

## TECHNOLOGY TRANSFER E-BULLETIN

Date: 02.05.2020



### AUSTRIA

TRAT20200421001

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An Austrian R&D institute is developing a new technology aiming to quantify the haptic appearance of a product via its surface and material properties. The institute seeks partners to develop this technology and to use it profitably. The aim is to produce product surfaces with the desired haptics, to predict the haptics of new products and to evaluate new surfaces. Both virtual reality and artificial intelligence are used. The institute seeks partners for technical and/or research cooperation.

### SPAIN

TRES20200420001

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The Spanish biotech company is expert in the development of tools for the early diagnosis of colon cancer based on minimally invasive approaches. They have a molecular signature based on some proteins and micro RNA (miRNA) biomarkers and look for partners for manufacturing kits and raw materials (reagents) for the analysis of these biomarkers. Technical and commercial agreement are also interested.

### GERMANY

TRDE20200423001

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A German SME is currently working on the prototype of the world's first robotic cooking kiosk for system catering, which prepares pasta dishes independently. To equip the kiosk and integrate the smart devices into the automation concept, partners from the kitchen appliance industry are sought for commercial agreements with technical assistance. The company is also looking for partners from the robot tool industry for a technical cooperation in adapting devices to the requirements of the kiosk.

### UNITED KINGDOM

TRUK20200427001

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A UK SME is developing a digital platform and innovation for creatives and their discoverers which tracks and traces their digital content online to minimise plagiarism and losses in remuneration. They are now seeking technical and research cooperation partner/s with skills in blockchain and artificial intelligence (AI) to co-develop the solution, and conduct research in the development to bring together multiple disciplines.

### THE NETHERLANDS

TRNL20200407001

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The Dutch company is developer and manufacturer of cooling- and freezing installations in which CO2 is used as a cooling medium. Leakage of CO2 is dangerous for people. The company is looking for a solution to ensure that leakage will be detected quickly. This technology request is part of an open innovation challenge. The Dutch company seeks a collaboration with research or manufacturing partners and envisions a research cooperation agreement or a manufacturing agreement.

### LATVIA

TRLV20200422001

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A company from Latvia operated by scientists, researchers and engineers develops new products and processes in biotechnology. The company is planning to build a bacterial cellulose (BC) pilot-plant to scale up the production of BC. For this purpose it is seeking a partner with corresponding competences. The pilot-plant should be cost effective and highly automated. The company is looking for commercial agreement with technical assistance.

**THE NETHERLANDS**      **TRNL20200423002**      [Full text here](#)      [Request the address](#)

A leading Dutch company active in the entire mushroom supply chain faces shortages in the labour market and rising labour costs. Therefore it wants to robotize the mushroom harvesting process. The company is looking for partners that offer technology to pick mushrooms from different shelves in a narrow growing room. It aims to set up a pilot proving the technical and economical feasibility of such a system within the framework of a commercial agreement with technical assistance.

**THE NETHERLANDS**      **TRNL20200406001**      [Full text here](#)      [Request the address](#)

A Dutch transport company is involved in less-than-truckload, full-truckload and network distribution of cargo. In order to operate more sustainably, the company is looking for new ideas, methods and techniques to secure the cargo in the cages, without using plastic or other environmentally harmful materials. Cooperation with partners is sought and a research or a technical cooperation agreement is foreseen. This request refers to an innovation challenge published on an open platform.

**THE NETHERLANDS**      **TRNL20200428001**      [Full text here](#)      [Request the address](#)

A Dutch recycling company specializes in the separation of bottom ash from waste power plants into semi-finished products (granulates) and valuable mineral and metal fractions. To make the granulates suitable for use in concrete products, it is important to remove the last stainless steel particles as well. The company is looking for innovative technologies and/or other out of the box idea's to detect and remove these particles from bottom ash. A research or technology agreement is foreseen.

**SINGAPORE**      **TRSG20200421001**      [Full text here](#)      [Request the address](#)

A Singapore games development SME seeks technologies related to chatbots, marketing, machine learning and statistics, data analysis for an artificial intelligence (AI)-assisted predictive marketing and community management system. The proposed solution will empower marketers to craft personalised content and maximize customer engagement. EU SMEs from a EUREKA participating country with the sought technologies/capabilities are welcome to collaborate via a licensing/ research partnership.

**AUSTRIA**      **TRAT20200331001**      [Full text here](#)      [Request the address](#)

Vienna-based diagnostics service provider seeks company to design, assemble and package in-vitro diagnostic (IVD) test kits for a proprietary product. Assay development is concluded and relevant product specifications are in place. The cooperation partner needs all required permits and expertise in designing, packaging, assembling and validating the kits. Support is needed for labelling and preparing the required documentation. They seek a partner for manufacturing agreement within Europe.

**SINGAPORE**      **TRSG20200409001**      [Full text here](#)      [Request the address](#)

A Singapore startup focusing on micro- and nano-scale structured substrates that can be used in optics, flexible screens and micro array chips for genomics seeks a partner to enhance their existing technology of micro/nano replication in nano injection moulding and nano-imprinting to develop the company to one with high volume advanced manufacturing capabilities. The startup is keen on licensing, commercial agreements with technical assistance, or research cooperation with European SMEs.

**SPAIN**      **TOES20200222001**      [Full text here](#)      [Request the address](#)

A Spanish inventor has developed and patented a wind turbine column for sustainable energy generation. It consists of a system of vertical blades that take advantage of the wind of cities and transform it into sustainable energy. The inventor is interested in offering license and manufacturing agreements.

**FRANCE**      **TOFR20200402001**      [Full text here](#)      [Request the address](#)

A French SME has developed a holistic software solution, supported by data science, streaming and processing industrial data through artificial intelligence (AI) algorithms. It drives operational efficiency in the industrial operations, in sectors such as automotive, aeronautics, mining, oil & gas, utilities, transport and manufacturing. The SME seeks partners interested in using this technology in the framework of a license agreement or a commercial agreement with technical support.

**NORTH MACEDONIA**      [TOMK20200427001](#)      [Full text here](#)      [Request the address](#)

A Macedonian software programming company is offering a live streaming solution that uses peer-to-peer streaming technology where each connected device is helping to deliver the video to another user. The solution, which has fast video response and low video latency, provides savings of up to 70% of the hosting costs. The company is looking to establish partnership under the terms of commercial agreement with technical assistance.

**POLAND**      [TOPL20200424001](#)      [Full text here](#)      [Request the address](#)

A Polish company specialized in the field of wildlife research & environmental consulting has developed and patented a system for wind power sector. This technology gives the industry simple, automatic onshore and offshore ready tool for bat & bird mortality monitoring. Additionally, by using 360° monitoring, this system is a multi-tool for detection and tracking of different phenomena. The company is offering this technology within license or or commercial agreement with technical assistance.

**UKRAINE**      [TOUA20200417001](#)      [Full text here](#)      [Request the address](#)

This Ukrainian R&D company has developed a technology for the production of “green” hydrogen from biodiesel production waste - bio glycerin, as well as from bioethanol. The company is looking for interested partners on the basis of a technical cooperation agreement to test the technology in an industrial environment.

**GREECE**      [TOGR20200327001](#)      [Full text here](#)      [Request the address](#)

An experienced Greek IT company, dealing with telematics solutions, offers an integrated smart water platform. The platform includes a series of smart meters able to provide remotely information about consumption and damages. It also includes a software suite for the control of the water network. The company is looking for either water suppliers for technical collaboration or companies that provide equipment for commercial agreement.

**ITALY**      [TOIT20200406001](#)      [Full text here](#)      [Request the address](#)

An innovative Italian company has developed a Ready2Use communication platform integrated with wearable devices to drive and manage any kind of field Work-Flow by enabling hands-free real-time collaboration among productive resources. Operators can benefit from both live support approach and a full set of tools for inspection checklists. The SME is interested in commercial agreements with technical assistance with partners or end users such as: manufacturing firms, service providers, utilities.

**SWITZERLAND**      [TOCH20200409001](#)      [Full text here](#)      [Request the address](#)

A Swiss SME with expertise in water treatment has developed a game changing technology for removing of limescale and biofilms in sanitary water pipes in buildings, achieving key benefits for building owners and the wellbeing of occupants. The physical technology is using very low frequency electromagnetic resonance fields. Neither chemical nor biological products are used. The SME is seeking applied research partners interested to test the technology in the frame of a research cooperation.

**SWITZERLAND**      [TOCH20200414001](#)      [Full text here](#)      [Request the address](#)

A Swiss SME with expertise in water treatment has developed a game changing technology for removing biofilms in drinking water pipes for livestock farming, achieving key benefits for animal health and wellbeing. The water treatment technology is using very low frequency electromagnetic resonance fields. Neither chemical nor biological products are used. The SME is seeking applied research partners from the agronomy sector interested to test the technology in the frame of a research cooperation.

**POLAND**      [TOPL20200211002](#)      [Full text here](#)      [Request the address](#)

A Polish SME specializes in research and production of innovative thermal insulation materials. In 2015-2019 a new technology was developed for the production of flame retardant kits of perlite products for protection of reinforced concrete and steel structures. The SME offers knowledge of how to produce the materials on an industrial scale and research on the use of perlite plates as a heat-insulating layer in general construction. The company is looking to work under license agreement.

- GREECE** [TOGR20200402001](#) [Full text here](#) [Request the address](#)  
A Greek SME with expertise in geo-information systems, unmanned aerial vehicles and remote sensing presents a novel product for the visualization of geospatial information upon 3D soil or sand formations. It incorporates the miniature/avatar placement and VR components and includes earth observation satellite paradigms. Private and public companies and organisations are sought interested to collaborate under the framework of commercial agreement with technical assistance.
- GREECE** [TOGR20200407001](#) [Full text here](#) [Request the address](#)  
A Greek company specialized in the field of biomedical engineering is offering two innovative portable systems for in-vivo imaging of radiolabeled compounds in mouse lungs. Both public and private partners, of any size, working on the field of COVID-19 with preclinical models are sought with an interest in establishing a commercial agreement with technical assistance.
- ITALY** [TOIT20200324001](#) [Full text here](#) [Request the address](#)  
A university spin-off in Northern Italy has developed a non toxic and non-cancerogenic fixative alternative to the use of formaline, that is a forbidden substance, to create Formalin-free hospitals, where thousands of health workers are now exposed to its effects. In order to scale up, partners for outsourcing production abroad or for licensing agreements are sought.
- SPAIN** [TOES20200401003](#) [Full text here](#) [Request the address](#)  
A Spanish research institution has developed a new magnetic recording bendable device where information is cloaked, virtually unerasable. The device can store information as the magnetic band of a credit card or a barcode or even more advanced magnetic memories. Once written the information is unalterable and cloaked.
- ITALY** [TOIT20200318001](#) [Full text here](#) [Request the address](#)  
An Italian start-up uses state of the art tools and techniques from Artificial Intelligence and Machine Learning to optimize business operations. They offer a specific product, which leverages recent advances in generative Machine Learning to enable safe and Privacy Law-compliant data sharing between companies. They look for industrial partners to test the beta version available for demonstration within technical cooperation agreements or to apply to research calls for project.
- UNITED KINGDOM** [TOUK20200429002](#) [Full text here](#) [Request the address](#)  
A UK-based research institute with world recognised expertise in the area of infectious disease research is offering its capabilities to industrial partners as well as universities and research organisations in developing innovations in the diagnosis and treatment of COVID-19. It is envisaged that the partnerships will take the form of research cooperation agreements, technical cooperation agreements or commercial agreements with technical assistance.
- ITALY** [TOIT20200416002](#) [Full text here](#) [Request the address](#)  
An Italian start-up has developed and patented an eco-friendly environmental production plant that optimizes the spirulina production using energy and heat produced from biogas through the anaerobic digestion of biomass within the same production process. The amount of production is increased by ten times when compared to other production processes with the same amount of land. The company offers this innovative technology under commercial agreement with technical assistance.
- SLOVAKIA** [TOSK20200309001](#) [Full text here](#) [Request the address](#)  
This Slovak company is a global smart waste management solution provider that enables cities and businesses to manage their waste efficiently, improve the environment and the wellbeing of people. The solution combines unique inhouse-produced smart sensors that monitor waste real-time with sophisticated software and applications. The company is looking for commercial agreement with technical assistance, financial agreement or joint venture agreement.

- FRANCE** [TOFR20200224001](#) [Full text here](#) [Request the address](#)  
An innovative French manufacturer specialized in ultrasonic technologies is looking for establishing new partnerships and R&D co-development projects with companies and scientific research organizations/universities in the Health sector. It wants to collaborate with inventors and companies, eager to work together on innovative non-invasive therapeutic concepts, directly connected to the human health, well-being and comfort, under technological cooperation or R&D projects agreements.
- GERMANY** [TODE20200330002](#) [Full text here](#) [Request the address](#)  
A German university spin-off offers a software suite to simulate the microstructure of metallic materials and its evolution during industrial processes. Time-resolved 3D data provides unique insights into materials development for various processes and materials, e.g. additive manufacturing, thermo-mechanical processing and heat treatments. Partnerships based on technical and research cooperation will be considered.
- GERMANY** [TODE20200304001](#) [Full text here](#) [Request the address](#)  
A German university has developed an adaptive LCD-based optical filter for improving the performance of optical wireless communication systems by effective interference suppression, light equalization, and light angle determination. License agreements (or transfer of rights) and research cooperation agreements are offered to industrial partners from sensor and display technology sector.
- POLAND** [TOPL20200331001](#) [Full text here](#) [Request the address](#)  
Scientists from a Polish university, who specialise in bio-immobilisation technologies and packaging materials, have developed the melamine-modified gelatine - a material for the production of films and coatings employed in food and pharmaceutical industries. The material is cheaper, more effective at preventing oxidation and photodegradation, and its production is safer for the environment than the other solutions. Partnership under license or technical cooperation agreements is offered.
- SPAIN** [TOES20200413001](#) [Full text here](#) [Request the address](#)  
A Spanish start-up that designs and produces new solutions to refrigerate on-board electronics offers its expertise and technology to participate as the thermal management partner in projects related to drones, aeronautics, automotive or space through research or technical cooperation agreements or commercial agreements with technical assistance.
- ITALY** [TOIT20200420001](#) [Full text here](#) [Request the address](#)  
An Italian national research institute has developed a fluidic device that allows high sample volume injection in high-performance liquid chromatography systems and provides an automated purification step, reducing sensitivity problems and facilitating the analysis of extracted compounds from complex matrix. They are looking for technical cooperation or licence agreements with industry to miniaturize and automate the device.
- SPAIN** [TOES20200402001](#) [Full text here](#) [Request the address](#)  
A Spanish research institution has developed a lipid gel composed exclusively of combination of lipids in high diluted conditions, without the need of gelling surfactants or polymers, thus avoiding irritation or adverse responses in medical applications. Its composition enhances biocompatibility and favours drug delivery, especially at topical, mucosal and ocular levels. Companies interested in patent licensing and research collaboration for the development of its applications are sought.
- SPAIN** [TOES20200331001](#) [Full text here](#) [Request the address](#)  
A Spanish public research institution has found the potential of polyethylene glycol on reducing the severity of acute necrotizing pancreatitis and associated lung injury, thus minimizing the systemic inflammatory response. Companies interested in patent licensing and/or in a research collaboration for the development of its application are sought.

- SPAIN** [TOES20181031001](#) [Full text here](#) [Request the address](#)  
 A Spanish public research organisation has developed a novel hybrid material consisting of an enzyme and a structure of nanowires of iron carbonate. The effect of the combination is an enhancement of the catalytic activity which leads to degradation of organic molecules at short times. The nanostructure shows magnetic properties, which allow simple recovery from the reaction media. Chemical or biochemical companies are being sought to collaborate through a patent license agreement.
- GERMANY** [TODE20200401001](#) [Full text here](#) [Request the address](#)  
 A German software developer has developed a highly scalable automation of Excel functions in the cloud in the form of an editor. This editor enables the consolidation of data from different sources into one file and access to this data by different users. The company is looking for partners from industry and marketing as users of the editor in the context of a commercial agreement with technical assistance.
- ROMANIA** [TORO20200325001](#) [Full text here](#) [Request the address](#)  
 A Romanian start-up developed a free global health solution that unites the healthcare providers and connects them with patients. This solution provides efficient tools for increasing the international visibility of the existing healthcare services ensuring a healthy life for everybody. To be able to further develop and to monetize the platform, the start-up would like to find international partners that could give technical solutions or invest money, under a joint-venture agreement.
- ITALY** [TOIT20200408001](#) [Full text here](#) [Request the address](#)  
 An Italian company specialized in fermentation systems and process technologies for biotech production, has developed an innovative solid state fermentation technology that allows a very large number of biotech products. The company is looking for new partners (engineering companies, plants installers and producers, research centers) interested in commercial agreement with technical assistance and research or technical cooperation agreement.
- UNITED KINGDOM** [TOUK20200420001](#) [Full text here](#) [Request the address](#)  
 A UK spin out has launched, and proven, an artificial intelligence (AI) based tool that incorporates experimental data and uncertainty. It helps guide organisations to the best possible material or chemical optimisation in around 90% fewer experiments. New alloys and superalloys have been designed, and small molecule drugs. Industries with a need for new materials or chemicals are sought for commercial agreements with technical assistance or technical cooperation agreements.
- FRANCE** [TOFR20200422001](#) [Full text here](#) [Request the address](#)  
 A French SME specialised in surface coating and treatment has developed stable sol-gel formulation allowing vast possibilities of modification of the surface properties and the introduction of new function to coated material such as conductivity, anticorrosion protection, hydrophobicity, antibacterial properties. Coating properties are adjusted for each application and surface (metals, plastics, glass, composites, fibres,...). Partners are requested for R&D projects or commercial agreements.
- GERMANY** [TODE20200406001](#) [Full text here](#) [Request the address](#)  
 A German engineering company has patented a novel plant layout and deinking method for processing of paper waste. At least one partial stream of rejects of the post flotation process is returned to the preceding deinking circuit. The deinking processes are constantly being modified to be more economical and sparing to the environment, resulting in reduced material losses and chemical consumption. The company is looking for partners from paper industry in the context of a license agreement.
- LUXEMBOURG** [TOLU20200330001](#) [Full text here](#) [Request the address](#)  
 A Luxembourg SME has developed a unique, fast and efficient biomolecule (e.g. antibodies, antigens) deposition technology, and seeks partnership with Enzyme Linked ImmunoSorbent Assay (ELISA) kit manufacturers to bring it to the market. Commercial agreement with technical assistance is sought.

- HUNGARY** [TOHU20200409001](#) [Full text here](#) [Request the address](#)  
A Hungarian technology transfer agency offers its partner's technology, a medical syringe which solves the problem of the danger of infecting patients and health care workers with diseases that can be transmitted by injecting with an infected needle. The technology transfer agency is looking for potential licensing partners in the field of medical and hospital equipment suppliers, dentistry and hospitals.
- THE NETHERLANDS** [TONL20200325001](#) [Full text here](#) [Request the address](#)  
The Dutch company has developed a process for textile dyeing utilizing supercritical CO<sub>2</sub> and offers a water-free and process-chemical free dyeing system for polyester textiles. The closed loop dyeing system needs less energy compared to others and is cost effective. To support the transition of the textile dyeing industry to a circular economy, the company is looking for interested brands and manufacturers in the textile industry. A commercial agreement with technical assistance is foreseen.
- UNITED KINGDOM** [TOUK20200409003](#) [Full text here](#) [Request the address](#)  
A UK technology transfer company established in 2002 and specialising in a range of security and biometrics products is looking to licence out a heat acclimatisation app. This app helps athletes or anyone doing different exercises such as running, cycling to safely adapt to hot environments as fast as possible. The UK company is offering licence agreement for this app to sports and training equipment manufacturers.
- CZECH REPUBLIC** [TOCZ20200117006](#) [Full text here](#) [Request the address](#)  
Czech R&D institution has developed a technology, which minimizes the need for interior plant maintenance while creating suitable conditions for plant growth that positively impact indoor environment. The technology is offered for licensing.
- GERMANY** [TODE20200402001](#) [Full text here](#) [Request the address](#)  
A German IT company offers to develop software and web or mobile applications according to the partner specifications. The experienced team practices a unique approach where the partner's team is involved in the development process and thus introduced to handling cutting-edge technology themselves. Partners are sought for commercial agreements with technical assistance.
- GERMANY** [TODE20200420001](#) [Full text here](#) [Request the address](#)  
A German university offers a method to assess the fertilising potential of sperm. It is based on longitudinal axis rotation within the framework of computer-aided sperm analysis (CASA). The diagnostic power of these systems is thus significantly improved. Providers of computer-aided sperm analysis systems are sought for license agreements.
- GERMANY** [TODE20200406002](#) [Full text here](#) [Request the address](#)  
A German engineering company developed a digital maintenance solution for remote access and remote management of decentralized plants and industrial appliances. By use of the device, the machines can be remotely accessed for diagnosis which reduces the service demand on site. It's a "plug & play"-solution also for unexperienced users. The company is looking for commercial agreements with technical assistance and licensees.
- FRANCE** [TOFR20200212001](#) [Full text here](#) [Request the address](#)  
A French SME designs and synthesizes optimized peptides or small proteins and proposes peptide libraries. It offers its expertise in chemical synthesis, purification, characterization and labelling of peptides, stability and solubility studies, impurity characterization, design and synthesis of analogues, quality assurance analysis and grafting of peptides on nanoparticles and surfaces. The company is looking for partners through manufacturing or research cooperation agreements.
- SPAIN** [TOES20200422001](#) [Full text here](#) [Request the address](#)  
A Spanish university has drafted a method for developing an architectural project by means of Voronoi diagrams, which allows to quickly obtain different distribution possibilities of the uses in the space. In addition, the client is able to see the result in real time. Developers and constructors interested in technical cooperation agreements are sought.

**GERMANY**

TODE20200408002

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A German company has developed a machine tool based on water jet technology which has its origins in heavy industry and is now applied for the first time to the industrial production of high performance precision parts. Systems engineering is characterized by its significantly higher performance and precision combined with reduced energy requirements compared to conventional techniques. Manufacturing agreements or commercial agreements with technical assistance are sought.

**SPAIN**

TOES20200316002

[Full text here](#)[Request the address](#)

A Spanish university presents a scintillator built by means of a monolithic crystal engraved with a flexible and intelligent below-the-surface laser technique. The technology presents unique and precise Lambertian-type diffuse reflection features that can be applied in general radiation detectors and in biomedical diagnostic devices. Looking for licensing, manufacture and technical cooperation agreements.

**ITALY**

TOIT20200416001

[Full text here](#)[Request the address](#)

An Italian company offering a unique platform at European level, integrating all information tools and databases of the plastic waste management sector operators, with the aim to facilitate the creation of business partnerships among them, is interested in finding complementary partners in the area of circular economy, from public organisations to associations or companies and research centres, for commercial agreements with technical assistance, or technical cooperation agreements.

**UNITED KINGDOM**

TOUK20200416001

[Full text here](#)[Request the address](#)

A UK SME has patented, developed and proven a versatile technology for the energy intensive metal casting sector. The device/process is applicable to all metal systems and provides energy saving to the process as well as a higher integrity casting with fewer defects. It is modular and can be easily fitted into current casting process streams. Industrial and research partners are sought for commercial agreement with technical assistance, license agreement or technical cooperation agreement.