

TECHNOLOGY TRANSFER E-BULLETIN

Date: 07.05.2019



GERMANY

[TODE20190401001](#)

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A German company has developed a technology to gain phosphoric acid from primary and secondary resources containing phosphorous. The concept is modular and allows flexible adaptation to various feedstocks (e.g. struvite gained from sludge treatment process, calcium phosphates as residues from industrial processing, and sewage sludge ashes). The flexibility of the process allows processing of primary phosphates. Joint venture, research cooperation or technical cooperation agreements are envisaged.

GERMANY

[TODE20190402001](#)

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A fast growing German startup company created a toolbox consisting of mini-sized, autonomous, low-powered developer platforms, connectors and ready-to-use sensor beacons. It enables rapid prototyping of new products for the Internet of Things and all branches of industry and reduces development costs and project risks significantly. The company offers its toolbox under a commercial agreement with technical assistance.

GERMANY

[TODE20190416001](#)

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A German award-winning startup company has developed an intelligent product selection software that identifies the best products for business customers and provides product recommendations based on the customers' requirements. The industry- and product-independent software can easily be integrated in existing web shops and management systems and can also be adapted as a tool for sales representatives. It is offered to all industries within commercial agreements with technical assistance.

SPAIN

[TOES20190306001](#)

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A Spanish technology centre has developed a software for the AEC (architecture, engineering and construction) industry which provides technical support alongside the construction process. It works with BIM (building information modelling) and the main modelling platforms. It allows monitoring of time, cost and quality parameters and gives information on safety and health as well as environmental impact. They are interested to collaborate with a European company through a license agreement.

SPAIN

[TOES20190319003](#)

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A Spanish company has developed a platform that offers a single environment for the visualisation and exploitation of all monitor-able signals regardless of their nature or origin. They seek to establish services agreements and technical cooperation agreements to expand their international presence. The platform also includes adequate tools for conducting customised analysis sessions at a user level.

SPAIN

[TOES20190320001](#)

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A Spanish company that has developed a set of software components for the supervision and monitoring of industrial, energy and smart processes, is seeking to establish services agreements and technical cooperation agreements. This product integrates all the available information sources, processes all the capture signals and offers tools for the supervision and analysis of data improving operational business decision-making processes.

- SPAIN** [TOES20190320002](#) [Full text here](#) [Request the address](#)
Spanish research institute focused in primary care offers one of the largest primary care real world data (more than 5,8 million people) including more than 150 available clinical and demographic data variables for different purposes (research projects, feasibility/exploratory studies, etc.). The institute is seeking institutions and companies for research and technical cooperation agreements.
- GREECE** [TOGR20190411002](#) [Full text here](#) [Request the address](#)
A Greek start-up company, specialized in the field of computer vision and photogrammetry, has developed a core software module, which has been successfully integrated in industry for inventory counting, anomalies detection, dimensionality verification of manufactured parts, people tracking and plant counting. Partners active in industrial and manufacturing sector or ICT companies providing similar solutions are sought interested to conclude commercial agreement with technical assistance.
- SOUTH KOREA** [TOKR20190423001](#) [Full text here](#) [Request the address](#)
A Korean company as a leader in the semiconductor testing market wants to provide ceramic substrates to which newly developed sputtered thick coating technology has been applied. The products are high in thermal conductivity, stability and heat dissipation. The company aims to be an original equipment manufacturer(OEM) for electronics companies under commercial or manufacturing agreements.
- UKRAINE** [TOUA20190329001](#) [Full text here](#) [Request the address](#)
A Ukrainian scientific institute has developed a complex microbial preparation for plant productivity increasing based on nitrogen fixing and phosphate mobilizing bacteria. The preparation stimulates plant growth, development, and protects against the influence of stress factors, phytopathogenes and phytophages. The institute is interested in cooperation with bio-factories, and enterprises that specialize in the production of microbial biopreparations in the form of license agreements.
- GREECE** [TOGR20190411001](#) [Full text here](#) [Request the address](#)
A Greek research center has developed a novel laser processing capable to provide functional coatings for antireflective, antibacterial, friction reducing and other properties. The center is looking for watchmakers, optics or lidar manufacturers for commercial agreement with technical assistance or joint venture agreement. The initial task is to test the technology in a small series of products and later to commercialize the method with the collaborator.
- GERMANY** [TODE20190424001](#) [Full text here](#) [Request the address](#)
A German research institute has developed a traceable, spatial calibration technology which helps to determine calibration of therapeutic ultrasound devices factors more easily. The research institute is looking for licensees amongst manufacturers of medical devices and providers of maintenance.
- GERMANY** [TODE20190328007](#) [Full text here](#) [Request the address](#)
A German research institute has developed a pulse generator circuit with high pulse repetition rate and synchronisation to an external high-frequency (HF) signal. High pulse repetition rates are used for a variety of applications in controlling of electro-optical devices as diode lasers, pockels cells, electro-optical modulators or even image intensifiers. The institute looks for partners for the joint further development of the functional model (tech. cooperation agreement) and for licensees.
- GERMANY** [TODE20190328009](#) [Full text here](#) [Request the address](#)
A German research institute has developed a SQUID-based (superconducting quantum interference device) noise thermometer to measure thermodynamic temperatures in the low-temperature range. The application of noise thermometers is useful as a reference thermometer at low temperatures (< 1 K), especially below 10 mK. Noise thermometers cover the entire temperature range of at least 0.9 mK to 4.2 K. The research institute is searching for licensees.

- GERMANY** [TODE20190328008](#) [Full text here](#) [Request the address](#)
A German research institute has developed a novel mirror concept for fabry-perot resonators which leads to a higher frequency stabilization of the resonator with less effort for the temperature stabilization. Fabry-perot resonators are used to stabilize laser systems. The research institute is looking for licensees.
- GERMANY** [TODE20190328006](#) [Full text here](#) [Request the address](#)
A German research institute has developed a receiver system for fibre-guided ultra-precise frequency signals. The system enables the transmission of the signal of an ultra-stable single-frequency laser over long distances in regular telecommunications optical fibres, solves the problem of the connection of a large number of customers to a single fibre link and represents a significant step in the transmission of the time signal of an optical clock. The institute is searching for licensees.
- GERMANY** [TODE20190328003](#) [Full text here](#) [Request the address](#)
A German research institute has developed a piconewtons transfer standard with micro-electro-mechanical systems (MEMS). This standard enables the calibration of atomic force microscopes as the bending stiffness of their cantilevers can be exactly determined. The offered solution based on a reference surface enables the use of atomic force microscopes as force sensor in pharmaceutical and material research. The institute is looking for licensees and partners for technical cooperation agreements.
- GERMANY** [TODE20190328001](#) [Full text here](#) [Request the address](#)
A German research institute has developed a force measuring device which enables the measurement of tensile and compressive forces without changes of the measurement setup. Due to the offered redirection device changeover times are eliminated. Hereby new and faster calibrations are possible for the entire tensile and compressive force measuring range with zero passage. Additional advantage is that only one climate chamber is needed. The research institute is looking for licensees.
- GERMANY** [TODE20190328002](#) [Full text here](#) [Request the address](#)
A German research institute has developed a built-up measurement transducer system for torques based on the interlocking of several transducers. The technology of the research institute allows a multiplication of the calibration area. The measuring principle enables the combination of transducers and hereby the application in greater loads of torque measurement. The institute looks for licensees.
- GREECE** [TOGR20190412001](#) [Full text here](#) [Request the address](#)
A Greek SME that deals with concrete structures has developed and manufactures innovative ultra thin inorganic cement laminates and inorganic high-performance lightweight sandwich components that are used as decoration and building components for new buildings and for retrofitting of existing buildings. The company seeks partners which are interested in applying these products in their country under a commercial agreement with technical assistance or in manufacturing them by license agreement.
- GREECE** [TOGR20190329001](#) [Full text here](#) [Request the address](#)
A Greek inventor with a long-standing experience in the field of sales and distribution of electrocution prevention devices, has developed an innovative leakage sensitivity controller that protects human life against electrocution and simplifies the installation with a plug-n-play interface. The inventor and his team are open to collaborations under manufacturing, joint venture and/or license agreements.
- CZECH REPUBLIC** [TOCZ20190329001](#) [Full text here](#) [Request the address](#)
An old Czech animal breeding institute has developed a liquid form of an extender concentrate for the dilution and preservation of boar semen that is primarily intended to facilitate and simplify its preparation compared with present extenders that are predominantly in powder form. The client looks for companies breeding pigs and/ or a partner dealing with boar semen usage. Co-operation should be based on a commercial agreement with technical assistance or a license agreement.

- TURKEY** [TOTR20190321001](#) [Full text here](#) [Request the address](#)
 A Turkish company, specialized in engineering services for automotive, is looking to develop a project to reduce commercial vehicle fuel consumptions with a novel methodology the company itself developed. This methodology aims to reduce driver effects on fuel consumption with adaptive tracking. The company use its automotive background in this method. The company is looking for research cooperation agreements to carry out further tryout and prepare a joint work under the H2020 or Eureka call.
- SPAIN** [TOES20190326001](#) [Full text here](#) [Request the address](#)
 A Spanish tech-based company, has developed an automatic gas detection and alert software system for smart industrial monitoring through infrared cameras. It enables exhaustive monitoring and real-time alerting regarding different threats for industries such as gas, fire, flares, liquid leaks, etc. The company is looking for license agreements.
- SPAIN** [TOES20190404001](#) [Full text here](#) [Request the address](#)
 Spanish ICT start-up has developed an application to operate all the keys to access any environment (web, social network, physical place,...) and the users can have a universal access with their smartphone. It is designed to store, in a safe manner, the set user/pass in the mobile device and be able to share (an encrypted version) with clients a credential. The company is looking for licence agreement.
- THE NETHERLANDS** [TONL20190426001](#) [Full text here](#) [Request the address](#)
 An SME in Tubular Membranes for Ultra-Filtration and Forward Osmosis (UF and FO) located in the Netherlands is searching one or more partners to further develop new applications for existing tubular ultra filtration membrane products as well as for Forward Osmosis technology. The client is considering a technical cooperation agreement
- SLOVAKIA** [TOSK20190312001](#) [Full text here](#) [Request the address](#)
 An established Slovak scientific and research institute has successfully managed a piezoelectric pressure sensor based on GaN material substrate, intended to operate in extreme conditions of high temperature and chemically aggressive environment, with high electron mobility transistor (HEMT) as sensing element. The preferred cooperation types are license agreement or financial agreement.
- SLOVAKIA** [TOSK20190321001](#) [Full text here](#) [Request the address](#)
 An established Slovak scientific and research institute in cooperation with a well-known national university has developed a novel metal composite material for biomedical implants. The metal composite fabricated via powder metallurgy comprises bioinert titanium (Ti) matrix and biodegradable component, in particular magnesium (Mg). The preferred cooperation types are license agreement and financial agreement.
- SLOVAKIA** [TOSK20190325001](#) [Full text here](#) [Request the address](#)
 Established Slovak scientific and research institute has developed a novel probe for realization of local charge transient analysis. Charge transient microscopy displays the relief or other characteristic of the surface layer with high spatial resolution using a scanning transient microscope probe placed and moved in a short distance from the displayed surface. The preferred cooperation types are license agreement and financial agreement.
- SLOVAKIA** [TOSK20190402001](#) [Full text here](#) [Request the address](#)
 A novel ultra-lightweight superconductive wire based on magnesium diboride (MgB₂) core stabilized with unique aluminum (Al) composite sheath has been developed by a Slovak research institute. The preferred cooperation types are license agreement or financial agreement.
- ITALY** [TOIT20190417001](#) [Full text here](#) [Request the address](#)
 A leading Italian public medical research centre committed to healthcare and translational medicine has developed an innovative mouth gag for intra-oral procedures to perform safe and easier palatal and oropharyngeal transoral surgery thanks to a retractable and pinching mechanism for tongue compression and tongue base advancement. The medical research centre is looking for industrial partners interested in licensing agreement or technical cooperation agreement of the new device.

- GERMANY** [TODE20190322001](#) [Full text here](#) [Request the address](#)
 Researchers of a German university developed a trans aortic proximal aortic stent-graft [TAPAS-Graft] for insertion into a blood vessel with a proximal triggering mechanism in transaortic approach and with self-expanding prosthesis. The university offers its new invention for a licence agreement worldwide.
- GERMANY** [TODE20190327001](#) [Full text here](#) [Request the address](#)
 Researchers of a German university developed a filter unit with one or multiple microwave resonators integrated into the filter material to monitor filter load during operation. In this way filter exchange intervals can be adjusted to actual filter capacity. The technology is applicable for filtration of contents out of gases or fluids in the fields of industrial waste air, safety at work, fire service and disaster control. The university offers its invention for a license agreement worldwide.
- GERMANY** [TODE20181129001](#) [Full text here](#) [Request the address](#)
 Researchers of a German university invented an arch branched laser-assisted endovascular stent-graft system. This new approach of coupling stent-grafts as a stent-graft system can be used in laser-assisted treatment of aortic arch aneurysms and arch dissections under neuroprotection using an extracorporeal shunt device. The university offers its patent for a license agreement worldwide.
- SPAIN** [TOES20190411001](#) [Full text here](#) [Request the address](#)
 A Spanish biomedical research networking center has developed innovative micelles as non-viral vectors for drug delivery (in particular for siRNA - small interfering RNA delivery) into cancer cells. They are looking to establish license, research cooperation or technical cooperation agreements.
- SPAIN** [TOES20190411002](#) [Full text here](#) [Request the address](#)
 A Spanish biomedical research center has developed an innovative method for the synthesis of a functional version of enzymes with high biological activity (i.e. enzymatic). They have reached to this method by encapsulation in an all-in-one process, vehiculating these enzymes in extracellular vesicles (EVs). This method can be applied for protein-based therapies, and the research center is looking to establish license, research cooperation or technical cooperation agreements for this technology.
- GERMANY** [TODE20190423001](#) [Full text here](#) [Request the address](#)
 A German research institution with a focus on energy related technologies is working on surface modification using ultrashort pulse lasers. Partners interested in functionalised surfaces for any application and materials are welcome to test the technology.
- SPAIN** [TOES20180904001](#) [Full text here](#) [Request the address](#)
 A Spanish research institution and a Spanish advanced technology R&D company have developed a magnetron sputtering device where a homogeneous erosion of the target is achieved and the stability and the production rate of nanoparticle flux for long periods of time are enhanced. Industrial partners manufacturers of industrial and/or lab equipment are being sought to collaborate through a patent license agreement for commercial exploitation of technology.
- UNITED KINGDOM** [TOUK20190319001](#) [Full text here](#) [Request the address](#)
 A novel pumping concept which uses low-pressure gas to induce an in pipe vortex, without internal moving parts, using optimized orifices to induce fluid propulsion. This UK engineering design company (previously manufacturer) seeks a commercial technologically based Joint Venture partner or Licensee to invest in: - Prototype development (scale/deployment) - Materials choices (metals/polymers) - Research in various applications (Fluids/mixed media/gases) - Manufacturing options.
- ROMANIA** [TORO20190405001](#) [Full text here](#) [Request the address](#)
 A Romanian SME is providing a sustainable residential housing solution along with specific services related to conception, design, choice of materials and building handbook and monitoring of the building project. The SME is searching for partners on the European market – prescribers (engineering offices, architects) and project owners (real estate and social landlords, building companies) involved in sustainable construction projects to close commercial agreements with technical assistance

- SLOVENIA** [TOSI20190415001](#) [Full text here](#) [Request the address](#)
A Slovenian research institute has developed a novel approach for reaching highly effective antibacterial action in a human- and environmentally- friendly way using active gold. The technology can be used for the formation of implants in orthopaedics, dentistry, plastic surgery, for antibacterial protection in first-aid material, in cosmetics for hygiene etc. The institute is looking for partners interested in a licensing agreement or research cooperation agreement.
- SPAIN** [TOES20190403002](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a technology based on polymorphisms for diagnosis, prognosis and classification of patients with sensorineural hearing loss, and especially those with Meniere's disease. Until now there has been no available biological method which allows early diagnosis or establishing a long-term hearing loss prognosis. A license and / or technical cooperation agreement is sought.
- SPAIN** [TOES20190404005](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a plate specially designed for sampling contaminant bacterial flora with the palm of the hand. The sampling on the hand palm makes it easy to use and apply. A license agreement or an technical cooperation agreement for a public or private partnership for the further development of the patented technology is sought.
- SPAIN** [TOES20190404002](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a preloaded injectable device for the treatment of cerebral edema in altitude sickness. A license agreement or an agreement for a public or private partnership for the further development of the patented technology is sought.
- SPAIN** [TOES20190424001](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a method for screening, diagnosis, prognosis and/or monitoring osteoporosis. The method consists in a drug that allows obtaining useful data with more efficacy than current drugs. A license agreement or a technical cooperation agreement is sought.
- SPAIN** [TOES20190404006](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a diagnostic technology in the episodic vestibular syndrome (EVS) by using proinflammatory cytokines. A license agreement or an agreement for a public or private partnership for the further development of the patented technology is sought.
- SPAIN** [TOES20190424002](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a marker for the non-invasive diagnosis of renal fibrosis. It allows detection, diagnosis, prediction and/or prognosis of renal fibrosis in an individual, as well as following the efficacy of a treatment for this disease. A license agreement or a technical cooperation agreement is sought.
- SPAIN** [TOES20190424003](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a new therapy for the treatment or prevention of GVHD through a kit composed of an immunosuppressive agent and mesenchymal stromal cells of adipose tissue. The therapy improves and facilitates the processing and accessibility of the donor tissue. A license agreement or a technical cooperation agreement for a public or private partnership for the further development of the patented technology is sought.
- SPAIN** [TOES20190424004](#) [Full text here](#) [Request the address](#)
A Spanish research group of the public health system has developed a method of identifying circulating epithelial cells in peripheral blood to discriminate between patients with chronic obstructive pulmonary disease. The technology allows an earlier and more specific detection of the pulmonary disease than other current methods. A license agreement or a technical cooperation agreement for a public or private partnership for the further development of the patented technology is sought.

- SPAIN** [TOES20190401003](#) [Full text here](#) [Request the address](#)
 A Spanish hospital research group has developed a cell culture medium suitable for the isolation and/or enrichment of cancerous stem cells (CSCs). This technology does not require previous manipulation of cells and it is serum free. The research group is seeking to establish a licensing agreement or an agreement of a public-private partnership in order to further develop the technology (technical cooperation agreement).
- ITALY** [TOIT20190401001](#) [Full text here](#) [Request the address](#)
 An Italian company that provides an advanced decision support system for precision viticulture able to operate world wide, is looking for: industrial or commercial partners in the agrifood sector, under a commercial agreement with technical assistance; industries interested in IPR acquisition, under a license agreement; companies or research center in the ICT sector to further technological improvement of the system, under research or technical cooperation agreement.
- ITALY** [TOIT20190415001](#) [Full text here](#) [Request the address](#)
 An Italian company active in the health and wellness field developed a technology process able to implement nano-data in different items and individual accessories for the protection from electrosmog's disorders. The company is looking for partners willing to invest in the development of the technology through commercial agreement with technical assistance. Technical cooperation agreement with the aim of codesign of products with enhanced features is also welcome.
- SPAIN** [TOES20190328001](#) [Full text here](#) [Request the address](#)
 A Spanish company designs, optimizes and manufactures advanced materials (carbon-based electrode materials) for energy storage systems, through a proprietary nanomaterial development platform. The team counts with a unique and disruptive technology covered by property rights and know how with impact in clean technology procedures and products, enabling a carbon neutral society. The types of partnerships considered are license agreements, research, and joint venture agreements.
- THE NETHERLANDS** [TONL20190327001](#) [Full text here](#) [Request the address](#)
 A Dutch automatic number plate recognition (ANPR) expert is looking for cooperation with system integrators in the framework of a commercial agreement with technical assistance or a license agreement. The company develops and supplies a computer vision neural network development and deployment platform, which is already being used for license plate recognition. The system works inside an edge computing Internet of Things (IoT) ANPR sensor for license plate recognition.
- GERMANY** [TODE20190329001](#) [Full text here](#) [Request the address](#)
 A German research group has developed a new type of a multifunctional, low-weight cabin wall for aircrafts, which guarantees comfortable cabin humidity and low noise levels. Sought are industrial partners for development and implementation of the aircraft cabin wall for transfer of IP rights, licensing, knowledge transfer or research cooperation to refine the technology in commercially relevant projects and increase market readiness. Contacts from other possible application areas are welcome.
- UNITED KINGDOM** [TOUK20190408001](#) [Full text here](#) [Request the address](#)
 An East of England company with an enviable reputation for 100% customer satisfaction are leading providers of solutions to complex inspection and measurement related problems in manufacturing. Users benefit from cleverly devised, soundly engineered working solutions and an insight into future possibilities for their product and process development. Type of collaboration proposed: commercial agreement with technical assistance. Also, technical cooperation around new vision based products.
- UNITED KINGDOM** [TOUK20190401001](#) [Full text here](#) [Request the address](#)
 Smart devices and sensors haven't really taken off yet because of the hassle and cost of setting them up. An East of England start-up company has launched a technology that is easy to adopt for both manufacturers and end-users and furthermore, is often cheaper than the 'dumb' version. Manufacturers of doorbells, smoke alarms, and all types of sensors are sought for license agreements.

CZECH REPUBLIC [TOCZ20190409001](#) [Full text here](#) [Request the address](#)

A Czech university has developed a sound absorbing panel with nanofibrous membrane for applications in room acoustic, transportation and noise control. The sound absorbing material solves noise problem of wide frequency spectrum and is lighter and thinner than others. The scientists are looking for partners interested in further research and development based on a technical cooperation agreement and for companies interested in production under a license agreement.

THE NETHERLANDS [TONL20190408001](#) [Full text here](#) [Request the address](#)

Dutch technology centre for sales and service of vertical disc stack separator is offering self cleaning separators for cream separation, milk cleaning, whey separation, whey clarification and milk standardization. The technology can be applied in small and large dairies. The company offers a commercial agreement with technical assistance to experienced partners with a complementary product portfolio and service department in various countries in Europe.

CZECH REPUBLIC [TOCZ20190424001](#) [Full text here](#) [Request the address](#)

The Czech researchers have developed an air handling unit with thermoelectric heating and cooling. The unit includes the possibility of additional heating or cooling of the air, using the principle of a heat pump, where one or more thermo-electric modules based on the Peltier effect are used instead of a conventional compressor and expansion unit. The unit forms a separate local heating, ventilation, and air conditioning system. The technology is offered on the basis of a license agreement.

FRANCE [TOFR20190118002](#) [Full text here](#) [Request the address](#)

A French company created a platform simplifying robots missions planning in complex environments. Their software allows to program, survey, simulate and analyze a mission with several types of autonomous vehicles involved. They are looking for license agreements with partners willing to integrate their software. For those willing to get technical assistance, they deal with license and technical cooperation agreements.

CROATIA [TOHR20180614001](#) [Full text here](#) [Request the address](#)

A Croatian academic research group active in the field of high-throughput monoclonal antibodies (mAb) development for cutting-edge applications, including proteome analysis offers its collection of mAb. Additionally, the offer includes customized production of proteins. The potential application field is industry and academia worldwide, for research and experimental therapies. The center is interested in non-exclusive licensing agreements or service agreement and joint research.

THE NETHERLANDS [TONL20190326001](#) [Full text here](#) [Request the address](#)

A Dutch SME designs, co-develops and produces custom made transformers, coils and assemblies. Due to orthocyclic winding technology, coils have high density windings and therefore use less energy, copper weight and volume, resulting in a higher performance. Products in serial volumes are being manufactured on in-house built, fully automated winding machines. The SME is interested in a commercial agreements with technical assistance with manufacturers of linear motors and e-mobility motors.

ITALY [TOIT20190416001](#) [Full text here](#) [Request the address](#)

An Italian research group has developed new therapeutic approaches to neurodegenerative and autoinflammatory pathologies. The research group is interested in finding partners for developing the research targeting neurological diseases. Partners may be pharmaceutical companies, startup or other research groups interested in research collaborations, in technical or research cooperation agreements or in financial agreements for future developments of a product.

GERMANY [TODE20190404001](#) [Full text here](#) [Request the address](#)

A German SME has developed an advanced and highly sophisticated optical quality control system for inline quality assurance in manufacturing of plastic, metal, glass and paper products, requiring surface analysis, print inspection, position control, measurement, and completeness check. The system enables to reduce pseudo-defects rejection to a minimum while ensuring the highest defect detection rate. Partners are sought for commercial agreements with technical assistance.

GERMANY [TODE20190416002](#) [Full text here](#) [Request the address](#)

A German engineering company developed and patented a microflotation wastewater treatment technology that has proven very effective in sludge thickening. In most cases, activated sludge can be thickened from 3-5g/l to 50-70g/l without the addition of flocculants. It significantly reduces the sludge volume for disposal and makes it more suitable as biomass or for incineration. Applications are in municipal as well as industrial wastewater treatment. License agreements are offered.

GERMANY [TODE20190404002](#) [Full text here](#) [Request the address](#)

A German university developed an adaptive two-position controller with reduced control-value range for application in engines, pumps, heaters and others. It saves energy and reduces wear. Industrial licensees are sought.

GERMANY [TODE20190322002](#) [Full text here](#) [Request the address](#)

A German university is developing a powertrain integrated DC-DC converter for hybrid vehicles. The new solution has less space requirements and it weighs less than conventional systems. Thus it results in cost savings. Industrial partners are sought to develop the invention to market maturity within technical cooperation and for license agreements.

GERMANY [TODE20190425001](#) [Full text here](#) [Request the address](#)

A German university developed a cancer therapy strategy based on a carbohydrate antigen GD2 target upregulation by an enhancer of zeste homolog 2 (EZH2) EZH2 inhibition. This development responds to the need for improved therapies in GD2 low or GD2neg cancers. The university offers license agreements to industrial partners.

POLAND [TOPL20190409001](#) [Full text here](#) [Request the address](#)

A Polish company is looking for partners interested in manufacturing an innovative modular formwork for foundations and pillars based on a licence agreement in order to introduce the product on global markets.

SINGAPORE [TOSG20190314001](#) [Full text here](#) [Request the address](#)

A Singapore SME has developed a costing diagnostics software for the manufacturing industry to address the concerns of cost wastage. The 99.99% accuracy of the software allows continuous improvement of cost saving activity through modelling. Apart from being accurate, the product also saves time and effort for the management and engineers. The SME seeks partnerships with MNEs and SMEs of all sizes through technology licensing agreements.

ITALY [TOIT20190419001](#) [Full text here](#) [Request the address](#)

An Italian research team is developing an air curtain device for museum application. The device is able to preserve museums artefacts from microclimatic conditions and atmospheric pollutants by means of a mobile air curtain technique. The curtain will behave as a virtual barrier capable of preserving the object from the environmental pollution, allowing at the same time its fruition by the public. Partnerships sought are technical cooperation agreements.

GERMANY [TODE20190312003](#) [Full text here](#) [Request the address](#)

A German university developed an optical data transmission system that increases the transmission capacity via fiber optics by using several orthogonal modes. The university offers a license and a technical cooperation agreement.

GERMANY [TODE20190312001](#) [Full text here](#) [Request the address](#)

A German university developed a navigation method for cleaning robots. The robots in the swarm divide the space between each other which makes the cleaning efficient and with low multiple coverage. The university offers a license and a technical cooperation agreement.

GERMANY [TODE20190312002](#) [Full text here](#) [Request the address](#)

A German university developed a device that improves the harvesting of electromagnetic radiation. It increases the efficiency at low power and enlarges the dynamic range. The university offers a license agreement and a technical cooperation agreement to industrial partners.

GERMANY [TODE20190312005](#) [Full text here](#) [Request the address](#)

Researchers at a German university developed a process that improves the quality of low frequency sound reproduction from small speaker enclosures. Small sealed enclosures achieve deep bass reproduction with smooth roll off and flat phase response without inappropriate loudspeaker diaphragm displacements and excessive power needs. The university offers a license agreement as well as a technical cooperation agreement.

ARMENIA [TOAM20190321001](#) [Full text here](#) [Request the address](#)

Armenian Research Institute engaged in fundamental researches and practical elaborations has developed basically new hydride cycle (HC) method for synthesis of aluminides of refractory metals, prospective as advanced materials for various types of industry. Partners are sought in industry and academia for research cooperation or manufacturing agreement, and joint venture or financial agreement.

SPAIN [TOES20190312001](#) [Full text here](#) [Request the address](#)

A Spanish university offers a new anaerobic treatment of complex wastewater with biogas production, which is optimized for the agrofood sector. The new treatment is conformed by a bioreactor. A support material is used, in a non-arranged way, increasing the active biomass accumulation capacity and allowing downwards flow in the digestion tank. Industrial partners specialized in designing and installing depuration plants are sought for a technical cooperation or licence agreement.

GERMANY [TODE20190326001](#) [Full text here](#) [Request the address](#)

A German research institution has developed a single-step, versatile, cost-effective, pilot-plant scale approved production process for wood-plastic composites (WPC) and other natural fiber composites (NFC) with tunable mechanical properties for different applications. An industrial partner in the NFC, WPC, compounding or refiner branch, i.e. a refiner manufacturer, NFC, WPC, pulp or fiberboard producer/processor is sought for licensing, IP transfer, knowledge transfer or research cooperation.

GERMANY [TODE20190215001](#) [Full text here](#) [Request the address](#)

A German research institution has generated positive data on the use of interleukin-22 binding protein as biomarker for prediction and monitoring of the individual efficacy of anti-TNF-alpha treatments of Inflammatory Bowel Disease and other chronic inflammatory conditions. Sought are SMEs and MNEs of any size, which are involved in the development of such treatments, especially for optimization of anti-TNF-alpha therapy for licensing, transfer of rights, knowledge transfer, or R&D cooperation.

GERMANY [TODE20190410001](#) [Full text here](#) [Request the address](#)

A German company has developed a front wind vector field measurement system for optimising wind speed, wind direction and turbulence measurements in wind farms including an auto detection system for yaw error misalignment, pitch control and wake. This reduces the dynamic loads on wind turbine components and increases the annual energy production. Licensees, technical or research cooperation with wind turbine manufacturers and operators are sought.

QATAR [TRQA20190423001](#) [Full text here](#) [Request the address](#)

This Qatari company is the biggest tank manufacturing company in Qatar. They make all kinds of storage tank such as fuel, chemical. They have developed an activity for the manufacture of concrete hollow masonry blocks mold. They are looking for a technical partnership through a service agreement to enhance concrete hollow masonry block mold fabrication.

ITALY [TRIT20190405001](#) [Full text here](#) [Request the address](#)

An Italian startup active in the field of pharmaceutical technologies has developed an encapsulated cannabidiol enriched olive oil. The company is now willing to bring the product from lab-scale to progressive scale-up and production and is looking for a contract manufacturing organisation expert in encapsulation technology via

prilling/spheronization technique. Cooperation is sought with companies of any size, through manufacturing agreement (private label) or joint venture agreements.

AUSTRIA [TRAT20190418001](#) [Full text here](#) [Request the address](#)

Austrian companies search for solutions in additive manufacturing (AM). Potential partners can offer AM methods to manufacture products based on a metal-ceramic mix with the possibility to add diamond elements to the final product. Furthermore, they are interested in a function follows form approach. The companies are looking for start-ups to implement additive manufacturing solutions under technical cooperation agreement or commercial agreement with technical assistance.

THE NETHERLANDS [TRNL20190410001](#) [Full text here](#) [Request the address](#)

A global leader in logistics, based in the Netherlands offering a broad range of solutions including transporting packages and freight, facilitating international trade. One of the key market segments is the healthcare industry. The multinational is interested to work with partners to develop more reusable packaging in healthcare. To become an even better partner for their business clients they are looking for developing partners interested in a commercial agreement with technical assistance.

AUSTRIA [TRAT20190418004](#) [Full text here](#) [Request the address](#)

Austrian companies search for a technical solution for real time monitoring of production processes and immediate error recognition using augmented and/or mixed reality technologies for remote maintenance and work instructions. They are looking for start-ups from Europe to co-develop and implement the technology under a technical cooperation agreement or commercial agreement with technical assistance.

THE NETHERLANDS [TRNL20190328003](#) [Full text here](#) [Request the address](#)

Dutch company, part of an international accountancy & advisory firm is looking for companies that can help to develop a solution to turn unstructured data from different sources into structured information for the audit process without losing the trace to its original source. Collaboration based on a Research Cooperation Agreement or a Technical Cooperation Agreement. This Technology Request refers to an innovation challenge published on an open innovation platform.

ITALY [TRIT20190402001](#) [Full text here](#) [Request the address](#)

An Italian company skilled in planning and managing urban and industrial facilities, has carried out a feasibility study regarding a biowaste recovery project aimed at fertilizer and energy production to be implemented in Dakar, Senegal. The project is expected to be funded according to the Cotonou Agreement. It is looking for companies with know how in biogas and fertilizer production plants, interested to be involved in the project activities through a Technological Agreement.

SPAIN [TRES20190430001](#) [Full text here](#) [Request the address](#)

A Spanish clinic specialised in helping stroke patients to recover mobility and daily living abilities has developed an innovative gym where stroke patients can work to improve mobility. The company is seeking innovative technologies to help patients with neurological injuries to recover independence in two ways, whether improving mobility or cognitive abilities. They are looking for commercial agreements with technical assistance or technical cooperation agreements.

THE NETHERLANDS [TRNL20190401001](#) [Full text here](#) [Request the address](#)

A Dutch organization in data science and analytics is searching for partners with solutions to produce the enzyme Linamarase, that can breakdown toxin in cassava. Currently the unpredictable levels of the toxic compounds in cassava-derived products make the material unattractive for global food producers. The challenge is to produce this enzyme industrially with the help of biotechnology. A technical cooperation agreement will be provided. This request is part of an open innovation challenge.

THE NETHERLANDS [TRNL20190409001](#) [Full text here](#) [Request the address](#)

The Dutch law enforcement organization is looking for SME's and start-ups from Europe that offer solutions to uncover the revenues and assets of illicit production and sale of synthetic drugs. How can SME's assist in conducting research into people, systems and organizations that misbehave and cause damage to society. The

cooperation would be in the frame of a research or a technical cooperation agreement. This request refers to an innovation challenge published on an open platform.

THE NETHERLANDS [TRNL20190328001](#) [Full text here](#) [Request the address](#)

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.

THE NETHERLANDS [TRNL20190328002](#) [Full text here](#) [Request the address](#)

A not for profit company is an incubator for a Dutch medical university and other universities worldwide. It builds the next generation learning platform for new ways of surgical training & teaching. They aim to build a simpler and cheaper surgical instrument set for caesarean delivery, laparotomy and open fracture treatment with partners within the frame of a technical cooperation agreement. This request is part of an open innovation challenge.

AUSTRIA [TRAT20190418002](#) [Full text here](#) [Request the address](#)

Austrian companies search for a technical solution to measure material conditions of industrial products in extreme environmental conditions. Solutions could range from sensor technology to image analysis but should be small sized and transfer information wireless. They are looking for start-ups to co-develop and implement the technology under a technical agreement or commercial agreement with technical assistance.

THE NETHERLANDS [TRNL20190408002](#) [Full text here](#) [Request the address](#)

To minimize rail traffic nuisance the incident control team of the Dutch rail infrastructure manager solves problems on the spot. The workers cannot go to the toilet because they are working in the middle of nowhere most of the time. Therefore the company is looking for a solution that can be carried easily, keeps the environment clean and creates some privacy. The company aims for a manufacturing or a technical cooperation agreement. This challenge is published on an open innovation platform.

THE NETHERLANDS [TRNL20190410002](#) [Full text here](#) [Request the address](#)

Dutch energy company wants to accelerate energy transition by investing in innovations that lower energy prices of off-shore wind or solar farms. Concepts are sought that can lower costs of maintenance, storage of electricity or transport of hydrogen or can increase efficiency. Especially start-ups & SMEs with early stage ideas are invited to join the online platform. R&D investments could be in the frame of a joint venture, a financial, license, research- or technological cooperation agreement.

THE NETHERLANDS [TRNL20190408001](#) [Full text here](#) [Request the address](#)

Dutch telecom company with various networks providing telecom, IT and television services is looking for technology to reduce and monitor energy of software applications and hardware. For example by making the data traffic and usage responsive or using more energy efficient software coding. The company aims to set up a cooperative pilot project to demonstrate the potential of the technology within the framework of a services agreement. This challenge is published on an open innovation platform.

THE NETHERLANDS [TRNL20190403001](#) [Full text here](#) [Request the address](#)

A Dutch technology development company is a forerunner in renewable chemistry. The company produces liquid humins in the production process of the new plant-based plastic polyethylene furanoate (PEF). The company is looking for technologies, applications and ideas for creating products by applying humins as a novel sugar-based raw material. Cooperation would be in the frame of a research or a technical cooperation agreement. This request is part of an open innovation challenge.

THE NETHERLANDS [TRNL20190402001](#) [Full text here](#) [Request the address](#)

A Dutch company is a leading technology development company and forerunner in renewable chemistry. The company developed a process that converts non-food plant-based feedstock into industrial sugars and lignin. The company is looking for novel technologies, applications and ideas for the lignin that would bring added value

and strengthens the circular economy. Cooperation would be in the frame of a research or a technical cooperation agreement. This request is part of an open innovation challenge

THE NETHERLANDS [TRNL20190410003](#) [Full text here](#) [Request the address](#)

A Dutch healthcare multinational is looking for new ways to improve patient monitoring in order to improve health outcomes, patient experience, staff satisfaction and to realize a lower cost of care. Today, patient care delivery in hospitals is often inefficient, leading to high costs, less than desirable health outcomes and overworked staff. A technical or research cooperation agreement is aimed for. This request refers to an innovation challenge published on an open platform.

AUSTRIA [TRAT20190418003](#) [Full text here](#) [Request the address](#)

Austrian companies search for solutions to capture and extract relevant information to monitor the actual condition of an asset. Potential partners can offer solutions for conditioned based maintenance and/or fog computing technologies to process the data. They are looking for start-ups to implement the technology under technical cooperation agreement or commercial agreement with technical assistance.

AUSTRIA [TRAT20190417001](#) [Full text here](#) [Request the address](#)

An Austrian company is looking for a water micropump with specific properties to be incorporated into a commercial product they are currently developing. The company is interested in existing solutions, possibly to be further customised or developed jointly, under a commercial or technical cooperation agreement. The challenge is the pumping of relatively high fluid flow at little available space.

SINGAPORE [TRSG20190416001](#) [Full text here](#) [Request the address](#)

A Singaporean SME in logistics automation with a strong background in Autonomous Guided Vehicles (AGVs) is seeking European forklift companies to collaborate in the design and development of autonomous forklifts, with a view to supply innovative autonomous forklift solutions to the growing logistics sector in Singapore and globally. The SME is seeking research cooperation and licensing agreements with potential European forklift design and development SME partners.