



DREAM open call

Funded Projects



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Funded projects 1/5



APPLICATION	FULL TITLE	THE PROJECT IN A NUSTHELL	PROJECT TYPE	P1 FULL NAME	P2 FULL NAME	P3 FULL NAME
ALDS	Acoustic Leaks Detection Sensor	SENSAiO Acoustic sensor detect and characterise gas leak signatures across miscellaneous type of industrial equipments located in highly constraint environment thanks to powerful embedded Ai.	Demonstration (TRL 7/8)	EDGE TECHNOLOGIES	Membrane Systems Europe B.V.	
ATRACMO	Automated TRacking of cable Manufacturing Operations	Atracmo project goal is to track on-demand custom cable manufacturing operation in order to reduce raw material, paper and energy consumption by optimising raw material utilisation, improve of operation efficiency, and go paperless.	Demonstration (TRL 7/8)	EDITAG	IC AUTOMATION PRODUCTION LOGISTIQUE	
AUTOChem	Automation of chemical transformations and process intensification through a thin film reactor – Moving toward a greener and very flexible approach to high value added chemicals manufacturing	AUTOChem ambitions are to improve the environmental impact of the production of high value-added chemicals by reducing solvent use by 40% and energy needs by 30% and to reduce operator exposure to harmful chemicals by at 50% with the help of automation and digital technologies.	Demonstration (TRL 7/8)	Synlock SRL	ABX advanced biochemical compounds GmbH	
AVIA	Artificial Intelligence for Visual Inspection Automation	Automate visual inspection quality system with AI for microelectronics industry : Plug an industrial vision system to an AI-based computer vision software to automate defect detection for microelectronics components	Demonstration (TRL 7/8)	VISIONAIRY	MINAPACK	
CEMS	Cloud-based Energy Monitoring System	This project aims at setting up a cloud-based system to monitor the energy consumption of an industrial process by combining information coming from wired (OT) and wireless sensors (IoT).	Demonstration (TRL 7/8)	Ewattch SAS	Vinventions	WideTech
CONTENT	CONnected Testbench for the Electronic iNdustry	CONTENT aims to set-up a bidirectional and automated communication channel between ERP of customers and EMS partner integrated in a traditionnal electronic testbench in order to efficiently and adaptatively optimise the quality control and customization of electronic products	Prototype (TRL 6)	Altéris Technologies	Tiskana vezja LUZNAR	
DF4SF	Digital Filtering for a Sustainable Food industry	Digital Filtering for a Sustainable Food industry. With our cutting-edge solution, water is no longer a gamble. Zero waste is the name of the game as we safeguard resources and empower sustainable production. Say goodbye to inefficiency and hello to responsible innovation!	Demonstration (TRL 7/8)	INOXTEK SRL	Pastificio Rana S.p.A.	



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DigiBone	Development of automated digital integration of new generation of lattice structure for large bone reconstruction.	Development of automated digital integration of new generation of lattice structure for large bone reconstruction.	Prototype (TRL 6)	Janus Engineering	Cerhum
DIGIWAT	Digital Solutions for Advanced Water Treatment: taking the next step towards intelligent use of data in advanced water treatment system	Enhancing the efficiency of innovative small-scale water treatment, in terms of use of energy, water, chemicals needed for water treatment, through intelligent data-driven solutions	Prototype (TRL 6)	GridMetrics Ltd.	IRIS SRL
DoWa	DosiWatch	DosiWatch Makes Radiation Work Safer.	Prototype (TRL 6)	COMmeto	RadiÖko Műszaki Szolgáltató Korlátolt Felelősségű Társaság
DREAMHAM	Adopting advanced quality inspection tools and Artificial Intelligence models in the meat industry to reduce food waste.	More resource-efficient and sustainable meat processing through the application of digital technologies to monitor the quality of raw meat and predict the development of textural defects after processing, **minimizing the generation of wasted meat** during the slicing operations.	Prototype (TRL 6)	Lenz Instruments, S.L.	Rovagnati S.p.A.
DRI-COR-VS	Intelligent Player Detection and Athletic Statistics Generation using Vision System for Connected Training Equipment in Football	We will create an accessible AI vision system for sports player detection and athletic statistic generation from video, eliminating the overall ecological cost of GPS chips (similar current technology), emphasizing its eco-friendly nature while providing enhanced services.	Prototype (TRL 6)	Corematic Europe SRL	DRILLLIGHT SAS
DROID-IT	Digital Resource Optimization for Dairy Innovation and Transformation	DROID-IT fuses AI and robotics to revolutionize dairy production, boosting market competitiveness by enhancing efficiency and sustainability of resource use.	Prototype (TRL 6)	tr2 srls	Arkus 99
DWC	DigitalWorkshopConnector	The goal of the project is to enhance our Mobinome mobile app for workshop technicians with new features that enable intelligent interactions between IT and workshop automation systems, through a communication connector and a user rights configuration interface.	Prototype (TRL 6)	Bside SA	Dufour IDF



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ERAS-GRID	Efficient, Resilient and Sustainable Self Micro-Grid for Industrial Applications based on a Demand on Demand Concept	Design of a smart grid tool to optimise the use of energy from a self-consumption plant and the use of the battery in a microgrid installed in an industrial environment.	Prototype (TRL 6)	R2M Solution SAS	Cosentino industrial S.A.U
EUROPACKTALKME	TM Factory ! Collection and use of datas from heliogravure machine to improve your Overall Equipment Effectiveness!	How monitoring machines parameters with TM Factory will lead to better competitiveness, resilience, environmental impact by decreasing the down time? How knowing the pareto of the root causes, will improve the machine lifetime, decrease the loss, and avoid wastes?	Prototype (TRL 6)	SAS TALKME	Europack Bulgaria M Ltd
eWalkMOD	efficient Walker Multibody mODEling: an efficient digital model using multibody dynamics of a human walker that automatically handles human variability.	Develop a digital multibody model of a human walker, ultimately equipped with a knee prosthesis, able to efficiently take into account the variations between individuals. The goal is to automatically evaluate the gait quality through the automatic analysis of simulation signals.	Prototype (TRL 6)	Quandyga Engineering SPRL	Össur Iceland ehf
H.E.R.M.E.S	HEatpumps and Refregirator Monitoring Energy System	The HERMES project is a solution for measuring the performance of heat pumps and refregirator control systems by calculating the COP and monitoring energy consumption in real time.	Demonstration (TRL 7/8)	Protect concept Innovation	Industriel de Chauffage Entreprises
HERIFIX3D	Reinforced lime-based mortars with natural fibre combined with a 3D additive process for Heritage repairing applications	The main objective of the HERIFIX3D project is to unlock and upscale the possibilities of advanced lime-mortar materials dopped with natural fibres in a 3D additive manufacturing (AM) low-cost process for restoring built cultural heritage.	Prototype (TRL 6)	NGI SYSTEMS SRL	TESELA, Materiales Innovación y Patrimonio S.L.
HERO	High-performance Environmental Resources Optimization	HERO will apply innovative digitizing technologies to industry, associating in real time to production batches: measured resources consumption, calculated Co2 footprint, weighted scraps, workflow environmental variables, enabling an improved and more efficient use of resources.	Prototype (TRL 6)	OVERLAB SRL	Elmeg Iberica S.L.
HGSCS	Heat Generation and Storage Control System (HGSCS)	Creation of the HGSCS system for efficient energy management and minimization of negative environmental impact	Prototype (TRL 6)	AKRONOS Technologies Srl	LLC MAITEK PLUS

Funded projects 4/5



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Honey.AI	Automated digital microscopy, powered by image processing and AI, to revolutionize the Honey industry with enhanced and autonomous product's quality control	9-months demonstration project to allow deployment and assessment of the benefits provided by Honey.AI usage at Apisrom, the largest honey processing/packing SME at Romania. Honey.AI is the first digital microscope that allows on-site, fast, automated honey quality analysis	Demonstration (TRL 7/8)	SONICAT SYSTEMS SL	APISROM SRL
IA FMBCE	AI file manager for building and civil engineering	Reinventing Construction with Sustainable Technology.	Prototype (TRL 6)	KLETEL Multimedia	DEMATHIEU & BARD BAT ILE DE FRANCE
IntelliMove	IntelliMove: A Semantic-Enabled AGV with Vision and High Precision Navigation	IntelliMove: Empowering Dynamic Automation with Precision, Vision, and Endless Possibilities	Prototype (TRL 6)	SAS euroDAO	Fives Conveying
IoTNOW	IoT for the NON-Woven industry	The retrofit of traditional non-woven production lines by adding a cloud connectivity will allow a deep improvement of the global production efficiency (final product stability (<1% in weight variation), less scrap (-50%), ...) thanks to a much faster reaction time (-75%).	Demonstration (TRL 7/8)	Serel Industrie SA	Danspin UAB
MAIN	Mapping of industrial glass furnaces using optical fiber temperature sensors and cloud computing	The goal of MAIN is to interface the optical fiber-based temperature sensing solutions developed by B-Sens with the data communication and processing standards developed by Saint-Gobain so that the technology can be massively adopted by the group to instrument its furnaces.	Demonstration (TRL 7/8)	B-SENS SPRL	SAINT-GOBAIN CREE
ManuTwin	Demonstration of a Digital Twin for manufacturing to reduce product costs and resource consumption	The project ManuTwin includes a demonstration of a Digital Twin Technology for the metalworking industry with the objective of ensuring the long-term competitiveness and sustainability of manufacturing companies.	Demonstration (TRL 7/8)	gemineers GmbH	CAPPAUL S.A.
NEVER	Next-gEn Vision guided Robot	NEVER project is aiming at developing an innovative 3D robot guidance system to cope with the new challenges of production and disassembly of battery modules.	Prototype (TRL 6)	NOVASIS INNOVAZIONE SRL	COMAU FRANCE SAS



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PalletGuardAI	An Advanced AI-Driven Pallet Monitoring Solution Using Computer Vision and Deep Learning Technologies	PalletGuardAI revolutionizes warehouse management by automating pallet monitoring, leveraging AI, computer vision, and deep learning to measure dimensions, weight, and track unique labels.	Prototype (TRL 6)	New Generation Sensors srl	STEF ITALIA S.P.A.
Safe-Pro	Real-Time Muscle Fatigue Monitoring for Safety and Productivity Optimization in Manufacturing	EMG sensor-based muscle fatigue monitoring system for manufacturing employees, providing real-time data on fatigue levels, enabling managers to optimize work processes, introduce and validate robotic assistance where needed, and prevent fatigue-related incidents.	Prototype (TRL 6)	MindRove Kft.	Naval Group SA
SmartBumper	EXPERT SYSTEM BASED ON DIGITAL TECHNOLOGIES FOR OPTIMIZATION OF THE QUALITY CONTROL OF THE MANUFACTURING OF BUMPER CONTAINERS	Digital expert Robotiques cyborg and Metalurgicas RTB, from the auxiliary automotive industry, have joined efforts in SmartBumper, aimed at developing a smart platform based in AI, for the design and quality control of bumper containers, for improved efficiency and sustainability	Prototype (TRL 6)	Robotiques Cyborg	Metalúrgicas y RTB, S.L.
SSMARTINVENTORY	Smart Small Inventory	Smart inventory stops at the shelves our solution is a automatic inventory, connected to ERP/ MES. Gain No manual inventory, Time lost to locate items , Quality improvement, Product waste Our technology is a multi patented NFC based, precise to the cm.	Demonstration (TRL 7/8)	CENTILOC	komugi
SURE	Smart Utility for Real-time Efficiency	By enabling continuous monitoring, analysis, and optimization of Industrial machinery, SURE helps you identify inefficiencies, prevent breakdowns, and maximize productivity, all while reducing downtime and maintenance costs with a Cloud and ML-enabled platform	Prototype (TRL 6)	Noveo S.r.l.	Mannesmann Stainless Tubes GmbH
SWAM	SMART WARNING for ADDITIVE MANUFACTURING	This project aims to develop a tool that analyze and check geometries, and returns warnings if a check fails. The final objective is to support the improvement of the geometry itself, or validate any of design phase.	Demonstration (TRL 7/8)	Fast Computing srl società benefit	AIDRO srl a socio unico
TRACKY	Production of orthopaedic corset based on marked recycled material	TRACKY aims to 3D print orthopaedics corsets with controlled and tracked recycled material based on old corsets. The part incorporates information, collected digitally and automatically transferred from the materials onto the 3D model.	Prototype (TRL 6)	CREATE IT REAL	FADDTORY



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Get in contact with them!

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