

## HORIZON 2020

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## Industrial Leadership


<b>ID</b>	RDIT20191008001	
<b>Call</b>	H2020 ICT-41-2020: 5G PPP – 5G innovations for verticals with third party services	
<b>Title</b>	Industrial partner, mobile network operator or 5G Radio Access Network equipment vendor is sought to help build and experimental test-bed for next generation applications	
<b>Abstract</b>	<p>The company is a system integrator focused on innovation and operating on the domestic and international markets in different business areas: from telecommunication &amp; broadcasting, to LED lighting technology and security.</p> <p>Research and Development department is currently involved in various pilot projects and gaining experience on the Low Power Wide Area Network (LPWAN) technologies, 5G, Internet of Things (IoT) and related data analysis software platforms.</p> <p>One of the current key goals of R&amp;D research is building new services based on cutting edge ICT technologies.</p>	
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>• R&amp;D Organisations</li> <li>• SMEs or larger companies</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>• Mobile Network Operator (MNO) or a 5G Radio Access Network (RAN) equipment vendor working on the development of next generation network infrastructures and open platforms supporting new cutting-edge applications and business cases</li> </ul> <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> <li>• Implementation of the network infrastructure framework and/or involved in proof of concepts that aim to test new 5G enabled applications. Network equipment and radio infrastructures will be hosted on the company's neutral host solution for small cells and smart features in order to build a complete and innovative experimentation facility—a test-bed for next generation applications.</li> </ul>	
<b>Link</b>	<b><u>Full Version: RDIT20191008001</u></b>	
<b>Deadline</b>	Internal Deadline: 20 Apr 2020 — Deadline of the call: 22 Apr 2020	

## Societal Challenges


NEW

<b>ID</b>	RDES20200402001	
<b>Call</b>	<b>H2020 LC-BAT-8-2020: Next generation batteries for stationary energy storage</b>	
<b>Title</b>	<b>A Spanish university is looking for companies with expertise in design and manufacturing of battery management systems as well as companies with capacity to manufacture printed electronics or equipment for these processes</b>	
<b>Abstract</b>	<p>A research group in a Spanish public university, with a highly specialised multidisciplinary team is focused in power quality, power electronic systems, renewable energies, energy storage and electrical vehicles.</p> <p>The overall objective of the ALAIRE project is to develop a new concept of aluminium-air battery adequate for present and future electric vehicle (EV) and grid energy storage applications through the development of new electrode materials and electrolyte interphases, analysing different alternatives such as carbon nanomaterials, new aluminium alloys and novel sustainable electrolytes. In addition, ALAIRE also considers the design for easy recycling and reuse and the development of innovative manufacturing processes, such as 3D printing.</p> <p>In order to complete the existing consortium, the university is looking for companies with mentioned expertise.</p>	
<b>Partners Sought</b>	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> <li>SMEs and larger companies</li> </ul>	
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> <li>Control electronics</li> <li>Design and manufacturing of battery management systems (BMS)</li> <li>Manufacturing of printed electronics and equipment</li> </ul>	
	<u>Task to be performed:</u> <ul style="list-style-type: none"> <li>Development of the BMS electronics (hardware and software) for the new battery technology functionality and protection (aluminium-air)</li> <li>Production of printed electronics circuits and/or equipment associated to these processes</li> </ul>	
<b>Link</b>	<b><u><a href="#">Full Version: RDES20200402001</a></u></b>	
<b>Deadline</b>	<b>Internal Deadline: 14 Apr 2020 — Deadline of the call: 21 Apr 2020</b>	


## Societal Challenges

<b>ID</b>	RDFR20200317001	
<b>Call</b>	H2020 SC1-DTH-2018-2020: Digital transformation in Health and Care	
<b>Title</b>	French SME offering 'eye-based analysis' solutions for early detection of Alzheimer / Dementia seeks clinical partnerships for assessment / validation of a new screening device	
<b>Abstract</b>	<p>A French SME has developed an innovative 'eye-tracking' medical device to help diagnosing neurological and psychiatric diseases by bringing up robust and quantitative oculomotor neuromarkers for early disease detection and follow-up.</p> <p>The device is an integrative platform for a quick, robust and reproducible clinical oculomotor examination of several conditions including AD, Multiple Sclerosis and Parkinson disease. A recent article demonstrated that recording oculomotor behavior with the device can be a powerful tool to identify attentional deficits in AD patients as well as in individuals at the prodromal stage (Mild Cognitive Impairment).</p> <p>The current challenge is then to unravel the most specific and sensitive oculomotor neuromarkers for diagnosis and monitoring AD.</p>	
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>• SMEs</li> <li>• R&amp;D Institutions</li> <li>• Universities</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>• Clinical / medical research organisations concerned by early Alzheimer detection / characterization (public, private), able or willing to conduct clinical / cohort trials</li> <li>• Experience in H2020 project coordination. It could be one of the clinical/medical partners or a company involved in this field.</li> </ul> <p><u>Task to be performed:</u></p> <ul style="list-style-type: none"> <li>• Conducting clinical/cohort trials</li> <li>• Project coordination</li> </ul>	
<b>Link</b>	<b><u>Full Version: RDFR20200317001</u></b>	
<b>Deadline</b>	Internal Deadline: 15 Apr 2020 — Deadline of the call: 22 Apr 2020	



## Societal Challenges

<b>ID</b>	RDUK20200211001	
<b>Call</b>	H2020 SU-BES02-2018-2019-2020: Technologies to enhance border and external security	
<b>Title</b>	UK company is seeking blockchain and mobile app developers to join project for optimized 'walk through' airport process	
<b>Abstract</b>	<p>Most of the world's hub airports i.e. those processing more than 40 million passengers per annum currently face passenger growth levels that likely require continuous physical expansionist development as passenger numbers continue to trend inexorably upward.</p> <p>A UK company &amp; researcher seek consortium partners to apply for H2020 funding to develop a comprehensive, new digital re-engineering paradigm for airline passengers and operational stakeholders, enabling genuine Terminal 'walk-through' capability.</p> <p>A UK researcher and company have developed a new, operationally feasible process to achieve this, based upon an existing and viable concept and enabled through detailed development of disruptive and other developing technologies e.g. blockchain DLT (digital ledger technology) and AI (artificial intelligence).</p> <p>The system is able to meet the challenges that require appropriate solutions across a mix of secure process activities. And vitally, for all operational stakeholders and equipment vendors, embrace this activity working with concepts and technological expertise, taking ownership as matters reach</p>	
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>SMEs and larger companies</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>Mobile app &amp; Blockchain developer</li> </ul> <p><u>Task to be performed:</u></p> <ul style="list-style-type: none"> <li>Co-development of processes allowing non-human contact processing of airline passengers</li> <li>Development of an app to capture iris biometric data</li> </ul>	
<b>Link</b>	<u><b>Full Version: RDUK20200211001</b></u>	
<b>Deadline</b>	Internal Deadline: 15 Aug 2020 — Deadline of the call: 27 Aug 2020	

## Societal Challenges

<b>ID</b>	RDUA2020011700 1	
<b>Call</b>	H2020 MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards	
<b>Title</b>	Searching for university or company, which works with shipyard, manufacturer of underwater robots to participate in the Horizon 2020 project	
<b>Abstract</b>	<p>The institute has modern technology of underwater “met” welding (welding without the use of barocamers, welding equipment is directly in the sea) and produces the underwater welding semi-automatic device. In the past few years, work is underway to upgrade it to work in a pulsed mode, which gives a big gain in welding quality, especially in the upright position.</p> <p>The project is aimed at creating a robotic welding complex for surface and underwater welding, using underwater welding robots. The condition of the Industry 4.0 organizational system must be fulfilled: the digital transformation of production, using 3D-modeling with automatic control. Elements of artificial intelligence should also be applied in the production of welding processes.</p>	
<b>Partners Sought</b>	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> <li>• SMEs and larger companies</li> <li>• R&amp;D Institutions</li> <li>• Universities</li> </ul>	
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> <li>• Ship manufacturer company or a ship repair service</li> <li>• Company producing underwater robots</li> </ul>	
	<u>Task to be performed:</u> <ul style="list-style-type: none"> <li>• Development of an underwater robot and use it for welding with the use of the welding apparatus made by the institute</li> <li>• Designing a digital twin technology of all processing welding and cut</li> </ul>	
<b>Link</b>	<u><a href="#">Full Version: RDUA20200117001</a></u>	
<b>Deadline</b>	Internal Deadline: 12 Apr 2020 — Deadline of the call: 21 Apr 2020	

## European Innovation Council

ID	RDBE20200402001		
Call	H2020 EIC-FTI-2018-2020: Fast Track to Innovation (FTI)		
Title	Belgian university seeks support for a development tool for non-programmers to facilitate implementation of data acquisition, processing and analysis pipelines		
Abstract	<p>The Belgian software languages lab, hosted by a Belgian university and coordinator of the project, has expertise in developing software engineering tools (e.g. programming languages, libraries, ...) that ease the development of complex software systems. One of these tools developed in recent years is a development platform that enables non-programmers to implement their own data acquisition, processing and analysis systems (DAPAS). The uniqueness of the platform is that it offers online visual tools that allow both non-professional users and specialists alike to build their own DAPAS.</p> <p>With this fast track to innovation project, the lab is aiming to bring its technology to the market in the form of a spin-off company. A first task consists in further developing the platform from a technological perspective. A second task consists in developing the platform from a business perspective (e.g. setting up pilot projects with lead clients, business development, etc.).</p>		
Partners Sought	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> <li>SMEs and larger companies</li> </ul>		
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> <li>Business-oriented partner that is willing to play a key role in the creation of the foreseen spin-off company</li> <li>Experience with market that heavily relies on the collection of data in order to create or optimise products/services (e.g. IoT, industry 4.0, smart cities, fleet and asset management, telematics, etc.).</li> </ul>		
	<u>Task to be performed:</u> <ul style="list-style-type: none"> <li>Preliminary market research and potential lead clients</li> <li>Setting up and managing pilot projects with lead clients</li> <li>Co-design of the spin-off strategy and business development</li> </ul>		
Link	<b><u>Full Version: RDBE20200402001</u></b>		
Deadline	Internal Deadline: 07 May 2020 — Deadline of the call: 09 Jun 2020		



## European Innovation Council




NEW

<b>ID</b>	RDUK20200320001
<b>Call</b>	H2020 EIC-SMEInst-2018-2020: SME instrument
<b>Title</b>	UK company is seeking subcontractors to support electric vehicle charging stations
<b>Abstract</b>	<p>Despite the EU directive from 2014, there are still very few charging points for EVs in the UK and Europe.</p> <p>The UK company is applying for EIC Accelerator funding to create EV charging stations that will hold 40 cartridges per unit (expandable) to be able to compete with the convenience of petrol stations. This is an increase in capacity over the Chinese system that only caters for cars, and will additionally offer a Pay As You Drive payment system, to reduce the cost of purchasing EVs.</p> <p>For that the company is seeking electricity generators, battery companies and vehicle manufacturers to work alongside the project.</p>
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>SMEs</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>Energy suppliers</li> <li>Battery makers</li> <li>Car manufacturers</li> </ul> <p><u>Task to be performed:</u></p> <ul style="list-style-type: none"> <li>Subcontracting work to support the project, which is to develop a new network of EV charging stations throughout Europe</li> </ul>
<b>Link</b>	<b><u>Full Version: RDUK20200320001</u></b>
<b>Deadline</b>	<b>Internal Deadline: 12 May 2020 — Deadline of the call: 19 May 2020</b>




## European Innovation Council

<b>ID</b>	RDES20191111001	
<b>Call</b>	H2020 FETOPEN-01-2018-2019-2020: FET Open Challenging Current Thinking	
<b>Title</b>	<b>Industrial partners sought with expertise in the manufacturing of membranes with nano-pores and/or interested in the application of a device for refolding proteins prone to aggregation</b>	
<b>Abstract</b>	<p>A Basque research centre is working on an interdisciplinary project combining soft-matter physics and biology. This project aims at developing a new technology employing “soft nanopores” through which to refold proteins and disaggregate protein clusters.</p> <p>Proper folding is essential for active proteins to exert their function in biological systems. Protein misfolding of recombinant proteins is one of the mayor bottlenecks in intensive, industrial scale production of therapeutic proteins. Misfolded proteins and their aggregates pose a problem both when present in the human body and after recombinant protein synthesis. Accumulation of misfolded proteins in the body is the basis of many diseases, such as Alzheimer's and Parkinson's diseases. They also limit the yields obtained from recombinant protein synthesis, and reduce the batch' purity. Thus, there is a need for protein purification, where these malformed proteins and their aggregates are filtered from their properly folded counterparts.</p> <p>The company's technology allows proteins a second chance to refold properly upon exiting the soft nanopore.</p>	
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>SMEs or larger companies</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>They are looking for biopharmaceutical or industrial companies capable of manufacturing membranes with nanopores or interested in the application of a device for refolding proteins to aggregation.</li> </ul> <p><u>Task to be performed:</u></p> <ul style="list-style-type: none"> <li>The role of the partner will be that of co-development within a technical cooperation.</li> </ul>	
<b>Link</b>	<b><u>Full Version: RDES0191111001</u></b>	
<b>Deadline</b>	<b>Internal Deadline: 13 Apr 2020 — Deadline of the call: 13 May 2020</b>	




## EUREKA EUROSTARS

<b>ID</b>	<b>RDKR20200305001</b>	
<b>Call</b>	<b>EUREKA Eurostars</b>	
<b>Title</b>	<b>A Korean electronical technology institute is looking for partners to develop acoustic levitator for powder ALD (atomic layer deposition) process</b>	
<b>Abstract</b>	<p>The Korean institute is a leading R&amp;D institute specializing in electronics and IT under the Korean Ministry of Trade, Industry and Energy. It commits to grow together with companies in the global market, focusing on more real-world applications beyond the lab.</p> <p>Atomic layer deposition (ALD) is a thin film deposition technology based on sequential use of a gas phase chemical process. The ALD process uses two chemicals which are generally called precursors. These precursors are deposited on the substrate sequentially and react to form a thin dense film.</p> <p>The R&amp;D institute has built a good base of ALD application in smart windows and thin film batteries based on previous study. It has been successful to form vanadium oxide films on glass substrates by using tetrakis (ethylmethylalmino) vanadium (TEMAV) and tris (dimethylamino) cyclopentadienyl vanadium.</p> <p>The main goal of the joint research is to fabricate powder (particles) by atomic layer deposition process, which will be using precursors, with high performance and thin layers. The fabricated powder (particles) will be used for automobile and wearable device applications.</p>	
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>• SMEs and larger companies</li> <li>• R&amp;D Organisations</li> <li>• Universitites</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>• Experience in acoustic levitator technology</li> </ul> <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> <li>• Development of an acoustic levitator for ALD process</li> </ul>	
<b>Link</b>	<b><u>Full Version: RDKR20200305001</u></b>	
<b>Deadline</b>	<b>Internal Deadline: 01 May 2020— Deadline of the Call: 27 Feb 2021</b>	




## EUREKA EUROSTARS

<b>ID</b>	RDFR20200205001	
<b>Call</b>	EUREKA Eurostars	
<b>Title</b>	<b>A French SME is seeking industrial and research partners to set-up a novel system for recycling destructured data</b>	
<b>Abstract</b>	<p>A multinational consortium, coordinated by a young and innovative French SME, targets destructured graphic data with the goal of developing an innovative data processing tool that is able to restructure and recycle non-structured data.</p> <p>It should be used for comparing destructured files of the same type, comparing heterogenous files, restructuring an unstructured file, indexing all textual and graphic information, searching for documents, classifying and organising documents.</p>	
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>SMEs and larger companies</li> <li>R&amp;D Organisations</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>Laboratory in the field of artificial intelligence</li> <li>Companies with thematic/problematic of restructuring data as end-users</li> <li>Start-ups with problems in finding patterns similar to the consortium</li> </ul> <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> <li>Development of a novel data restructuring tool that will be mainly based on artificial intelligence technologies</li> <li>Laboratory: Working on the problem of graphical restructuring of the information contained in vector graphics files</li> <li>Companies: Definition of tools from a potential user's point of view</li> <li>Start-ups: Pool research work</li> </ul>	
<b>Link</b>	<b><u>Full Version: RDFR20200205001</u></b>	
<b>Deadline</b>	<b>Internal Deadline: 01 Jul 2020— Deadline of the Call: 03 Sep 2020</b>	




## EUREKA EUROSTARS

<b>ID</b>	RDKR20191216001	
<b>Call</b>	EUREKA Eurostars	
<b>Title</b>	Seeking partners to cooperate development of solar high-reflective paint	
<b>Abstract</b>	<p>A Korean company has been focused on high-tech materials for display industry and materials of automobile component since it was established in 2001. The company develops paint which can reflect solar light.</p> <p>The project aims to develop a solar high-reflective paint to increase energy efficiency in buildings. This company wants to find partners in the related field to submit a proposal to Eureka and Eurostars2 under research cooperation agreement.</p> <p>The paint with highly reflective solar energy could be supportive to decrease the energy consumption in building especially in summer.</p> <p>This company agreed on a partnership with a Korean university, and it is expected that the research would take a period of 3 years.</p> <p>For solar heat, the reflection from the paint would be more than 80%.</p>	
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>• SMEs</li> <li>• R&amp;D Organisations</li> <li>• Universities</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>• Coating material, building energy efficiency modeling</li> </ul> <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> <li>• Improvement of technical functions to be applicable on building energy efficiency modelling</li> </ul>	
<b>Link</b>	<u><b>Full Version: RDKR20191216001</b></u>	
<b>Deadline</b>	<b>Internal Deadline: 15 May 2020— Deadline of the Call: 24 May 2020</b>	




## EUREKA EUROSTARS

<b>ID</b>	RDTR20191129001	
<b>Call</b>	EUREKA Eurostars	
<b>Title</b>	<b>Turkish company is looking for partners for a project on custom made biodegradable craniomaxillofacial implants</b>	
<b>Abstract</b>	<p>An innovative Turkish company specialized in additive manufacturing and medical 3D printing focuses on custom made implant production for craniomaxillofacial patients. Using custom made implants creates biodegradable alternatives that can deliver benefits in a more controlled fashion at the defect site.</p> <p>Opportunities to recover any bone loss with an implant that will turn into patients own bone tissue is the main innovation that the company offers. This innovation will also prevent infection risks and accelerate the recovery periods.</p>	
<b>Partners Sought</b>	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> <li>• SMEs</li> <li>• R&amp;D Organisations</li> <li>• Universities</li> </ul>	
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> <li>• Custom made implants</li> <li>• Additive manufacturing process development</li> <li>• Preclinical/clinical trial evaluation of the medical devices</li> <li>• Medical device directive (MDD) and/or medical device regulation (MDR)</li> <li>• Tissue engineering</li> <li>• Orthopaedics</li> </ul>	
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> <li>• Share work on custom made implants for craniomaxillofacial patients</li> </ul>	
<b>Link</b>	<b><u>Full Version: RDTR20191129001</u></b>	
<b>Deadline</b>	<b>Internal Deadline: 03 Jul 2020— Deadline of the Call: 03 Sep 2020</b>	




## EUREKA EUROSTARS

<b>ID</b>	<b>RDKR20190909001</b>	
<b>Call</b>	<b>EUREKA Eurostars</b>	
<b>Title</b>	<b>Looking for partners for developing precursors for ALD (atomic layer deposition) process</b>	
<b>Abstract</b>	<p>A leading R&amp;D institute specializing in electronics and IT under the Korean Ministry of Trade has built a good base of ALD application in smart windows and thin-film batteries through the previous study.</p> <p>Atomic layer deposition (ALD) is a thin film deposition technology using sequential use of a gas phase chemical process. The ALD process uses two chemicals typically called precursors. These precursors are deposited on the substrate sequentially and reacted to form a thin dense film. Compared to conventional thin film processes it has the advantage to grow, form materials uniformly with high precision on arbitrarily complex and large substrates. As the deposited layer can be finely controlled its perspective is also seen in scaling down microelectronic devices according to Moore's law.</p> <p>Currently, in areas of semiconductor, various precursors have been studied to form Al<sub>2</sub>O<sub>3</sub>, ZrO<sub>2</sub>, and HfO<sub>2</sub> materials.</p> <p>The main goal of the joint research is to create high-performance thin layers using precursors for automobile and wearable device applications.</p>	
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>• SME or larger companies</li> <li>• R&amp;D Institutions</li> <li>• Universities</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>• Nanotechnologies related to electronics &amp; microelectronics</li> </ul> <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> <li>• Development of pre-cursor material for ALD (atomic layer deposition) process</li> </ul>	
<b>Link</b>	<b><u>Full Version: RDKR20190909001</u></b>	
<b>Deadline</b>	<b>Internal Deadline: 29 May 2020— Deadline of the Call: 30 Jul 2020</b>	




## EUREKA EUROSTARS



<b>ID</b>	<b>RDKR20190708001</b>	
<b>Call</b>	<b>EUREKA Eurostars</b>	
<b>Title</b>	<b>Seeking partners to cooperate development of coating materials and products for smart windows</b>	
<b>Abstract</b>	<p>A Korean company has been focused on high-tech materials for display industry and materials of automobile component since established in 2001. The company develops coating materials for smart window and building modelling for energy efficiency in order to decrease energy consumption in building.</p> <p>The company comes up with the idea of development of coating materials and thermos-chromic materials to lower energy consumption in building. For example, there is a representative type of coating, such as AF (Anti-Fingerprint) coating. AF coating prevents foreign substances from being attached and easily removes pollutants from the surface.</p>	
<b>Partners Sought</b>	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> <li>• SMEs</li> <li>• R&amp;D Organisations</li> <li>• Universities</li> </ul>	
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> <li>• Coating material, thermos-chromic and building energy efficiency modelling</li> </ul>	
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> <li>• Improvement of technical functions of the existing products to be applicable on building energy efficiency modelling</li> </ul>	
<b>Link</b>	<b><u><a href="#">Full Version: RDKR20190708001</a></u></b>	
<b>Deadline</b>	<b>Internal Deadline: 15 May 2020 — Deadline of the Call: 15 Jun 2020</b>	





## EUREKA EUROSTARS

<b>ID</b>	<b>RDKR20190718001</b>	
<b>Call</b>	<b>EUREKA Eurostars</b>	
<b>Title</b>	<b>Partners sought for cooperation on battery recycling technology</b>	
<b>Abstract</b>	<p>A Korean company was incorporated in 1990 and focused on development of technology applicable on power transmission and distribution system.</p> <p>The company comes up with the idea of advanced technology in this field because many devices are turning into electronic products in the modern society, meaning that the demand of batteries is consistently increasing while the ratio of collection and recycling of used batteries is considerably low.</p> <p>The company aims to solve the environmental problems as the use of heavy metals in the battery steadily increases and results in environmental pollution.</p>	
<b>Partners Sought</b>	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> <li>(Hightech) SMEs</li> <li>R&amp;D Organisations</li> </ul>	
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> <li>Specialized in the technology of batteries and environmental engineering at the same time</li> </ul>	
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> <li>Introduction of the technology of collecting the batteries and recycling or extracting the heavy metals in the battery through the advanced technology</li> </ul>	
<b>Link</b>	<b><u>Full Version: RDKR20190718001</u></b>	
<b>Deadline</b>	<b>Internal Deadline: 15 May 2020 — Deadline of the Call: 15 Jun 2020</b>	



## Technology Request

ID	TRIT20200316001		
Title	Italian company is looking for an eco-friendly solution of biodegradable biopolymer to replace acrylic resin in the paper coating		
Abstract	<p>The Italian company is specialized in superficial treatments of paper and board for luxury packaging. The superficial treatment is aimed at giving visual and tactile effect to paper (such as color, brilliance, soft touch, etc). The finish is given through air knife coating. Coatings are made with: binding agents, charges, pigments and additives. Binding agents used so far are acrylic based, of petrochemical derivation, not biodegradable.</p> <p>The company is looking for a new technology able to substitute the current binders with biodegradable binders, decreasing thus the environmental impact.</p> <p>The technology sought is a replacement of acrylic resin in paper coating. Ideally, the new product should be a biodegradable biopolymer applicable by air knife technology.</p>		
Partners Sought	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> <li>SMEs</li> <li>R&amp;D Institution</li> </ul>		
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> <li>Experience with described technologies</li> </ul>		
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> <li>Development of a technology for a replacement of acrylic resin in paper coating</li> </ul>		
Link	<b><u>Full Version: TRIT20200316001</u></b>		
Deadline	Internal Deadline: 20 Mar 2021		

## Technology Request

<b>ID</b>	TRAT20200310002		
<b>Title</b>	<b>Austrian industrial company is looking for start-ups with solution for big data analytics of industrial assets</b>		
<b>Abstract</b>	<p>As part of a regional innovation program in Tyrol, an Austrian company is looking for start-ups from Europe and beyond. The company is a manufacturer of refractory metals such as molybdenum, tungsten, tantalum, niobium and chromium components for high temperature applications.</p> <p>The company is looking for solutions in the field of big data analytics. So far, a lot of data has been collected from the machines, furnaces and thermal reactors, but has not been processed further. Another challenge is to overcome the interfaces of different machine types in order to analyse the data of the entire production chain.</p> <p>Potential partners should offer a solution to extract relevant information from big data sets in order to analyse the data to optimise energy efficiency, process stability, quality control and to reduce scrap goods. Additionally, they are also interested in implementing artificial intelligence solutions to predict process control parameter for industrial assets based on both real time and recorded data.</p>		
<b>Partners Sought</b>	<u>Type of Partners sought:</u> <ul style="list-style-type: none"> <li>SMEs</li> </ul>		
	<u>Specific area of activity:</u> <ul style="list-style-type: none"> <li>Experience in data analysis</li> </ul>		
	<u>Tasks to be performed:</u> <ul style="list-style-type: none"> <li>Development of a solution to integrate real time and recorded data from different machine types and analyse this data sets in order to enhance the production process control for industrial assets</li> </ul>		
<b>Link</b>	<b><u><a href="#">Full Version: TRAT20200310002</a></u></b>		
<b>Deadline</b>	<b>Internal Deadline: 11 Jun 2020</b>		

## Technology Request

<b>ID</b>	TRCH20200310001		
<b>Title</b>	<b>Contract manufacturing sought for processing food industry side-stream in large-scale batch reactors to produce prebiotic ingredients</b>		
<b>Abstract</b>	<p>A spin-off of a Swiss technical university developed a catalytic technology to process food industry side-streams like agricultural/food biomass to produce prebiotic ingredients which are certified under GMP+ (Good Manufacturing Practices). The prebiotics will be used for animal feed or food.</p> <p>The Swiss spin-off is looking for a contract manufacturer that will be able to scale-up their pilot scale production of prebiotic ingredients from food side-stream biomass. The spin-off provides the key enabling processing aid, which, when mixed with the feedstock in an aqueous solution, is able to efficiently extract the prebiotic. From the sought partner they request the industrial operational expertise to operate in such large volumes under the desired processing conditions (145°C, 10 bar, stirring 200rpm).</p>		
<b>Partners Sought</b>	<p><u>Type of Partners sought:</u></p> <ul style="list-style-type: none"> <li>• SMEs and larger companies</li> <li>• R&amp;D Institutions</li> </ul> <p><u>Specific area of activity:</u></p> <ul style="list-style-type: none"> <li>• Contract manufacturing company</li> <li>• Research institution with contract manufacturing facilities &amp; capability to produce feed and/or food products</li> </ul> <p><u>Tasks to be performed:</u></p> <ul style="list-style-type: none"> <li>• Receive raw material from food side streams, and potentially store it in cool temperature (approx. 5°C), add the milled biomass together with the company's processing aid and water in large (&gt;2m3) reactor vessels, perform the reaction in well stirred reactor for some time at max 145°C temperature, and max 10bar pressure, separate fluid from solids (The desired product is in the liquid phase), evaporate the water from the liquid to concentrate the product, collect the product in powder form by spray-drying (or equivalent)</li> <li>• Optional tasks: Preprocess the raw material by milling down to 300 microns, package the final powder in air-tight bags to avoid humidity</li> </ul>		
<b>Link</b>	<b><u><a href="#">Full Version: TRCH20200310001</a></u></b>		
<b>Deadline</b>	<b>Internal Deadline: 12 Mar 2021</b>		