

## TECHNOLOGY TRANSFER E-BULLETIN

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### UNITED KINGDOM

TRUK20180529001

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A Scottish (UK) SME are looking to move their manufacturing back to Europe, having been using services in China for many years. The company are looking for a silicone manufacturer who can provide a fully assembled product. The SME sell over 100,000 units a year currently to the nursery and special needs markets. Cooperation is envisioned under a manufacturing agreement or a technical cooperation agreement.

### UNITED KINGDOM

TOUK20180601001

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A UK SME has developed a self-repairing industrial robot system using a patented novel method which eliminates planned and unplanned downtime and system failures. They are now seeking technical partners to further develop the innovation, via technical cooperation agreement, to a proof of concept stage but they are also open to license agreements.

### UNITED KINGDOM

TOUK20180601002

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A UK company has developed a patented solid-state battery technology that uses ceramic ion conductor instead of conventional electrolytes. It has distinct benefits over lithium-ion batteries in number of areas, incl. energy efficiency, faster charge and longer life-span. The company is looking for energy harvesting and sensor companies who have Internet of Things technology to integrate with their new batteries. Commercial agreement with technical assistance or license agreement can be offered.

### GERMANY

TRDE20180530001

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A German start-up company set up a digital marketplace combining suppliers and purchasers of different branches and sizes on one intuitive platform for raw materials. The platform is completely independent from chemicals producers and traders. In order to introduce new services and features and to further develop the platform, partners with know-how, experience and contacts in the chemical industry are sought for technical co-operation agreements.

### GERMANY

TODE20180530001

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A German environmental research centre developed a process and apparatus for selective dielectrically heating a particulate bed using elongate electrodes. The invention supports the warming up of soil beds and materials with the help of rod-shaped electrodes. The research centre is looking for partners in the field of remediation practice for validation, optimisation and adaption for to specific needs under technical cooperation agreement and commercial agreement with technical assistance.

### SINGAPORE

TOSG20180530001

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A Singapore institute of higher learning and research has developed novel fuel cells powered by hydrogen that have 2-3 times higher energy density compared to conventional energy storage devices, such as lithium ion batteries. The fuel cells can be utilized in a broad range of applications, including flight, personal mobility, portable off-grid power etc. This technology is available for licensing. The institute seeks licensing or research partnerships with SMEs of any size or MNEs.

- GERMANY** [TODE20180528001](#) [Full text here](#) [Request the address](#)  
A German environmental research centre developed a method and device for efficient cleaning of contaminated gas (namely air) streams. The approach is based on linking several sub-steps in a way that contaminated gas flows can be cleaned continuously with minimum energy consumption and with high flexibility. The centre is looking for partners for technical cooperation agreements and commercial agreement with technical assistance.
- GREECE** [TOGR20180524001](#) [Full text here](#) [Request the address](#)  
A Greek innovative start-up company specialized in the field of maritime software and hardware for fleet management purposes is offering an autonomous vessel tracking device specially designed for the yacht recreational sector. Partners of any size active in yacht and recreational marine industry are sought interested to conclude commercial agency agreement with technical assistance.
- SWITZERLAND** [TOCH20180425001](#) [Full text here](#) [Request the address](#)  
A Swiss spin-off offers an emission-free, sustainable mobility sharing system based on a specifically developed vehicle: three-wheel, electric with a roof, made of sustainable material. In its function, comfort and investment costs it is positioned between the car and the (e-)bike and developed for the first and last mile. The company is looking for partnerships with cities, public transport and sharing fleet providers as commercial agreement in form of feedback to the offered mobility solution.
- CROATIA** [TOHR20180521001](#) [Full text here](#) [Request the address](#)  
A small Croatian company, active in the field of electrical engineering, computing, and information and communication technology, developed a prototype of a device for continuous remote body temperature monitoring. The advanced technology consists of the wireless transfer of information to the central node via the human body. The company is interested in partnership under license agreement and commercial agreement with technical assistance.
- SPAIN** [TOES20180521001](#) [Full text here](#) [Request the address](#)  
A Spanish research group and a Spanish company have developed a new multifocal scleral contact lens to compensate presbyopia which has the peculiarity of being optically customizable according to the specific needs of each patient. Some prototypes have been manufactured at laboratory level and they have been validated successfully in patients. Currently, CE marking is being processed. Companies interested in licensing agreement or commercial agreement with technical assistance are sought.
- UNITED KINGDOM** [TOUK20180508004](#) [Full text here](#) [Request the address](#)  
The company is a UK based SME developing autonomous mobile robots for intra-logistics material transport. It is developing self-driving material transport vehicles that can be incorporated into companies' warehouses effortlessly. The company is currently engaged in on-site validation trials and is seeking collaborative European partners to develop key technological capabilities and validate the system over a larger pool of user-cases, under a technical cooperation agreement.
- SPAIN** [TOES20180424001](#) [Full text here](#) [Request the address](#)  
A Spanish biotechnological institute offers its bioinformatics service for the differential expression analysis of ribonucleic acid (RNA) sequencing data. The bioinformatics procedure involves quality control, alignment to reference genome, calculation of read counts per gene and differential expression analysis. Results would be provided with detail explanation of the output. Both industrial and academic partners are sought for services agreements collaboration.
- FRANCE** [TOFR20180418001](#) [Full text here](#) [Request the address](#)  
A French start-up specialized in recycling ferrous byproducts has designed a new process for the industrial production of magnetite. By producing it through the recycling of ferrous wastes, they enable a high volume and low cost production of those materials and unblocks the development of new applications such as wastewater treatment or soil remediation. Partnership can be considered via commercial agreement with technical assistance, technical cooperation or joint venture agreement.

- ARGENTINA**                      **TOAR20180328001**                      [Full text here](#)                      [Request the address](#)  
 Argentine SME from the agri-food bio-industry. Because of the research carried out with honey, the company was granted a patent that generates a new creamy product, of high profitability (68% volume increase compared to original volume) and scalability, on the development of new products. It is applicable to 3 Industries: food, pharmaceutical and chemical. The SME is interested in negotiating its commercial development and exploitation through a license agreement or a joint venture agreement.
- FRANCE**                              **TRFR20180315001**                      [Full text here](#)                      [Request the address](#)  
 An innovative French SME is developing and producing environmental friendly products like de-icing salts, weed-killers, dust suppressant or flame retardant. The production of these compositions uses organic acids, now produced in the chemical industry from non-renewable sources. The company is looking for a process to produce such acids from renewable source like biomass: straw, wood, ... Partnership can be considered via manufacturing, technical, R&D agreement, or license agreement.
- ITALY**                                      **TOIT20180326001**                      [Full text here](#)                      [Request the address](#)  
 An Italian company, a start-up with solid research background, offers own competencies in process optimization of nanoparticles, to public research centres in management of new inorganic and polymeric nanoparticles, especially in their application in oncology field. The company is interested in research agreements, or technical cooperation agreements and/or service agreements.
- UKRAINE**                              **TOUA20180313001**                      [Full text here](#)                      [Request the address](#)  
 A Ukrainian company is able to offer a wide range of packaged-type or field erected mechanical draft cooling tower with a capacity up to 10 000 m<sup>3</sup>/h as well as custom designed cooling tower in order to provide customer with the best engineering solution. Looking for: end customer (towers, components and equipment purchase, operation, maintenance); dealer or agent (negotiation, products promoting and sale in the local market); engineering company (products-in-project integration).
- ITALY**                                      **TOIT20180215001**                      [Full text here](#)                      [Request the address](#)  
 An Italian company has developed a novel software platform and app targeting people with disabilities, to ease their daily actions, services, and interactions with common activities. The company is interested in finding partners for jointly market the solution to potential industries through financial agreements, or commercial agreements with technical assistance, or technical cooperation agreements.
- GERMANY**                              **TODE20180612003**                      [Full text here](#)                      [Request the address](#)  
 A German SME provides technologies for the automation of vehicles. They offer support with complex hard- and software solutions for driver assistance, automated driving and autonomous systems. Furthermore, the automation of mobile machines is another core competence of the company. They look for cooperation agreements with technical assistance.
- JAPAN**                                      **TOJP20180608001**                      [Full text here](#)                      [Request the address](#)  
 The Japanese university is aiming to achieve joint research, technical cooperation or patent licensing agreements with EU companies so to find new applications for a polymer synthesis technology they have developed. The technology is currently applied in manufacturing of colour materials and they would like to develop it for chemical and resin material manufacturing fields. The main feature is its reduced costs, 1/100, compared to existing technology.
- CZECH REPUBLIC**                      **TOCZ20180606001**                      [Full text here](#)                      [Request the address](#)  
 A Czech family owned SME, a developer and manufacturer of patented solutions, develops control units for decentralized sewage treatment plants with the focus on smart technologies. The company is offering its development and production capacity to companies who need smart, electronic and mechatronic devices. Commercial agreement with technical assistance or services agreement are possible envisaged forms of partnership.

- ROMANIA** [TORO20180523001](#) [Full text here](#) [Request the address](#)  
A Romanian research institute, active in the research and development of new methods in the analytical chemistry field, has developed a method for the determination of steroid hormones (estrone and  $\beta$ -estradiol) in water samples from rivers, with useful applications in environmental protection and bio-agriculture. The institute is looking for partners to conclude commercial agreements with technical assistance (engineering and technical assistance).
- SPAIN** [TOES20180607001](#) [Full text here](#) [Request the address](#)  
A Spanish university has developed a new anoxic marine sediment remediation system and a procedure that allows in situ transformation of soft, black, muddy sediment into a well-oxygenated, firmer sediment. It could be used for remediation of anoxic sediments on shallow beaches and materials extracted during port dredging that require elimination of anoxic conditions. Companies or public sector authorities interested in licensing or technical cooperation agreements are sought.
- UNITED KINGDOM** [TOUK20180607001](#) [Full text here](#) [Request the address](#)  
A UK company provides an end-to-end solution for tracking of assets such as animals, and anomaly detection. It combines a variety of third party and proprietary hardware and software and is adaptable to changing needs, such as changes in range, indoor/outdoor, offline/cloud-based, etc. Alerts and visualisation will be highly customised to specific needs. Agricultural but also industrial and transport users are sought for commercial agreements with technical assistance.
- UNITED KINGDOM** [TOUK20180607002](#) [Full text here](#) [Request the address](#)  
A UK company has developed an authentication method that is easy for users to memorise whilst generating one-time codes and being extremely secure. It is also hardware-free and easy to roll out for authentication solutions developers and users in sectors such as banking, insurance, e-commerce. Businesses are sought for license agreements.
- ROMANIA** [TORO20180525001](#) [Full text here](#) [Request the address](#)  
A Romanian research institute, specialized in the research and development of new methods in the analytical chemistry field, has developed a method for determination of more than 20 disinfection by-products from drinking water samples, with useful applications in the water treatment plants field. Currently, the method is available for demonstration. The institute is looking for partners to conclude commercial agreements with technical assistance.
- ROMANIA** [TORO20180524001](#) [Full text here](#) [Request the address](#)  
A Romanian research institute, active in the research and development of new methods in analytical chemistry, has developed a method for phthalates determination in milk, with useful applications in the food quality and safety field. Currently, the method is under development/laboratory testing. The institute is looking for partners such as food quality and safety laboratories to conclude commercial agreements with technical assistance (engineering and technical assistance).
- GERMANY** [TODE20180528002](#) [Full text here](#) [Request the address](#)  
A German research institution has developed an acoustic levitator prototype for the contactless real-time observation of particles during spray drying and coating processes. An industrial partner from food, pharmaceutical, chemical sector, or suppliers of analytical tools and equipment for fluidized bed applications is sought for licensing, transfer of rights, contractual research projects, or R&D collaboration to further develop the technology.
- NETHERLANDS** [TRNL20180531001](#) [Full text here](#) [Request the address](#)  
A Dutch clinical stage company is developing a new generation of nanomedicines. Their aim is to use their nanoparticle technology to improve the efficacy and safety profiles of current and novel drugs for the treatment of solid tumours. As part of their development strategy, they are looking for a license and/or technical cooperation agreement with academic research labs to exploit their nanoparticles for enhanced tumour targeting of new oligonucleotides with therapeutic potential.

- ITALY** [TOIT20170511002](#) [Full text here](#) [Request the address](#)  
An Italian expert in refrigeration equipment has developed and patented a new approach for integrating an intercooler system in turbocharged engines, with advantages over current state of the art. Technical cooperation and license agreements are searched with enterprises in the automotive sector or chilling/air-conditioning sector for carrying out a more thorough analysis on prototypes, evaluate market potential, explore possible licensing.
- HUNGARY** [TOHU20180528001](#) [Full text here](#) [Request the address](#)  
A Hungarian SME developed a technology that provides uncompromised safety against full surface fires for large diameter atmospheric storage tanks without polluting the environment or endangering lives. The client is looking for business partners interested in the technology in the form of commercial agreement with technical assistance, a licensing agreement or a service agreement.
- GERMANY** [TODE20180525001](#) [Full text here](#) [Request the address](#)  
Amino acids are widely used as dietary supplements, animal feed additives and as specialty nutrients in the medical field. A German research institution developed an approach to increase yield and productivity of microbial L-tryptophan production by engineering the involved metabolic pathway regulation. An industrial partner from biotechnology and pharmaceutical industry is now sought for licensing, transfer of rights, or R&D collaboration to increase market-readiness of the process.
- LATVIA** [TOLV20180514002](#) [Full text here](#) [Request the address](#)  
A company from Latvia has developed a solution for monitoring and data collection from various utility meter sensors and other measurements. Transmitters are developed to support wide range of utility meters (water, heat, energy) as well as different environment sensors, such as temperature, humidity, CO<sub>2</sub>, and other. The company is looking for commercial agreement with technical assistance with partners interested in implementation of the technology in customised real-time monitoring systems.
- LATVIA** [TRLV20180508001](#) [Full text here](#) [Request the address](#)  
A company from Latvia engaged in paintball game business and supply of equipment to paintball game managers/operators is seeking for technical cooperation agreement to develop joint elaboration of current paintball game manager system technology adding extended functionalities. After development of the technology, the partner should be able to manufacture in small series the elaborated paintball game management equipment.
- SERBIA** [TORS20180426001](#) [Full text here](#) [Request the address](#)  
A Serbian company made an innovative mechanical fruit harvester for synchronized shaking and collecting fruits from two trees at the same time. Advantages in comparison with the existing solutions are: capacity increase by 100% and income increase by app. 100%. The company is interested to find the partner through financial agreement.
- SOUTH KOREA** [TOKR20180404001](#) [Full text here](#) [Request the address](#)  
A Korean company has developed AR based video call technology which increases efficiency of remote support. By using this technology, information is indicated on video call display of receiver simultaneously as the sender draws contents on the device which makes direct remote support possible. The Korean company hopes to sign license agreement with companies interested in remote support service.
- CZECH REPUBLIC** [TOCZ20180621001](#) [Full text here](#) [Request the address](#)  
A Czech SME dealing with embedded technologies has developed in cooperation with university department a camera surveillance system enabling birds/animals observation online 24 hours a day, 7 days a week. It consists of a nest box, embedded electronics, cables, proprietary software and built-in internet connections. The SME is looking for partners from industry or academia interested in commercial agreement or services agreement.

**GERMANY** [TODE20180622001](#) [Full text here](#) [Request the address](#)

A German SME specialized in the processing of space and airborne data has developed a monitoring system for district heating networks and their efficiency. It can be used to detect damages, leakages or corroded insulation to avoid malfunctions, improve the network efficiency and decrease operation costs. Operators of district heating systems are sought for commercial agreements with technical assistance. Partners for EU-funded projects are sought for research agreements.

**CZECH REPUBLIC** [TRCZ20180514001](#) [Full text here](#) [Request the address](#)

A Czech trans-nationally active manufacturer of woven fabrics carries out development of 3D and multi-axial woven structures using state-of-the-art weaving technology for the production of demanding technical fabrics from a range of materials including carbon fibres. The company is looking for industrial partners and R&D institutions for joint development of novel technical textiles and products applicable in industries based on technical cooperation agreement.

**UNITED KINGDOM** [UK20180621000](#) [Full text here](#) [Request the address](#)

A multinational shipping enterprise with a registered base in Scotland (UK) is seeking novel approaches to keep a ship's hull continuously clean of marine organisms, that is, to prevent and/or continuously remove biofouling. The Scottish company is looking for partnerships via a joint venture to pilot technology on a ship.

**ITALY** [TRIT20180619001](#) [Full text here](#) [Request the address](#)

An Italian R&D institution with experience in investigating the influenza A virus, is looking for partners for research cooperation agreement. The influenza A virus is widespread in bird farms with sporadic infections in humans. This project applies NMR (nuclear magnetic resonance) and MD (molecular dynamics) simulation to understand this molecular recognition for new subtypes and, importantly, provides a predictive capacity that will help forestall future influenza epidemics.

**NETHERLANDS** [TONL20180614001](#) [Full text here](#) [Request the address](#)

A Dutch company has developed a system with dry mist technology that will retain produce freshness, colour and nutrients for a significantly longer time. They are seeking companies active at every stage of the food supply chain, from postharvest through to storage, transport, and in the supermarket. The company offers its systems under commercial agreement with technical assistance.

**GERMANY** [TODE20180611001](#) [Full text here](#) [Request the address](#)

A German SME specialized in the processing of space and airborne data with regard to energy applications has developed a methodology to thermographically map roof insulations in a given area. It can be used to promote proper roof insulation among home owners. Municipalities and other public bodies are sought for commercial agreements with technical assistance. Partners for EU-funded projects are sought for research agreements.

**FRANCE** [TOFR20180614001](#) [Full text here](#) [Request the address](#)

An innovative scaffold for spinal cord injury indication has been fully investigated on both small and medium animal models, by a research lab in the Paris region. The French Technology Transfer Office (TTO) acting on behalf the research lab, is looking for a licensing agreement. The requested partner may be any medical device or pharmaceutical company operating in the spinal cord injury recovery process, with a view to conduct further clinical trials.

**SPAIN** [TOES20180613001](#) [Full text here](#) [Request the address](#)

A Spanish tech-based company, with branch in USA (70% from its turnover from Silicon Valley), has developed a multilingual text analytics customer experience platform. It collects and analyses all the unstructured texts from social media, online reviews, call centers logs, and any kind of text in order to transform it into valuable insights to take business decisions. The company is looking for license agreements.



- BELGIUM** [TOBE20180530001](#) [Full text here](#) [Request the address](#)  
 A Belgian IT company developed a platform that collects, manages and makes sense of energy and environmental data via an all-time accessible cloud platform. The solution is a data analytics platform to make quality data available to all the data driven processes and easily generate various types of report, dashboard and alerts. The company is looking for integrator, hardware providers or energy companies for commercial agreement with technical assistance or technical cooperation.
- CZECH REPUBLIC** [TOCZ20180530001](#) [Full text here](#) [Request the address](#)  
 A Czech research institute has developed and successfully prepared new hydrothermally stable metal-organic frameworks (MOFs). These metal-organic frameworks have application potential for gas storage and separation, membrane fillers, catalysis, lithium batteries, proton conductors, sensors, and drug delivery systems. The researchers are looking for partners interested in research or technical cooperation.
- SPAIN** [TOES20180525001](#) [Full text here](#) [Request the address](#)  
 A Catalan research center patented a fluorescent nanostructure (<100nm) with superior stability and remarkable optical properties for bioimaging applications. The fluorescent nanovesicles are produced by a green process and can interact with the hydrophobic or hydrophilic region of the bilayer allowing a targeted application. They are looking for Industrial partners developing diagnostic tools or contrast agents interested in the technology and willing to use it through a license agreement.
- IRELAND** [TOIE20180528001](#) [Full text here](#) [Request the address](#)  
 An Irish SME based in the East of Ireland, active in research and consultancy for 30 years, in metals recycling and environmental technologies for industry and in European Union research, offers a patented clean eco-friendly technology to recyclers to recover gold from electronic waste. This waste has the potential to contain up to 500 grams of gold per tonne. The SME is now seeking commercial agreement with technical assistance, or a financial agreement or a license agreement.
- LITHUANIA** [TOLT20180319001](#) [Full text here](#) [Request the address](#)  
 One of the largest scientific research institutions in Lithuania carrying out a unique fundamental research and technological development in scientific fields of laser technologies, optoelectronics, nuclear physics, organic chemistry, bio and nanotechnologies and other areas in this field. They are offering developed an anodic anti-scratch coating obtained by electrochemical oxidation of alloys under a joint venture, commercial agreement with technical support or research cooperation agreement.
- ITALY** [TOIT20180518001](#) [Full text here](#) [Request the address](#)  
 Italian company developing and producing technologically advanced systems for General Aviation, Space, Defence and Security is willing to cooperate under services agreement, commercial agreement with technical assistance and technical cooperation agreement with EU and non EU countries.
- LATVIA** [TOLV20180514001](#) [Full text here](#) [Request the address](#)  
 An industrial research institute from Latvia has developed modular and flexible hardware and software solution that enables dynamic power consumption monitoring and sensor data acquisition with high data resolution, data transfer rate and synchronization with production processes. It is advanced sensor system for Industry4.0, ISO50001, and ISO9001. The research institute offers commercial agreement with technical assistance or research cooperation for further development of the system.
- ROMANIA** [TORO20180503001](#) [Full text here](#) [Request the address](#)  
 A Romanian software company has developed a cloud-based platform via a user identification device, that helps livestock farm managers through all the management process. The platform is already available on the national market and offers innovative elements like records and reproduction of animals, health status, bonitation according to ideal race, stock management, and events complex reports. The company is looking for partners to conclude commercial agreements with technical assistance.

**JORDAN**

[TRJO20180315001](#)

[Full text here](#)

[Request the address](#)

A Jordanian Company established in 1997, specialized in the extraction and distribution of spa elements from the Dead Sea on the Jordanian side, is the sole provider of its raw materials (baths salts, mud, and brine) for the cosmetics industry. Additionally, Dead Sea skin care products are produced by the company. The company is looking for partners through a research cooperation agreement to develop their skin care products from a liquid form to a gel form.