed at national level between Korea-Israel and Korea-Switzerland. Thus, only the companies from Israel and Switzerland are fit to join this program.

Type and Role of Partner Sought:

- Type of partner sought: Company, manufacturer

- Specific area of activity of the partner:
Device manufacturers who have their needs to monitor devices, instruments, smart wearables in a real time and limitless locations

- Task to be performed:
Manufacturer of device is sought for upgrading the device.
For example, the manufacturer can upgrade the device for 5G network environment and diversifying or expanding the service location. The type and depth of upgrade are open for discussion.

Gesuch

A multi-user programming platform for GPS system coding

Ref: TRLT20180518001

Focusing on delivering new, easy-to-use and performance-enhancing platform design tools as part of one single price solution one of the largest telemetry equipment producers in Lithuania is looking for a component technology allowing to increase programming process efficiency. Programming component purpose is to enable multi-user programming experience during the code writing process for programmers.

This technology must support GPS enabled applications programming as well as support GSM tracking information processes. Hardware should be easy component part of the wide system and therefore has to be made easily integrated with other systems.

Company looking for such technology currently works on multiple remote sites; therefore, it is crucial that linking hardware platform would support remote use.

It is envisaged that the hardware will be purchased under the commercial agreement with tech support. This technology is needed to update and modernise existing programming process enabling it to become more flexible and robust. Company is not looking to expand their shareholder base therefore other types of partnerships would not be suitable at this point.

Type and Role of Partner Sought:

Partner would act as hardware supplier providing maintenance and installation service for the technology requester.

Gesuch

Dutch based international company specialized in Customs & Trade Control is looking for a solution in the sense of an automated classification system according to Harmonised System standards (World Trade Organisation) and value validation.

Ref: TRNL20190328001

Dutch company specialized in Customs & Trade Control supports clients with all customs- and cross-border handling transactions. Due to increasing e-commerce, the import flow of a variety of products from outside EU, mainly China, is growing and subject to customs regulations which is done manually. Therefore company is looking for an automated system for classification of goods and value validation in co-creation or as a partner in the frame of a services or technical cooperation agreement.

Dutch internationally operating company with more than 170 years of experience and specialized in Customs & Trade Control with 20 offices in Europe supports its clients in the supply chain with all matters related to customs, Legal & Compliance and tax.
The company has a wide network in strategic logistic hubs in The Netherlands, Belgium and Germany. At this moment there is an increasing flow of very diverse incoming e-commerce goods from outside EU, mainly from China. These products are applicable to customs regulations, which still is done manually and consequently is time and money consuming.
This company has spent many years in optimizing the performance of their custom process (clearance and broker transactions) by making it more efficient and effective along the way.
However, due to this growing flow of incoming non EU products, which are subject to custom regulations, the company wants to change the still manual customs procedure in an excellent automated system of value validation and classification of goods according to Harmonised System (HS) standards (World Trade Organisation). Resulting in more efficiency and sticking to delivery times will keep the company being compliant in a most excellent fulfilment of the custom regulations. As development of smart innovative technology is not part of their core business they need outside expertise to incorporate new innovative technologies or novel ideas to realise this.

Cooperation could be in the frame of co-creation or as a partner in applying new or ready-made solutions, matching with a services agreement or technical cooperation agreement or any other form that fits the purpose of this challenge.
The company is looking for start-ups, developers or SME's and is open for all innovative solutions based on Artificial Intelligence, big data or smart data analytics.

This technology request refers to an innovation challenge published on an open innovation platform. If an organization expresses interest before closing date, it will be guided towards this open innovation platform. After registration participants can browse free through other submissions and engage in discussions. All submissions will get feedback by the company on this open platform. The challenge closes on May 27th, 2019. Mind that posts on this platform are not confidential.
Beside open discussions on the platform, sharing of confidential information will be made possible on demand. After that, the firm will select the SME's with whom they would like to cooperate in the development of a solution. Once the challenge is closed, Expressions of Interest for this technology request will be treated in the traditional way.

Type and Role of Partner Sought:

The company is looking for a partner with innovative expertise and know-how in developing in co-creation an automated classification and value validation system and, or methodology. Company is open for all solutions in disciplines like Artificial Intelligence, big data, data science, research, development and so on.