



OPEN CALL FIND YOUR COLLABORATIVE PARTNER



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Opportunities of innovation partnerships and projects for DREAM Open Call - April 2023

profile number	Country of origin	Region of origin	Core business and activities	Status	Profile	Idea / project	TRL (Technology Readiness Level)	Digital scope	partners' profiles searched:
2023-1	Bulgaria	Bulgaria	<p>We build custom IoT & Automation solutions addressing issues such as energy efficiency, air quality, sustainability, resiliency, predictive maintenance and data security.</p> <p>We offer:</p> <ul style="list-style-type: none"> • Custom IoT systems and networks on demand • Custom ML and AI functionality <p>We have 12+ years of experience working for customers like Continental Automotive GmbH and Siemens Logistics. We are certified under ISO 9001:2015 and ISO 27001:2013</p>	SME	technology provider	<p>We offer an ultra versatile, low-code IoT Application Enablement Platform, that allows all IoT product manufacturers and all businesses to use low-cost, low-power hardware for building fully-functional IoT systems and devices, greatly reducing costs and time to market.</p> <p>In addition to all kinds of sensors, our technology also supports mesh communication with or without Internet (LoRa, WiFi), international Sim card, and configuring local 4g/5g Swarms of IoT devices. By adding our hardware controller, one can also automate existing equipment.</p> <p>Our solution includes:</p> <ul style="list-style-type: none"> • Great reduction in IoT data traffic • Option for self-sustainable IoT network: no Cloud, no Internet • No downtime for reconfiguration • Smart and multi-role IoT devices 	6 - Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)	Internet of Things (IoT)	<p>Our target partners include:</p> <ul style="list-style-type: none"> • Companies who need custom monitoring & automation which works locally on in Cloud • Large companies who need to minimize IoT data traffic significantly • Companies processing sensitive information • Companies who need to build and manage resilient IoT networks • Small companies with no previous IoT experience
2023-2	ITALY	VENETO	the company operates in the sector of new technologies applied to the green economy, and has developed and patented a new system for mixing and regulate the water-flow of water-sanitary and heating systems. It/s a water-flow mixing and regulation system with electrovalves and control power units for one-pipe water-sanitary systems.	SME	technology provider	the innovation aspect of our project concerns savings sanitary water consumption, savings boiler energy through a new system for the mixing and regulation of water-flow, using only one-pipe for cold and hot water, going beyond the traditional concept of water-sanitary systems, commonly installed in the domestic, commercial, industrial buildings, hotels, hospitals, etc.	7 - System prototype demonstration in operational environment	System Integration	We are looking for a partner operating in the construction and plumbing fields
2023-3	Greece	Attica	Our company provides an integrated platform driven by autonomous aerial robots and AI-enabled software for the digitalization of indoor environments, transforming physical processes into digital assets.	SME	technology provider	Our company is developing a disruptive approach of utilizing autonomous aerial vehicles (UAVs) and process automation through an AI-powered Cloud Platform (CP), to standardize the conformity of the elevator system in alignment with manufacturing standards. Our solution aims to disrupt the inspection and manufacturing phase of elevator systems by digitalizing the elevator shaft and connecting its 'as-built' digital twin with the elevator stakeholders. Our solution leverages robotic, AI and communication technologies (such as 5G) to evaluate elevator shafts and to remotely provide both quantitative (in terms of measurements)/qualitative data serving as a means for elevator installers, manufacturers, and maintainers to perform their tasks in an automated way.	6 - Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)	Cloud Computing; Autonomous Robotics	Our company participates in the digital transformation of the vertical transportation sector, which includes stakeholders such as elevator system installers, elevator manufacturers, and notified bodies. Elevator manufacturers, however, are our main target and the ones that can significantly benefit by implementing our solution during the manufacturing part of the value chain which extends from research and development to decommissioning and disposal of the elevator system.
2023-4	Greece	Lefkada	maritime applications, 3D printing, robotics	SME	technology provider	Autonomous Surface Vehicles to rid the sea surface of pollutants	6 - Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)	Additive Manufacturing; Autonomous Robotics; Simulation	Information Technology and Artificial Intelligence
2023-5	Lithuania	Vilnius	Our portfolio covers wireless power transmission for the Internet of Things. In addition we are laser technology, service provider	SME	technology provider	This project aims to develop wireless energy transfer technology for IoT sensors from standard WiFi network. A working prototype of a CO2 sensor with remote power/data transfer working on a standard Wi-Fi network is already demonstrated. Within this project we aim to develop energy harvesting module on flexible substrate like PET or PI and demonstrated working prototype in relevant environment.	6 - Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)	Internet of Things (IoT); System Integration	Sensors and IoT systems manufacturing
2023-6	France	Île de France	Our company develops and operates its own products in Networks, Telecom and Cybersecurity	SME	technology provider; Industrial end-user	This project intends to use our enterprise grade WLAN infrastructure to provide Wi-Fi based sensing for device-free human localization and movement detection in an industrial environment, such as warehouse, including robots, items and other equipment (RFID and barcode readers, tablets, etc.). Wi-Fi sensing exploits the perturbation of the RF communication between access points and wireless devices for detection, localization and activity measurement purposes, without requiring any specific equipment. Our solution will benefit from last Wi-Fi 6 technologies and software-defined components.	Other	Cloud Computing; Internet of Things (IoT); Big Data and analytics; Autonomous Robotics; System Integration	<p>Data processing for Wi-Fi sensing solution</p> <p>To achieve our goal we are looking for a partner able to bring expertise in all the tasks required to turn a traditional Wi-Fi6 infrastructure into a Wi-Fi sensing solution: i) extraction of CSI raw measurements, ii) pre-processing of time-series datasets, iii) algorithm and data processing. The partner will also participate in tests and analysis and interpretation of application results.</p>

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2023-7	Germany	Deidesheim	Cyber Security Services and Data Protection	SME	technology provider	<p>The innovative project aims to develop a comprehensive cybersecurity framework that integrates and focusses on the existing Information Security Management Systems (ISMS) used by manufacturing companies and their counter parties.</p> <p>Our company will leverage advanced technologies such as AI and machine learning to provide real-time Counter Party threat detection, prevention, and response capabilities in the supply chain to manufacturing companies. The framework will be tailored to the specific needs of each company and will be designed to provide maximum protection against cyber threats while minimizing the impact on business operations.</p> <p>One of the key innovations is its ability to provide a holistic view of the cybersecurity posture of manufacturing companies. This will be achieved by integrating with the existing ISMS and by leveraging data from various sources such as other participants, threat detection and access control systems. By doing so, we will provide a unified view of the cybersecurity risks faced by the company and their supply chain and enable proactive risk management.</p>	Other	Cloud Computing; Additive Manufacturing; Big Data and analytics; Cybersecurity	manufacturing company with a greater supply chain
2023-8	Ireland	Kildare	Our company is a dynamic, quality-oriented and dedicated IT and consultancy solutions company. We provide innovative, customised IT solutions, managed services and a path to increase organisational efficiency, productivity and revenue optimisation with the promise to empower businesses. We are active in Big Data, Information Intelligence, AI/ML, Process Mining, Blockchain, etc.	SME	technology provider	<p>Intelligent Augmented Process Mining. Our solution allow us to identify inefficiencies, present a compelling case for automation based on ROI, and offer intelligent insights and process improvements to end-users.</p> <p>Augmenting predictive process modelling within process mining using machine learning models allows for predicting the outcomes for dispute cases in a system for dispute management and resolution.</p> <p>Using event-based prediction models to augment process mining, we can use the model to predict outcomes based on specific events or triggers within the system, which will allow for an early view on impacts related to finance, timelines, revenue, and allow the client to manage their customer expectations or experience.</p>	Other	Big Data and analytics	We would prefer to support organisations in health, but the solutions is applicable to any organisation of a certain complexity.
2023-9	Luxembourg	Luxembourg	We provide a SaaS-based Augmented Reality platform for the manufacturing and machine building sector to cut overhead and waste, which translates to lower costs and higher competitiveness.	SME	technology provider		7 - System prototype demonstration in operational environment	Internet of Things (IoT); Big Data and analytics; Immersive technologies (AR/VR); System Integration	We look for partner companies who have maintenance teams, operators and/or assembly employees and would provide an innovative approach to enable them to work with higher quality and efficiency by providing a lean and easy-to-use upskilling approach and train-on-the-job.
2023-10	Italy	Tuscany	Cybersecurity and data protection technology development and solution provider of secure data sharing and data sovereignty platform for industrial value chains. We offer the SaaS B2B secure data sharing experience that makes it simple to protect industrial data and confidently use it within value chains.	SME	technology provider	We want to engage an industrial partner in Europe willing to involve its stakeholders in supply chain to implement and demonstrate the effectiveness of our innovative approach for secure data sharing and data sovereignty technology, delivering cyber risk mitigation, overall compliance, cost reduction and improved efficiency of data governance processes.	6 - Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)	Cloud Computing; System Integration; Cybersecurity	industrial partners managing a large supply chain ecosystem . Ideally we are looking for a MSB that is exploring new opportunities to improve its data operations and revenues
2023-11	Portugal	Lisbon	Industrial Augmented Reality tool for error eradication and continuous improvement	SME	technology provider	A low code / no code platform for AR instructions, automatic quality checking and shopfloor process insights through process mining, that enable continuous improvement.	8 - System complete and qualified	Immersive technologies (AR/VR)	Automotiv, aerospace

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2023-12	Italy	Piedmont	High technological HW\SW services - Design, Developing, Testing	SME	technology provider	<p>Typically, an industrial environment is composed by processes, automations, measurements, controls, analysis, decisions, and a really varied mechanical, electronic and software elements are used. A centralized tool, able to convey information and to manage control flows, can allow to integrate these elements in a highly configurable and controllable way.</p> <p>Our company developed and is enhancing a tool that combines these topics with an ease to use environment that do not require programming skills to use it.</p> <p>By our tool it is possible to create automatic procedures useful for interacting, integrating and collaborating</p> <ul style="list-style-type: none"> • physical objects – e.g. electronic instrumentation, control units, monitoring systems, measuring systems, communication interfaces; • SW elements – e.g. commercial tools, browsers, proprietary applications (e.g. algorithms, graphical interfaces, WEB apps, ...) <p>If necessary SW modules can be added to SPR, to integrate functionality and intelligence (e.g. analysis algorithms, interfaces) and to interact with the elements of one or more external systems.</p>	7 - System prototype demonstration in operational environment	Internet of Things (IoT); System Integration	Industrial - End User
2023-13	Germany	Niedersachsen	Our company has innovated the magnetic information platform. In very short we transformed the magnetic stripe known from banking cards and audio tapes into a use as serial number (ID) for means of production. We developed the magnetic write head to code the magnetic data carrier, a scanner to read out the stored information of an ID-tag and the ID-tag itself.	SME	technology provider	<p>We produce the high temperature resistant id tags, made of stainless steel, as well as the reading devices. A connectivity to IOT platforms is given. The unique selling point of this innovative technology, is its robustness. Actually the temperature limit is approved to be over 325 °C. Mechanically the magnetic ID is protected by a toplayer of stainless steel with a thickness of at least 0,2 mm. The ID-tag is only build of metallic material. Several metall-sheets are welded together. This is one reason for the robustness, also in contact with chemicals.</p>	6 - Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)	Internet of Things (IoT); Big Data and analytics; System Integration	Any company with a need of tracking and tracing their assets in the production. Our ideal partner can not use engraved codes or RFID due to the harsh environment. At the moment we are talking to several companies in the rubber industry, food industry and roll manufacturer for several industries. Our finding is, that a robust id is interesting in all these industries.

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