



## Boletín nº 172 de Oportunidades de Cooperación: Tecnologías de la Información y Comunicaciones

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Agencia Andaluza del Conocimiento  
CONSEJERÍA DE CONOCIMIENTO, INVESTIGACIÓN Y UNIVERSIDAD

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### Anexo con detalle de los perfiles de cooperación

## 1. Perfiles de cooperación (49)

	Título	Resumen	Referencia
1	H2020 LC-GV-03-2019 Public or private entity sought for developing an urban lab to test and deploy Electric Vehicles	A Spanish company is seeking a public or private entity responsible for developing and implementing policies to support the accelerated deployment of recharging infrastructure for Electric Vehicles (EV) for the H2020 call LC-GV-03-2019.  The project aims at removing barriers to large-scale uptake of e-mobility and set up the right conditions for a wide availability of charging points and for improving the conditions for a broad market acceptance in the electrification of transport.	RDES20181128001
2	H2020 DT-NMBP-19-2019 - Consultancy company sought with proven experience in regulation, certification and standardisation of nanomaterials	A Spanish research centre is seeking a consultancy company with proven experience in regulation, certification and standardisation of nanomaterials for the H2020 topic DT-NMBP-19-2019. Knowledge of additive manufacturing, nanomaterials and energy will be appreciated.  The main goal of the project is to optimize the 3D printing process of multi-ceramic nanomaterials for fabricating high-performing functional devices with the required level of customization.	RDES20181129001
3	Eurostars: SME coordinator with expertise in sleep medical devices and/or mobile application	A Swiss university together with a Swiss sleep centre is preparing a Eurostars proposal. The aim is to develop a smart platform to assess, monitor and promote a good sleep hygiene. Particular attention is on people suffering from insomnia or other sleep disorders. An R&D performing SME project coordinator already involved in the EU medical market is sought for a research cooperation. The coordinator should have the capacity and be	RDCH20190108001

	development sought	interested to commercialize the technology.	
4	[Eurostars2] The consortium from South Korea is preparing the proposal in the field of Real-time Binaural Sound technology to improve sleep disorders and looking for hardware and software expert	A Korean company is seeking partners to collaborate by submitting Eurostar2 project proposal. The company's project is real-time binaural sound technology, and they are now focusing on the sleep aid device and its service and wish to find partners under research cooperation agreement.	RDKR20181114002
5	H2020: Looking for European industries using large industrial equipment (>150kW of power) from these sectors: chemical and petrochemical, machinery production, paper and pulp, food, metal, textile, electric power generation, water treatment, cement	A Spanish research centre is preparing a proposal for the call H2020 DT-FoF-06-2019 aimed to develop, test, demonstrate and market uptake of an innovative solution for extending the lifespan of large industrial equipment at least a 20%, increasing the return on investment from major machinery. The partner sought is a (big, European) industry that uses large industrial equipment and its role in the project will be to pilot the developed solution.	RDES20190109001
6	3D scan body parts partner	The Norwegian company needs a partner specialising in 3D scanning with knowledge of scanning body parts in	RDNO20181218002

	needed for Eurostars project.	order to jointly apply for Eurostars grant, Cut off 11 on the 28th of February.  The vision of the company is to supply a complete cost effective, reliable and functional prosthetic arm to users to improve their quality of life.	
7	[EUREKA/Eurostar2] Partners to be sought for collaboration on development of NGS (Next Generation Sequencing)-based Genome Data Processing Hybrid Cloud	A Korean company provides Hybrid Genomics Cloud, which is the optimal cloud computing environment for genomics service. The technology allows to create and run various genome analysis pipelines. It also contains distributed storage, which stores a large amount of genetic data efficiently. Under Eureka/Eurostar2, the company would innovate the existing technology for more applicable on genomic analysis platform with partners, such as genomic researchers or analysts.	RDKR20180830001
8	Italian technical upper secondary school is looking for companies under a research cooperation agreement in Germany, UK and Ireland within an ERASMUS+ project	Italian technical upper secondary school is looking for German, UK and Irish SME under a research cooperation agreement in telecommunications, computer sciences, electronics, electrical engineering, automation, mechanics or chemistry sector to host students for an internship programme.  The school, located in one of the most competitive Lombardy provinces, has been granted the project mobility for vocational education and training in Europe within Erasmus learning mobility for individuals.	RDIT20181219001
9	UK research institute and water company seeking lead	A UK research institute and water company are seeking a lead partner for H2020-SC5-04-2019, Building a water-smart economy and society. The research institute is home to one of the main centres for transdisciplinary water	RDUK20190109001

	partner for water-related Horizon 2020 project	research in Europe and can contribute expertise in working with water industry, economics analyses, circular economy and nature-based solutions. The water company can provide access to demonstration sites in Scotland. A research partnership is envisioned.	
10	SME Instrument Phase II - A Spanish company is looking for partners to implement a pilot around an Internet of Things water device	A Spanish SME is looking for a European company to cooperate in an R&D project aiming at setting a series of demonstrative tests of Internet of Things (IoT) water devices. The proposal will be presented at SME Instrument Phase II call. The partner sought should be a facilitator for the implementation of the technology in several sites. After the project, the company should be interested in license or commercial agreement.	RDES20181105002
11	Eurostars2: The Korean company looking for developing Internet of Things(IOT) security technology	A Korean SME based on IoT security technology that is applicable on web solutions, and the company is planning on improvement of self-contained security solution technologies using artificial intelligence by submitting Eurostar2 proposals under research cooperation agreement.	RDKR20181114003
12	[EUREKA/Eurostars2] Partners are sought for cooperation in research on production for Turbo machinery	A Korean SME specialized in designing and producing of turbo machinery and engine parts seeks a partner for the Korea-Europe Technology Cooperation Workshop. The project is aimed at manufacturing more improved products by cooperating in R&D (Research and Development) under research cooperation agreement.	RDKR20181122001
13	Up-to-date and advanced	A French company specialized in surface and image analysis working on a new updated and advanced version of	TOFR20181218001

	surface imaging, analysis and metrology software for use with profilers and microscopes	its software is looking for licence agreements and commercial agreements with technical assistance with manufacturers of scientific instrumentation (scanning electron microscopes, scanning probe microscopes, profilometers, spectral analyzers etc.) to integrate its image/surface analysis solutions in their equipment. Cooperation with research institutes is also sought.	
14	A Ukrainian institute offering services of microscopy and surface enhanced IR and Raman spectroscopy, is looking for technical, research, and services agreements.	A Ukrainian institute offers vibrational spectroscopy analyses as well as thermal studies with techniques relating to microscopy and spectroscopy. The Institute has extensive experience in working with solid materials, powders, biological objects and liquids. The laboratory offers a wide optical range of investigation from infrared to ultraviolet radiation. The laboratory is interested in technical and research cooperation, as well as service agreements.	TOUA20181211001
15	Flat and volumetric mirrored modules on the basis SMD and COB LEDs for high-performance LED retrofit bulbs	A Ukrainian company, one of the leading companies in the Ukrainian market of LED technology, is working on creating LED modules for retrofit lamps with improved thermal performance and light output suitable for both surface mount technology LED (SMD) and «Chip on board» (COB) and «Chip On Flex». These technologies allow realising flexible-rigid high-performance LED modules with three-dimensional arrangement on a foil polyimide board.	TOUA20181213002
16	Smart-system for the control and management of complex energy facilities and networks	An IT company from Ukraine offers a new Smart-system of innovative transformation of electric networks and intelligent technologies for power consumption optimization and energy saving. The advantages of the proposed system: using of new information technologies in the energy sector; new opportunities of innovation and investment transformation of power supply systems; low cost and ease of use. The company is looking for	TOUA20181221001

		subcontracting or outsourcing agreements.	
17	Innovative platform backed by Blockchain technology for improving the food traceability process	A Spanish technology-based SME has developed a novel platform backed by Blockchain technology for improving food traceability process. This platform makes possible that agrofood key players (retailers, distributors, producers, restaurants) can record data as well as any transformation and outputs of their products. The SME is interested in getting in contact with final users in the fields of agriculture and food management for commercial agreements with technical assistance.	TOES20181120001
18	Greek inventor offers wind turbine system with innovative blade design	A Greek inventor offers a new wind turbine. The innovation of this turbine is the unique blade design which allows to avoid the traditional blades and the technical limits that they produce. The new design is effective, reliable (two prototypes are in operation for many years) and easy to be produced. The inventor is looking for companies for licence agreement.	TOGR20181227001
19	Non-Powered Air Time Control Module	A Korean company has studied for innovative changes in bathroom, especially toilet for twenty years. Toilet should be flushed down when levers are pressed, and the company found out that it is not hygienic and convenient, so they have come up with the idea of modules that flushes down the water automatically without physical touch. Also, the modules are performed with no aid of power and electricity. The company is open to license and commercial agreement with technical assistance.	TOKR20180518001
20	A gesture interface to replace mouse and keyboard in dentistry and surgery applications	A small Italian software and consultancy company, operating since 1991 particularly in the health sector, has prototyped a low-cost gesture recognition interface using available webcams to replace mouse and keyboard in aseptic environments, e.g. dentistry or surgery. The company is interested in commercial agreements with technical assistance to integrate the solution in existing health applications and in technical or R&D agreements	TOIT20181211001



		for further improvements or extensions to other sectors.	
21	Powerful 3D microstructure simulation suite made for analysing metallic materials behaviour	A German university spin off offers a suite to simulate the microstructure of metallic material processes. It does not only provide common materials data such as stress-strain diagrams and composition maps without the need for extensive experiments, but it provides 3D data on all simulated quantities which can lead to new insights into materials development. Partnerships considered are on a technical cooperation and research cooperation basis.	TODE20180913001
22	Electronic product design and development for new applications	Croatian SME specialized in electronic product design is providing hardware and software development at one place. They are looking for partners whom they can offer their expertise in development and production of electronic products and applications in form of Technical cooperation agreement and Services agreement.	TOHR20180924001
23	Romanian start-up is offering a comprehensive solution for personalized services in the hotel industry	The Romanian-based IT startup has developed a mobile platform dedicated to offering personalized hotel services and offers for guests worldwide. The startup is looking for partners interested in implementing a personalized guest request management solution via commercial agreement with technical assistance or services agreement.	TORO20181231001
24	Innovative connected gauge looking for Internet of Things partners	A French start-up company has developed and patented a gauge used in fuel tanks which is connected to a web platform allowing new services for an optimisation of logistics and customer relationship management. It is helping fuel/liquids suppliers or collectors to improve their business model by offering new services. In order to expand in Europe, it is now looking for partners in the field fuel/liquids distribution for a commercial agreement with technical support	TOFR20181203001
25	An Italian researcher is	An Italian private researcher designed and patented an innovative system to optimize the use of gas turbine to	TOIT20190108001

	looking for industrial or public research partners to develop an innovative system for the simultaneous production of electricity, hydrogen and oxygen	produce electricity, or pure hydrogen and oxygen. The researcher is looking for companies active in gas turbine production or hydrogen and oxygen production, interested in testing and engineering the innovation under manufacturing agreement or for research centers specialized in energy efficiency willing to further test and develop the idea under a research cooperation agreement.	
26	An hybrid geomagnetic indoor localization solution under license and commercial agreements with technical assistance	An Italian technology startup operating in the indoor localization and navigation technology provides a powerful hybrid geomagnetic indoor localization solution. This technology is efficient, inexpensive and reliable and it is able to overcome the tradeoff between precision and cost of infrastructure setup and maintenance, imposed by technologies currently available on the market. They are looking for cooperation under license and commercial agreement with technical assistance.	TOIT20181214001
27	Solid-state, calibration-free pH sensor to be retrofitted into glass electrodes, or to be developed into new products for water monitoring and oceanography	A UK startup has developed and is testing in field trials calibration-free pH sensors. This opens up new applications where networked sensors work autonomously over a long period, on a water network or in an ocean. Manufacturers of glass electrodes are sought who are interested in licensing the technology for calibration-free solutions. Also, developers of transducers and sondes, to jointly develop new products under technical and manufacturing co-operation.	TOUK20190104001
28	Offline communication system exchange for	An Italian startup has developed a new proximity communication system and app that allows clients to manage communications, have interactive visit experiences, or exchange private messaging and offline communications	TOIT20181210001

	proximity interactions	(including in emergency cases), through Bluetooth Low Energy to connect with other devices (nodes), in the surroundings. The startup is open to technical cooperation agreements with private or public partners or research agreements for adapting the tool to specific needs.	
29	Enabling smarter logistics - customised online shop systems for freight forwarders and shipping companies	German SME offers an online logistics shop system for sales of sea, land and air freight to forwarding companies that want to become competitive in the digital landscape. It digitises all core processes of logistics sales and can be integrated into the web presence of the forwarding company, customised to specific needs and design and integrated with back-office ICT-systems. Commercial agreements with technical assistance are offered for customised development, implementation and hosting.	TODE20181101001
30	Artificial intelligence, biometric technologies, algorithms	Lithuanian IT company specializing in artificial intelligence and deep neural network applications development is seeking for partners. The company concerns on deep learning and triggered an entire range of new projects in object recognition and other applications. The company has successfully tested and implemented developed technologies mainly working as part of governmental projects. They are currently seeking partners for joint venture and/or commercial agreements with technical assistance.	TOLT20181122001
31	Novel electrode mass of zinc electrode for alkaline rechargeable batteries	A Bulgarian research institute with more than 50 years of experience in electrochemistry and energy systems has developed an innovative electrode mass of zinc electrode applicable for alkaline rechargeable batteries. The institute is looking for commercial agreements with technical assistance with interested companies for the implementation of the innovation.	TOBG20180911006
32	Magnetic method for	A Bulgarian research institute has developed an innovative magnetic method for estimation of soil erosion and	TOBG20181116001

	estimation of soil erosion and re-distribution	redistribution. The new methodology proposed overcomes the limitations and drawbacks of the conventional techniques and complements them. The research team is looking for commercial agreement with technical assistance, services agreement or research cooperation agreement.	
33	Innovative precise tester of batteries	A Bulgarian research institute, with more than 40 years of experience in R&D of specialised technologies and products for the aerospace industry and advanced materials industry has developed a precise tester for battery and accumulator tests with capacity up to 100 milliamperes per hour (mA/h). The institute seeks commercial agreements with technical assistance with battery developer companies.	TOBG20181221002
34	Waterproof light-emitting diode (LED) lamps applicable for heavy duty industrial conditions.	A Bulgarian company with more than 12 years of experience in the R&D of light-emitting diode (LED) products and technologies has developed innovative lamps intended for heavy duty applications. They can operate in harsh conditions and have integrated thermal, bypass and over-voltage protection, long lifespan and high luminosity. The company seeks commercial agreements with technical assistance with companies in the lighting sector, interested in the implementation of this product.	TOBG20181221003
35	Rapid deposition of carbon nanowalls (almost 1 $\mu\text{m/s}$ ) for fuel cells and batteries	A Slovenian research institute offers a method for rapid deposition of uniformly distributed and vertically oriented carbon nanowalls (CNW). The method provides industrially relevant deposition rates of the carbon nanowalls, synthesis is highly controllable and scalable to large surfaces. Companies from the field of fuel cells, photovoltaic devices, lithium ion batteries and sensors of specific gaseous molecules are sought for license agreement.	TOSI20181210001
36	Collaborative platform for the integrated management	A Spanish technology center has developed a collaborative platform that allows improving efficiency up to 70% (versus common solutions), the production processes, in particular supplier homologation and technical product	TOES20181213001

	of product information and food value chain interoperability	specification. The platform allows the digitalization and integration of all company's processes following specific standards. The center offers licence agreements for the parameterization and implementation of the solution in food companies to improve information management.	
37	Fall prevention technological framework to enable active ageing and rehabilitation in elderly communities.	A Portuguese research and technology organization has developed multiple technological solutions that can be combined to cover different and individually tailored scenarios targeting fall prevention. The components consist of a hardware for sensor communication, movement evaluation, gamified fall prevention exercises, prescriptions and user profile management. Industrial partners are sought for commercial exploitation and/or licensing. R&D cooperation to improve the system.	TOPT20180911001
38	Seeking partners for a machine that observes the visibility distance with deep learning and scientific method of data analysis by applying artificial intelligence technology	A Korean SME is a laboratory company established in 2016 to develop effective environment industrial measurements. They developed the optical visibility meter with KRISS (Korea Research Institute of Standard and Science) in 2015. The company is open to commercial agreement with technical assistance for their advanced technology to be applied on the existing visibility meter.	TOKR20180727001
39	Plasma sensor	A German university offers a planar plasma sensor with a stacked structure for measuring plasma parameters. It can be used in most industrial plasma processes with only minimal influence on the plasma. It can be installed in existing systems. Industrial licensees with an interest in further development are sought.	TODE20190108001
40	Italian software	This Italian software development company, founded in 2004, is specialized in advanced mission analysis. The	TOIT20180418002

	development company, focused on Earth observation, is looking for commercial agreement with technical assistance	company has experience in planning and in simulating tools for space applications, with particular focus in Earth Observation.  They are seeking potential partners for commercial agreement with technical assistance.	
41	Statistical modelling to predict events based on georeferenced data	A Spanish university has developed a technology for modeling complex phenomena and predicting their behavior with the aim of making important decisions. It allows the utilization of large amounts of georeferenced data that could not be used until now due to the difficulty of processing them with conventional techniques. Researchers are seeking partners to reach commercial agreements with technical assistance or develop R&D projects.	TOES20181210001
42	Calculation and satellite imagery tools for crop production management	A SME from Northern Italy is developing innovative tools for resource management in agriculture through satellite data, by:  developing of calculation tools for nutrient balance into crops management; design of database for the storage of farms management data; developing and validation of prescription maps and crops monitoring tools from satellite imagery.  Partners are sought for research, technical or commercial cooperation with technical assistance; interested also in finding investors	TOIT20180412001
43	Offering advanced Platinum thin-film temperature sensor elements for highly-	An innovative German SME specialized in advanced ceramic sensor technologies offers a wide range of highly-accurate, highly-sensitive, selective and stable temperature sensor elements based on a ceramic Platinum thin-film Technology which can be used for automotive, energy, safety, building and home applications. Looking for	TODE20181212001

	accurate and reliable temperature measurement in automotive, energy, safety, building, life science and home applications.	industrial companies with interest in application and distribution of the very reliable temperature sensor elements for commercial agreements with technical assistance.	
44	Patented equipment for control and positioning of axes in numerical control machines	An Italian company operating in the field of industrial engineering, is offering a new patented apparatus and equipment for the resetting and positioning of the axes of numerical control machines. It provides for safety, reliability and efficiency in mechatronic systems. The company is interested in establishing partnerships with advanced machinery manufacturing companies for licensing agreements.	TOIT20181210002
45	A Lithuanian company is looking for a tank walls thickness monitoring technique and seeks for licence agreement or technological support	A Lithuanian company which is developing engineering systems and prototypes seeks for license agreement or technological support for monitoring the walls thickness of tanks made from glass reinforced plastics. The company is looking for a technological cooperation or license agreement with a company supplying or commonly developing a hand held system for the monitoring of the thickness of wastewater tanks wall.	TRLT20181210001
46	Spanish industrial company is looking for smart technologies for the digitalization and energy efficiency	A Catalan construction & engineering company is launching a challenge to collaborate with disruptive start-ups providing solutions in 2 main areas: digitalization of construction and improvement in facility service management. They are looking for solutions based on artificial intelligence, augmented/virtual reality, big data, building information modelling, cloud computing, computer vision, internet of things or robotics. They are interested in a license or a technical cooperation agreement.	TRES20181217001

47	Manufacturer of molybden mesh for microfocus X-ray tube	A Swedish SME has developed a new type of X-ray tubes and is now looking for a manufacturer of small high precision components to produce a grid consisting of a mesh (about 6 mm in diameter) and a copper holder. The X-ray tube provides a precise, stable, high-flux micro focus beam using ZnO cold cathode technology. The company has a partner for prototype production, but wants to establish a partnership and an agreement with a manufacturer in Europe to scale-up the production.	TRSE20181213001
48	A Dutch multinational is looking for innovative sensing solutions to help their demanding chemical processes to be 100% resource efficient.	A Dutch company is a major producer of speciality chemicals, supplying essential ingredients worldwide. To improve their productivity, the company needs a complete understanding of the processes. To achieve this, they need innovative sensors which continuously monitor the chemistry in each process as well as the behaviour of the factory equipment. They are seeking companies or universities to foster and co-develop new technologies via research or technical cooperation agreement.	TRNL20181220001
49	Virtual screening technology based on deep learning using big data	A Korean pharmaceutical company is active in research and development of new drugs based on natural products and orphan disease through virtual screening technology on the basis of AI. The technology that the company wants to develop by cooperation is virtual screening technology based on deep learning using big data. The type of partnership is commercial agreement with technical assistance.	TRKR20181107001



## 2. Informes y Publicaciones

Informe “Fourth Industrial Revolution: Beacons of Technology and Innovation in Manufacturing” (World Economic Forum)  
<https://www.weforum.org/whitepapers/fourth-industrial-revolution-beacons-of-technology-and-innovation-in-manufacturing>

World Development Report 2019. The Changing Nature of Work (Banco Mundial)  
<http://www.worldbank.org/en/publication/wdr2019>

Informe “Artificial Intelligence: A European perspective” (Comisión Europea)  
<https://ec.europa.eu/jrc/en/artificial-intelligence-european-perspective>

Informe “The State of Digital Transformation. 2018-2019 edition” (Altimeter, Prophet)  
<http://insights.prophet.com/the-state-of-digital-transformation-2018-2019>

Informe “4 formas en que IoT está transformando el sector Retail” (Omnitel Comunicaciones)  
<https://omnitel.es/descargables/4-formas-en-que-iot-esta-transformando-el-sector-retail/>

Informe “The Next Decade in Quantum Computing – and How to Play” (BCG)  
<https://www.bcg.com/en-nl/publications/2018/next-decade-quantum-computing-how-play.aspx>

Informe “Artificial Intelligence and the Future of Humans” (Pew Research Center)  
<http://www.pewinternet.org/2018/12/10/artificial-intelligence-and-the-future-of-humans/>

Informes “2018 Mobile Industry Impact Report: Sustainable Development Goals”

<https://www.gsma.com/newsroom/press-release/mobile-industry-accelerating-delivery-of-sustainable-development-goals/>

Informes “Technology and Innovation Report 2018” y “UNCTAD B2C e-commerce index 2018” (UNCTAD)

<https://unctad.org/en/pages/PublicationWebflyer.aspx?publicationid=2110>

<https://unctad.org/en/pages/PressRelease.aspx?OriginalVersionID=494>

Informe “Future of automotive mobility – reloaded. How end-customer perspective has developed on key mobility trends in the last 3 years” (Arthur D. Little)

<http://www.adlittle.com/en/insights/viewpoints/future-automotive-mobility-%E2%80%93-reloaded>

Informes “Artificial intelligence, real benefits” y “Draft Ethics guidelines for trustworthy AI” (Comisión Europea)

<https://ec.europa.eu/digital-single-market/en/news/artificial-intelligence-real-benefits>

<https://ec.europa.eu/digital-single-market/en/news/draft-ethics-guidelines-trustworthy-ai>

Informe Anual del Sector TIC y de los Contenidos en España 2018 (ONTSI)

<https://www.ontsi.red.es/ontsi/es/content/informe-anual-del-sector-tic-y-de-los-contenidos-en-espa%C3%B1a-2018>

Informe “Top Tendencias Digitales 2019” (IAB Spain)

<https://iabspain.es/iab-spain-presenta-las-tendencias-digitales-de-2019/>

Informe “Building the retail superstars: How unleashing AI across functions offers a multi-billion dollar opportunity” (Capgemini Research Institute)

<https://www.capgemini.com/es-es/news/informe-sobre-inteligencia-artificial-en-el-sector-retail/>

Informe “Prioritisation and precision: How artificial intelligence and design thinking will transform technology production” (The Economist Intelligence Unit – EIU y HONOR)

[https://eiuperspectives.economist.com/technology-innovation/prioritisation-and-precision-how-artificial-intelligence-and-design-thinking-will-transform?utm\\_campaign=EP2018%20-%20Email%2050%20-%20NEW%20-%20HTML%20-%2014122018&utm\\_medium=email&utm\\_source=Eloqua&elqTrackId=d1a18acd8a754d61b218bfb0ac353c9b&elq=a89b67f8a9114efd845037323729770a&elqaid=20124&elqat=1&elqCampaignId=8244](https://eiuperspectives.economist.com/technology-innovation/prioritisation-and-precision-how-artificial-intelligence-and-design-thinking-will-transform?utm_campaign=EP2018%20-%20Email%2050%20-%20NEW%20-%20HTML%20-%2014122018&utm_medium=email&utm_source=Eloqua&elqTrackId=d1a18acd8a754d61b218bfb0ac353c9b&elq=a89b67f8a9114efd845037323729770a&elqaid=20124&elqat=1&elqCampaignId=8244)

Informe “Our Shared Digital Future Building an Inclusive, Trustworthy and Sustainable Digital Society” (World Economic Forum)

<https://www.weforum.org/reports/our-shared-digital-future-building-an-inclusive-trustworthy-and-sustainable-digital-society>

Informe “The digital supply chain’s missing link: focus” (Capgemini Research Institute)

<https://www.capgemini.com/es-es/news/informe-cadena-de-suministro-digital/>

Informe “Will 5G remake the world, or just make it a little faster? That may depend on telecommunications companies” (Deloitte Center for Technology, Media & Telecommunications)

<https://www2.deloitte.com/global/en/pages/technology-media-and-telecommunications/articles/will-5g-remake-the-world-or-make-it-faster.html>

Informe “10 Hot Consumer Trends 2019” (Ericsson ConsumerLab)

<https://www.ericsson.com/en/press-releases/2018/12/ericsson-releases-its-10-hot-consumer-trends-for-2019>

Informe “Technology, Media & Telecommunications Predictions 2019” (Deloitte Insights)

<https://www2.deloitte.com/global/en/pages/about-deloitte/press-releases/deloitte-global-tmt-predictions-2019.html>

Informe “Measuring the Information Society Report 2018” (UIT)

<https://www.itu.int/en/ITU-D/Statistics/Documents/publications/misr2018/MISR2018-ES-PDF-E.pdf>

Informe “Future Systems. Thriving in a world of constant change” (Accenture)

<https://newsroom.accenture.com/news/future-systems-tomorrows-intelligent-enterprise-will-be-built-on-interconnected-systems-of-technologies-applications-and-people-finds-new-accenture-report.htm>

2019 Technology Predictions Report. Trends & innovations shaping the global tech sector” (GP Bullhound)

<https://www.gpbullhound.com/news/gp-bullhound-releases-2019-technology-predictions-report/>

Informe “Women in Digital scoreboard 2018” (Comisión Europea)

[http://europa.eu/rapid/press-release\\_IP-18-6741\\_en.htm](http://europa.eu/rapid/press-release_IP-18-6741_en.htm)

### 3. Eventos

#### **Transferencia de Tecnología (CESEAND-EEN y Agencia Andaluza del Conocimiento)**

Calendario en constante actualización.

A continuación se muestran eventos de networking internacionales extraídos del siguiente enlace:

<http://een.ec.europa.eu/tools/services/EVE/Event/ListEvents?nolayout=true>

Pregúntenos por algún evento que sea de su interés si no está en la tabla. Se recogen acciones relacionadas con el sector TIC de carácter transnacional.

Igualmente, si está interesado en más información o participar en alguno, por favor, contacte con nosotros antes de dar cualquier paso:

## Future Events Enterprise Europe Network

Title	Type	Start Date	End Date	Country	City
Business meetings during Biogaz Europe - Bois Energie - ReGen Europe	Brokerage Event	30-ene-2019	31-ene-2019	France	Rennes
Brokerage Event on Key Enabling Technologies for industrial applications	Brokerage Event	31-ene-2019	31-ene-2019	Italy	Venice - Mestre
rev3days international bookerage event - Lille - 5 & 6 February 2019	Brokerage Event	05-feb-2019	06-feb-2019	France	Lille
XIV International water and irrigation exhibition. SMAGUA 2019 - Brokerage Event	Brokerage Event	05-feb-2019	06-feb-2019	Spain	Zaragoza

CONTACT - Business Meetings	Brokerage Event	06-feb-2019	06-feb-2019	Germany	Leipzig
Up Your Game: Global Creative Industries Matchmaking Event	Brokerage Event	07-feb-2019	08-feb-2019	United Kingdom	Bradford
Multisectoral brokerage event at Transfiere 2019	Brokerage Event	13-feb-2019	14-feb-2019	Spain	Málaga
Matchmaking event during the construction fair BATIBOUW 2019	Brokerage Event	21-feb-2019	22-feb-2019	Belgium	Brussels
<b>B2B meetings at Mobile World Congress 2019</b>	<b>Brokerage Event</b>	<b>26-feb-2019</b>	<b>28-feb-2019</b>	<b>Spain</b>	<b>BARCELONA</b>
Futurebuild Matchmaking 2019 (Previously Ecobuild)	Brokerage Event	06-mar-2019	06-mar-2019	United Kingdom	London
Brokerage event for Industry 4.0 @ Global Industrie in	Brokerage Event	06-mar-2019	07-mar-2019	France	Lyon

Lyon, France

Partnering at the European Integrated Plant Engineering Conference (IPEC) 2019 on “edge analytics“

Brokerage  
Event

12-mar-  
2019 13-mar-  
2019

Germany

Nürnberg

5th International B2B Software Days 2019 - The Future of Digital Business

Brokerage  
Event

14-mar-  
2019 15-mar-  
2019

Austria

Vienna

Brokerage Event @ World of Industries (WIN) 2019, 360° Manufacturing Industry Exhibition and Conferences

Brokerage  
Event

15-mar-  
2019 16-mar-  
2019

Turkey

Istanbul

Budgryf & Home - a matchmaking for construction, energy and interior decoration sector

Brokerage  
Event

15-mar-  
2019 15-mar-  
2019

Poland

Szczecin

DroneDays brokerage event, 4th edition	Brokerage Event	15-mar- 2019	16-mar- 2019	Belgium	Brussels
Brokerage Event in the framework of the International Fair of Metal Processing STOM 2019	Brokerage Event	27-mar- 2019	27-mar- 2019	Poland	Kielce
B2B meetings at DATE 2019 in Florence	Brokerage Event	29-mar- 2019	29-mar- 2019	Italy	Florence
EEN Brokerage Event during Hannover Messe 2019	Brokerage Event	01-abr- 2019	05-abr- 2019	Germany	Hannover
EEN Brokerage Event during HANNOVER MESSE 2019 "Technology & Business Cooperation Days"	Brokerage Event	01-abr- 2019	04-abr- 2019	Germany	Hannover
Cross-industry innovation forum 2019 (Sustainable construction, manufacturing,	Brokerage Event	12-may- 2019	12-may- 2019	Italy	Bolzano



industrial service robotics)

Murcia Food Brokerage Event 2019	Brokerage Event	14-may-2019	15-may-2019	Spain	Murcia
Enterprise Europe Network Brokerage Event at ICT Spring 2019 from 21 to 22 April 2019 in Luxembourg	Brokerage Event	21-may-2019	22-may-2019	Luxembourg	Luxembourg
EuroSphere - the European Art of Living Exhibition in Vietnam, 24-26 May 2019	Brokerage Event	24-may-2019	26-may-2019	Vietnam	Ho Chi Minh City
Autonomous Vehicles Summit Matching	Brokerage Event	30-may-2019	31-may-2019	Slovakia	Bratislava
B2B meetings at EMO Hanover 2019	Brokerage Event	16-sep-2019	20-sep-2019	Germany	Hanover

**Si estás interesado en ampliar información de este evento o de alguno de los perfiles de cooperación debes contactar con:**

Boletín CESEAND nº172  
Sector TIC y Seguridad



## Partnering Opportunity

Business Support on Your Desktop

### **Jaime Durán - Agencia Andaluza del Conocimiento**

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## Research & Development Request

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# H2020 LC-GV-03-2019 Public or private entity sought for developing an urban lab to test and deploy Electric Vehicles

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### Summary

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*A Spanish company is seeking a public or private entity responsible for developing and implementing policies to support the accelerated deployment of recharging infrastructure for Electric Vehicles (EV) for the H2020 call LC-GV-03-2019. The project aims at removing barriers to large-scale uptake of e-mobility and set up the right conditions for a wide availability of charging points and for improving the conditions for a broad market acceptance in the electrification of transport.*

**Expiration Date** 28 February 2019  
**Reference** RDES20181128001

### Network Contact

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## Research & Development Request

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### **H2020 DT-NMBP-19-2019 - Consultancy company sought with proven experience in regulation, certification and standardisation of nanomaterials**

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#### **Summary**

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*A Spanish research centre is seeking a consultancy company with proven experience in regulation, certification and standardisation of nanomaterials for the H2020 topic DT-NMBP-19-2019. Knowledge of additive manufacturing, nanomaterials and energy will be appreciated. The main goal of the project is to optimize the 3D printing process of multi-ceramic nanomaterials for fabricating high-performing functional devices with the required level of customization.*

**Expiration Date**      31 March 2019  
**Reference**              RDES20181129001

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#### **Network Contact**

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## Research & Development Request

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### **Eurostars: SME coordinator with expertise in sleep medical devices and/or mobile application development sought**

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#### **Summary**

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*A Swiss university together with a Swiss sleep centre is preparing a Eurostars proposal. The aim is to develop a smart platform to assess, monitor and promote a good sleep hygiene. Particular attention is on people suffering from insomnia or other sleep disorders. An R&D performing SME project coordinator already involved in the EU medical market is sought for a research cooperation. The coordinator should have the capacity and be interested to commercialize the technology.*

**Expiration Date**      25 January 2019  
**Reference**              RDCH20190108001

#### **Network Contact**

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## Research & Development Request

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**[Eurostars2] The consortium from South Korea is preparing the proposal in the field of Real-time Binaural Sound technology to improve sleep disorders and looking for hardware and software expert**

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### Summary

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*A Korean company is seeking partners to collaborate by submitting Eurostar2 project proposal. The company's project is real-time binaural sound technology, and they are now focusing on the sleep aid device and its service and wish to find partners under research cooperation agreement.*

**Expiration Date** 14 August 2019  
**Reference** RDKR20181114002

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## Research & Development Request

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**H2020: Looking for European industries using large industrial equipment (>150kW of power) from these sectors: chemical and petrochemical, machinery production, paper and pulp, food, metal, textile, electric power generation, water treatment, cement**

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### Summary

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*A Spanish research centre is preparing a proposal for the call H2020 DT-FoF-06-2019 aimed to develop, test, demonstrate and market uptake of an innovative solution for extending the lifespan of large industrial equipment at least a 20%, increasing the return on investment from major machinery. The partner sought is a (big, European) industry that uses large industrial equipment and its role in the project will be to pilot the developed solution.*

**Expiration Date**      25 January 2019  
**Reference**              RDES20190109001

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### Network Contact

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## Research & Development Request

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### 3D scan body parts partner needed for Eurostars project.

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#### Summary

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*The Norwegian company needs a partner specialising in 3D scanning with knowledge of scanning body parts in order to jointly apply for Eurostars grant, Cut off 11 on the 28th of February. The vision of the company is to supply a complete cost effective, reliable and functional prosthetic arm to users to improve their quality of life.*

**Expiration Date**      31 January 2019  
**Reference**              RDNO20181218002

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## Research & Development Request

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# [EUREKA/Eurostar2] Partners to be sought for collaboration on development of NGS (Next Generation Sequencing)-based Genome Data Processing Hybrid Cloud

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### Summary

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*A Korean company provides Hybrid Genomics Cloud, which is the optimal cloud computing environment for genomics service. The technology allows to create and run various genome analysis pipelines. It also contains distributed storage, which stores a large amount of genetic data efficiently. Under Eureka/Eurostar2, the company would innovate the existing technology for more applicable on genomic analysis platform with partners, such as genomic researchers or analysts.*

**Expiration Date**      14 August 2019  
**Reference**              RDKR20180830001

### Network Contact

---

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## Research & Development Request

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### **Italian technical upper secondary school is looking for companies under a research cooperation agreement in Germany, UK and Ireland within an ERASMUS+ project**

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#### **Summary**

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*Italian technical upper secondary school is looking for German, UK and Irish SME under a research cooperation agreement in telecommunications, computer sciences, electronics, electrical engineering, automation, mechanics or chemistry sector to host students for an internship programme. The school, located in one of the most competitive Lombardy provinces, has been granted the project mobility for vocational education and training in Europe within Erasmus learning mobility for individuals.*

**Expiration Date**      01 April 2019  
**Reference**              RDIT20181219001

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## Research & Development Request

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### **UK research institute and water company seeking lead partner for water-related Horizon 2020 project**

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#### **Summary**

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*A UK research institute and water company are seeking a lead partner for H2020-SC5-04-2019, Building a water-smart economy and society. The research institute is home to one of the main centres for transdisciplinary water research in Europe and can contribute expertise in working with water industry, economics analyses, circular economy and nature-based solutions. The water company can provide access to demonstration sites in Scotland. A research partnership is envisioned.*

**Expiration Date**      15 February 2019  
**Reference**              RDUK20190109001

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#### **Network Contact**

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## Research & Development Request

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### **SME Instrument Phase II - A Spanish company is looking for partners to implement a pilot around an Internet of Things water device**

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#### **Summary**

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*A Spanish SME is looking for a European company to cooperate in an R&D project aiming at setting a series of demonstrative tests of Internet of Things (IoT) water devices. The proposal will be presented at SME Instrument Phase II call. The partner sought should be a facilitator for the implementation of the technology in several sites. After the project, the company should be interested in license or commercial agreement.*

**Expiration Date**      01 March 2019  
**Reference**              RDES20181105002

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#### **Network Contact**

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## Research & Development Request

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### **Eurostars2: The Korean company looking for developing Internet of Things(IOT) security technology**

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#### **Summary**

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*A Korean SME based on IoT security technology that is applicable on web solutions, and the company is planning on improvement of self-contained security solution technologies using artificial intelligence by submitting Eurostar2 proposals under research cooperation agreement.*

**Expiration Date**      14 August 2019  
**Reference**              RDKR20181114003

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#### **Network Contact**

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## Research & Development Request

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# [EUREKA/Eurostars2] Partners are sought for cooperation in research on production for Turbo machinery

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### Summary

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*A Korean SME specialized in designing and producing of turbo machinery and engine parts seeks a partner for the Korea-Europe Technology Cooperation Workshop. The project is aimed at manufacturing more improved products by cooperating in R&D (Research and Development) under research cooperation agreement.*

**Expiration Date**      14 August 2019  
**Reference**              RDKR20181122001

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## Technology Offer

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# Up-to-date and advanced surface imaging, analysis and metrology software for use with profilers and microscopes

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### Summary

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*A French company specialized in surface and image analysis working on a new updated and advanced version of its software is looking for licence agreements and commercial agreements with technical assistance with manufacturers of scientific instrumentation (scanning electron microscopes, scanning probe microscopes, profilometers, spectral analyzers etc.) to integrate its image/surface analysis solutions in their equipment. Cooperation with research institutes is also sought.*

**Reference** TOFR20181218001

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## Technology Offer

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**A Ukrainian institute offering services of microscopy and surface enhanced IR and Raman spectroscopy, is looking for technical, research, and services agreements.**

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### Summary

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*A Ukrainian institute offers vibrational spectroscopy analyses as well as thermal studies with techniques relating to microscopy and spectroscopy. The Institute has extensive experience in working with solid materials, powders, biological objects and liquids. The laboratory offers a wide optical range of investigation from infrared to ultraviolet radiation. The laboratory is interested in technical and research cooperation, as well as service agreements.*

Reference                      TOUA20181211001

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## Technology Offer

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# Flat and volumetric mirrored modules on the basis SMD and COB LEDs for high-performance LED retrofit bulbs

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### Summary

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*A Ukrainian company, one of the leading companies in the Ukrainian market of LED technology, is working on creating LED modules for retrofit lamps with improved thermal performance and light output suitable for both surface mount technology LED (SMD) and «Chip on board» (COB) and «Chip On Flex». These technologies allow realising flexible-rigid high-performance LED modules with three-dimensional arrangement on a foil polyimide board.*

**Reference**                      TOUA20181213002

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## Technology Offer

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# Smart-system for the control and management of complex energy facilities and networks

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### Summary

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*An IT company from Ukraine offers a new Smart-system of innovative transformation of electric networks and intelligent technologies for power consumption optimization and energy saving. The advantages of the proposed system: using of new information technologies in the energy sector; new opportunities of innovation and investment transformation of power supply systems; low cost and ease of use. The company is looking for subcontracting or outsourcing agreements.*

**Reference**                      TOUA20181221001

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## Technology Offer

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# Innovative platform backed by Blockchain technology for improving the food traceability process

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## Summary

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*A Spanish technology-based SME has developed a novel platform backed by Blockchain technology for improving food traceability process. This platform makes possible that agrofood key players (retailers, distributors, producers, restaurants) can record data as well as any transformation and outputs of their products. The SME is interested in getting in contact with final users in the fields of agriculture and food management for commercial agreements with technical assistance.*

**Reference** TOES20181120001

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## Technology Offer

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### **Greek inventor offers wind turbine system with innovative blade design**

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#### **Summary**

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*A Greek inventor offers a new wind turbine. The innovation of this turbine is the unique blade design which allows to avoid the traditional blades and the technical limits that they produce. The new design is effective, reliable (two prototypes are in operation for many years) and easy to be produced. The inventor is looking for companies for licence agreement.*

**Reference** TOGR20181227001

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## Technology Offer

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### Non-Powered Air Time Control Module

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#### Summary

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*A Korean company has studied for innovative changes in bathroom, especially toilet for twenty years. Toilet should be flushed down when levers are pressed, and the company found out that it is not hygienic and convenient, so they have come up with the idea of modules that flushes down the water automatically without physical touch. Also, the modules are performed with no aid of power and electricity. The company is open to license and commercial agreement with technical assistance.*

**Reference** TOKR20180518001

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## Technology Offer

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# A gesture interface to replace mouse and keyboard in dentistry and surgery applications

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### Summary

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*A small Italian software and consultancy company, operating since 1991 particularly in the health sector, has prototyped a low-cost gesture recognition interface using available webcams to replace mouse and keyboard in aseptic environments, e.g. dentistry or surgery. The company is interested in commercial agreements with technical assistance to integrate the solution in existing health applications and in technical or R&D agreements for further improvements or extensions to other sectors.*

**Reference** TOIT20181211001

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## Technology Offer

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# Powerful 3D microstructure simulation suite made for analysing metallic materials behaviour

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### Summary

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*A German university spin off offers a suite to simulate the microstructure of metallic material processes. It does not only provide common materials data such as stress-strain diagrams and composition maps without the need for extensive experiments, but it provides 3D data on all simulated quantities which can lead to new insights into materials development. Partnerships considered are on a technical cooperation and research cooperation basis.*

**Reference**                      TODE20180913001

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## Technology Offer

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# Electronic product design and development for new applications

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### Summary

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*Croatian SME specialized in electronic product design is providing hardware and software development at one place. They are looking for partners whom they can offer their expertise in development and production of electronic products and applications in form of Technical cooperation agreement and Services agreement.*

**Reference** TOHR20180924001

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## Technology Offer

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### **Romanian start-up is offering a comprehensive solution for personalized services in the hotel industry**

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#### **Summary**

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*The Romanian-based IT startup has developed a mobile platform dedicated to offering personalized hotel services and offers for guests worldwide. The startup is looking for partners interested in implementing a personalized guest request management solution via commercial agreement with technical assistance or services agreement.*

**Reference** TORO20181231001

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## Technology Offer

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# Innovative connected gauge looking for Internet of Things partners

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### Summary

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*A French start-up company has developed and patented a gauge used in fuel tanks which is connected to a web platform allowing new services for an optimisation of logistics and customer relationship management. It is helping fuel/liquids suppliers or collectors to improve their business model by offering new services. In order to expand in Europe, it is now looking for partners in the field fuel/liquids distribution for a commercial agreement with technical support*

**Reference** TOFR20181203001

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## Technology Offer

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# An Italian researcher is looking for industrial or public research partners to develop an innovative system for the simultaneous production of electricity, hydrogen and oxygen

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### Summary

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*An Italian private researcher designed and patented an innovative system to optimize the use of gas turbine to produce electricity, or pure hydrogen and oxygen. The researcher is looking for companies active in gas turbine production or hydrogen and oxygen production, interested in testing and engineering the innovation under manufacturing agreement or for research centers specialized in energy efficiency willing to further test and develop the idea under a research cooperation agreement.*

**Reference** TOIT20190108001

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## Technology Offer

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# An hybrid geomagnetic indoor localization solution under license and commercial agreements with technical assistance

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### Summary

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*An Italian technology startup operating in the indoor localization and navigation technology provides a powerful hybrid geomagnetic indoor localization solution. This technology is efficient, inexpensive and reliable and it is able to overcome the tradeoff between precision and cost of infrastructure setup and maintenance, imposed by technologies currently available on the market. They are looking for cooperation under license and commercial agreement with technical assistance.*

Reference TOIT20181214001

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## Technology Offer

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### **Solid-state, calibration-free pH sensor to be retrofitted into glass electrodes, or to be developed into new products for water monitoring and oceanography**

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#### **Summary**

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*A UK startup has developed and is testing in field trials calibration-free pH sensors. This opens up new applications where networked sensors work autonomously over a long period, on a water network or in an ocean. Manufacturers of glass electrodes are sought who are interested in licensing the technology for calibration-free solutions. Also, developers of transducers and sondes, to jointly develop new products under technical and manufacturing co-operation.*

**Reference**                      TOUK20190104001

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## Technology Offer

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# Offline communication system exchange for proximity interactions

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## Summary

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*An Italian startup has developed a new proximity communication system and app that allows clients to manage communications, have interactive visit experiences, or exchange private messaging and offline communications (including in emergency cases), through Bluetooth Low Energy to connect with other devices (nodes), in the surroundings. The startup is open to technical cooperation agreements with private or public partners or research agreements for adapting the tool to specific needs.*

**Reference** TOIT20181210001

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## Technology Offer

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# Enabling smarter logistics - customised online shop systems for freight forwarders and shipping companies

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### Summary

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*German SME offers an online logistics shop system for sales of sea, land and air freight to forwarding companies that want to become competitive in the digital landscape. It digitises all core processes of logistics sales and can be integrated into the web presence of the forwarding company, customised to specific needs and design and integrated with back-office ICT-systems. Commercial agreements with technical assistance are offered for customised development, implementation and hosting.*

**Reference**                      TODE20181101001

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## Technology Offer

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# Artificial intelligence, biometric technologies, algorithms

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### Summary

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*Lithuanian IT company specializing in artificial intelligence and deep neural network applications development is seeking for partners. The company concerns on deep learning and triggered an entire range of new projects in object recognition and other applications. The company has successfully tested and implemented developed technologies mainly working as part of governmental projects. They are currently seeking partners for joint venture and/or commercial agreements with technical assistance.*

Reference TOLT20181122001

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## Technology Offer

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# Novel electrode mass of zinc electrode for alkaline rechargeable batteries

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### Summary

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*A Bulgarian research institute with more than 50 years of experience in electrochemistry and energy systems has developed an innovative electrode mass of zinc electrode applicable for alkaline rechargeable batteries. The institute is looking for commercial agreements with technical assistance with interested companies for the implementation of the innovation.*

**Reference** TOBG20180911006

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## Technology Offer

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# Magnetic method for estimation of soil erosion and re-distribution

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### Summary

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*A Bulgarian research institute has developed an innovative magnetic method for estimation of soil erosion and redistribution. The new methodology proposed overcomes the limitations and drawbacks of the conventional techniques and complements them. The research team is looking for commercial agreement with technical assistance, services agreement or research cooperation agreement.*

**Reference** TOBG20181116001

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## Technology Offer

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### Innovative precise tester of batteries

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#### Summary

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*A Bulgarian research institute, with more than 40 years of experience in R&D of specialised technologies and products for the aerospace industry and advanced materials industry has developed a precise tester for battery and accumulator tests with capacity up to 100 milliampères per hour (mA/h). The institute seeks commercial agreements with technical assistance with battery developer companies.*

**Reference** TOBG20181221002

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## Technology Offer

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### **Waterproof light-emitting diode (LED) lamps applicable for heavy duty industrial conditions.**

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#### **Summary**

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*A Bulgarian company with more than 12 years of experience in the R&D of light-emitting diode (LED) products and technologies has developed innovative lamps intended for heavy duty applications. They can operate in harsh conditions and have integrated thermal, bypass and over-voltage protection, long lifespan and high luminosity. The company seeks commercial agreements with technical assistance with companies in the lighting sector, interested in the implementation of this product.*

**Reference** TOBG20181221003

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## Technology Offer

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# Rapid deposition of carbon nanowalls (almost 1 $\mu\text{m/s}$ ) for fuel cells and batteries

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## Summary

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*A Slovenian research institute offers a method for rapid deposition of uniformly distributed and vertically oriented carbon nanowalls (CNW). The method provides industrially relevant deposition rates of the carbon nanowalls, synthesis is highly controllable and scalable to large surfaces. Companies from the field of fuel cells, photovoltaic devices, lithium ion batteries and sensors of specific gaseous molecules are sought for license agreement.*

Reference            TOSI20181210001

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## Technology Offer

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# Collaborative platform for the integrated management of product information and food value chain interoperability

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## Summary

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*A Spanish technology center has developed a collaborative platform that allows improving efficiency up to 70% (versus common solutions), the production processes, in particular supplier homologation and technical product specification. The platform allows the digitalization and integration of all company's processes following specific standards. The center offers licence agreements for the parameterization and implementation of the solution in food companies to improve information management.*

**Reference** TOES20181213001

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## Technology Offer

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### **Fall prevention technological framework to enable active ageing and rehabilitation in elderly communities.**

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#### **Summary**

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*A Portuguese research and technology organization has developed multiple technological solutions that can be combined to cover different and individually tailored scenarios targeting fall prevention. The components consist of a hardware for sensor communication, movement evaluation, gamified fall prevention exercises, prescriptions and user profile management. Industrial partners are sought for commercial exploitation and/or licensing. R&D cooperation to improve the system.*

**Reference** TOPT20180911001

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## Technology Offer

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# Seeking partners for a machine that observes the visibility distance with deep learning and scientific method of data analysis by applying artificial intelligence technology

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### Summary

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*A Korean SME is a laboratory company established in 2016 to develop effective environment industrial measurements. They developed the optical visibility meter with KRISS (Korea Research Institute of Standard and Science) in 2015. The company is open to commercial agreement with technical assistance for their advanced technology to be applied on the existing visibility meter.*

**Reference** TOKR20180727001

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### Network Contact

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## Technology Offer

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### Plasma sensor

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#### Summary

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*A German university offers a planar plasma sensor with a stacked structure for measuring plasma parameters. It can be used in most industrial plasma processes with only minimal influence on the plasma. It can be installed in existing systems. Industrial licensees with an interest in further development are sought.*

**Reference**           TODE20190108001

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## Technology Offer

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# Italian software development company, focused on Earth observation, is looking for commercial agreement with technical assistance

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### Summary

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*This Italian software development company, founded in 2004, is specialized in advanced mission analysis. The company has experience in planning and in simulating tools for space applications, with particular focus in Earth Observation. They are seeking potential partners for commercial agreement with technical assistance.*

Reference TOIT20180418002

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## Technology Offer

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# Statistical modelling to predict events based on georeferenced data

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### Summary

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*A Spanish university has developed a technology for modeling complex phenomena and predicting their behavior with the aim of making important decisions. It allows the utilization of large amounts of georeferenced data that could not be used until now due to the difficulty of processing them with conventional techniques. Researchers are seeking partners to reach commercial agreements with technical assistance or develop R&D projects.*

**Reference** TOES20181210001

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## Technology Offer

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# Calculation and satellite imagery tools for crop production management

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### Summary

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*A SME from Northern Italy is developing innovative tools for resource management in agriculture through satellite data, by: developing of calculation tools for nutrient balance into crops management; design of database for the storage of farms management data; developing and validation of prescription maps and crops monitoring tools from satellite imagery. Partners are sought for research, technical or commercial cooperation with technical assistance; interested also in finding investors*

**Reference** TOIT20180412001

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## Technology Offer

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**Offering advanced Platinum thin-film temperature sensor elements for highly-accurate and reliable temperature measurement in automotive, energy, safety, building, life science and home applications.**

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### Summary

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*An innovative German SME specialized in advanced ceramic sensor technologies offers a wide range of highly-accurate, highly-sensitive, selective and stable temperature sensor elements based on a ceramic Platinum thin-film Technology which can be used for automotive, energy, safety, building and home applications. Looking for industrial companies with interest in application and distribution of the very reliable temperature sensor elements for commercial agreements with technical assistance.*

**Reference**                      TODE20181212001

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## Technology Offer

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# Patented equipment for control and positioning of axes in numerical control machines

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### Summary

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*An Italian company operating in the field of industrial engineering, is offering a new patented apparatus and equipment for the resetting and positioning of the axes of numerical control machines. It provides for safety, reliability and efficiency in mechatronic systems. The company is interested in establishing partnerships with advanced machinery manufacturing companies for licensing agreements.*

**Reference** TOIT20181210002

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## Technology Request

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### **A Lithuanian company is looking for a tank walls thickness monitoring technique and seeks for licence agreement or technological support**

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#### **Summary**

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*A Lithuanian company which is developing engineering systems and prototypes seeks for license agreement or technological support for monitoring the walls thickness of tanks made from glass reinforced plastics. The company is looking for a technological cooperation or license agreement with a company supplying or commonly developing a hand held system for the monitoring of the thickness of wastewater tanks wall.*

**Reference**                      TRLT20181210001

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## Technology Request

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# Spanish industrial company is looking for smart technologies for the digitalization and energy efficiency

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### Summary

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*A Catalan construction & engineering company is launching a challenge to collaborate with disruptive start-ups providing solutions in 2 main areas: digitalization of construction and improvement in facility service management. They are looking for solutions based on artificial intelligence, augmented/virtual reality, big data, building information modelling, cloud computing, computer vision, internet of things or robotics. They are interested in a license or a technical cooperation agreement.*

**Reference** TRES20181217001

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## Technology Request

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# Manufacturer of molybden mesh for microfocus X-ray tube

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### Summary

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*A Swedish SME has developed a new type of X-ray tubes and is now looking for a manufacturer of small high precision components to produce a grid consisting of a mesh (about 6 mm in diameter) and a copper holder. The X-ray tube provides a precise, stable, high-flux micro focus beam using ZnO cold cathode technology. The company has a partner for prototype production, but wants to establish a partnership and an agreement with a manufacturer in Europe to scale-up the production.*

**Reference** TRSE20181213001

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## Technology Request

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**A Dutch multinational is looking for innovative sensing solutions to help their demanding chemical processes to be 100% resource efficient.**

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### Summary

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*A Dutch company is a major producer of speciality chemicals, supplying essential ingredients worldwide. To improve their productivity, the company needs a complete understanding of the processes. To achieve this, they need innovative sensors which continuously monitor the chemistry in each process as well as the behaviour of the factory equipment. They are seeking companies or universities to foster and co-develop new technologies via research or technical cooperation agreement.*

**Reference** TRNL20181220001

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## Technology Request

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# Virtual screening technology based on deep learning using big data

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### Summary

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*A Korean pharmaceutical company is active in research and development of new drugs based on natural products and orphan disease through virtual screening technology on the basis of AI. The technology that the company wants to develop by cooperation is virtual screening technology based on deep learning using big data. The type of partnership is commercial agreement with technical assistance.*

**Reference** TRKR20181107001

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