

INTRANSIT

5th NEWSLETTER



In Transit project

In Transit aims to strengthen the resilience of textile, aerospace, advanced manufacturing and construction SMEs towards greener and more digital sectors with social and business model, with a mixed support mechanism including individual assessment support and a lump sum and coaching to ensure their consolidation and sustainability.

The project has a total budget of 5M€ from which 3M€ will be distributed using cascade funding to SMEs and will use 1M€ to provide services to SMEs to thrive their digital and green transition over a period of 36 months.

It aims to support the main objectives of the European Green Deal and EU SME Strategy and to boost competitiveness in EU regions, providing SMEs with support from incubation to scale-up of cross-sectoral solutions, focusing on circularity, digitalisation, and sustainability.

Strengthening the resilience of textile, aerospace, advanced manufacturing and construction SMEs towards greener and more digital sectors with social and business model

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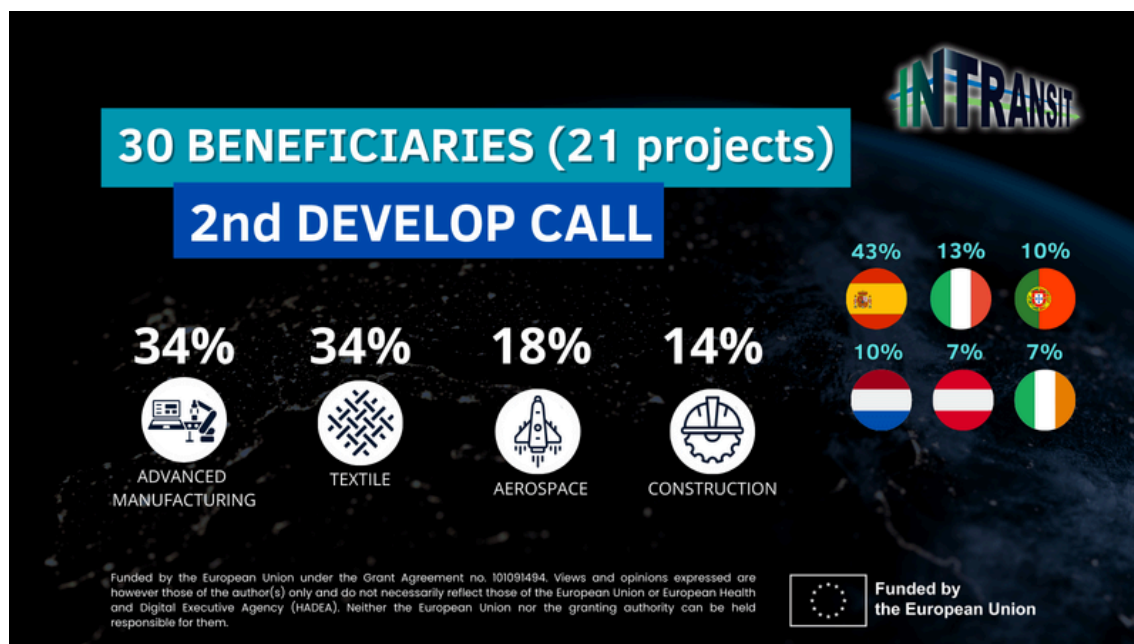
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2ND DEVELOP CALL RESULTS



The **In Transit second DEVELOP Call for Proposals** funded European innovative SMEs with more than **1.43M€** to support their sustainable projects in improved processes, products and new circular business models.

30 SMEs in 21 different projects received more than 1.43M€ to evolve their projects, as well as 50-hour coaching support to accelerate their launch to the market.

Spain, with 13 SMEs (43% of the total beneficiaries), was the first country in the ranking of the 30 SMEs beneficiaries, preceded by Italy (4), Portugal (3), Netherlands (3), Ireland (2), Austria (2), Belgium (2), and Finland (1).

Of the 30 SMEs awarded, 34% come from both the textile and the advanced manufacturing sector, 18% from the aerospace sector and 14% from the construction sector.

The In Transit consortium had evaluated 205 applications from 281 different EU SMEs between late January and early February 2025. In the end, 21 projects were selected as the best ones to be funded.

Of the 21 projects selected, 12 are individual and 9 in consortia. All of them will receive the lump-sum voucher of In Transit, a funding instrument that is addressed to SMEs that plan to develop sustainable solutions, as processes or products, due to the implementation of new circular business models.



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2ND DEVELOP CALL PROJECTS

These are the 21 projects beneficiaries of the 2nd DEVELOP Call for Proposals and the SMEs which are developing them:

AVTEX



CINPASA



MACCION



The AVTEX project revolutionizes textile manufacturing by integrating machine vision and AI for real-time defect detection in narrow fabrics, enhancing quality control and efficiency. This innovation reduces material waste, optimizes processes, and lowers the carbon footprint, driving sustainability and cross-industry applications.

ATHENA PICO



IENAI SPACE



IENAI [SPACE]

ATHENA PICO is an advanced electrospray propulsion system for picosatellites (<1 kg) using high-temperature ionic liquids (HTIL) to enable miniaturization and enhanced reliability. It offers efficient, scalable propulsion for space maneuvers, supports space sustainability through controlled deorbiting, and reduces mass and volume by 50%. The project strengthens Europe's position in space technology, addressing both propulsion needs and space debris challenges.

CIRCULARTECH



BLUE ROOM INNOVATION



BAWEAR SCORE



CircularTech is a digital platform for the textile sector that enhances traceability, efficiency, and waste management by promoting a circular economy. It combines Blue Room Innovation's Digital Product Passport (DPP) with blockchain for environmental tracking and bAwear's sustainability scoring system for real-time assessments of carbon footprint, water consumption, and waste. This solution fosters sustainability by optimizing recycling and reuse processes, leveraging years of research and validated technologies already in use.



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DELTA



DELTA INDUSTRIE



ACCESSORI PER MACCHINE UTENSILI

It involves integrating a modern laser marking machine into an existing working island, where pull studs, after being cemented and blackened, will exit hard-turned and marked, ready for packaging and shipment. By implementing this integration, the project aims to improve productivity, workforce wellbeing, and satisfaction. It will also free up valuable operator-hours currently spent manually marking pull studs.

ECOFILTER



FINSA JOB | GROUP



ECOFILTER repurposes manufacturing waste into recycled materials for filter products, promoting sustainability and a circular economy. The project focuses on designing high-performance products using recycled content, reducing landfill waste, and maintaining quality standards in the production process. Its goal is to minimize environmental impact and contribute to a more sustainable industry.

CutSmart



CROOM MEDICAL



BRIGHT CAPE



**CROOM
MEDICAL**



The CutSmart project enhances tool lifespan in advanced manufacturing by using machine learning to predict optimal tool changes, reducing scrap and conserving critical materials like Cobalt. It digitizes diverse data streams, supporting cost-effective, sustainable practices in aerospace and medical sectors.



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FIDELIS



INTROSYS

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Global Control System Designers

The FIDELIS project pioneers sustainable manufacturing by integrating Condition-Based Monitoring (CBM) with smart diagnostics to minimize surplus production and waste. By enhancing automation through iSent®, it advances zero-defect manufacturing, optimizing production planning and efficiency for SMEs in textiles and advanced manufacturing.

EOM3D.2



TASSANI & PARTNERS

H3D

This project introduces an innovative approach to mobile manufacturing by stabilizing advanced machinery inside moving vehicles, overcoming vibration and stability challenges. By adapting existing technologies, it enables on-the-go production, enhancing efficiency and flexibility across various industries.

Digi4BioMat



PEDONE WORKING



LEVERY

BIOMat[®]
canapa
materialiperbioedilizia by PEDONE WORKING



The Digi4BioMat project drives innovation by developing a bio-based building block with enhanced insulation using locally sourced agro-waste, reducing environmental impact. Digitalization is integrated through a Digital Product Passport (DPP) platform, ensuring lifecycle transparency and supporting circular business models.



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Plissade



LUIS MARIE

LUIS MARIE

Plissade creates a fully circular, modular acoustic partition from post-consumer textiles, eliminating the need for adhesives and non-renewable materials. It offers an eco-friendly solution for adaptable interiors, reducing waste and resource consumption while meeting sustainability standards.

TREE



STRUGGLE CREATIVE OY



Tree is a blockchain-based platform using shareable NFTs to ensure transparency and sustainability in the textile industry. It enhances traceability, supports circular practices, and empowers brands to meet EU sustainability goals, with plans for broader cross-sector applications.

VisionTex



ARISNOVA



CAMPOS MONTAVERNER

CAMPOS®

The VisionTex project transforms textile quality inspection with AI-driven computer vision, reducing defects by 80% and minimizing waste. By enabling real-time analysis and cross-sector scalability, it enhances efficiency and sustainability in manufacturing.



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WoolWalls



RUTEX



The WoolWalls project innovates by transforming low-quality wool waste into high-performance construction panels with acoustic, thermal, and air-purifying properties. By integrating traceability and eco-friendly finishes, it promotes circularity, reduces synthetic material use, and enhances sustainability in the textile and construction industries.

INOSCOPE



RICARDO DOMINGOS & BERGANO



The INOSCOPE project aims to address the growing congestion in Low Earth Orbits (LEO) by developing a cost-effective telescope solution using Commercial Off-The-Shelf (COTS) parts. It includes optical sensors and proprietary software for image processing of resident space objects (RSOs), coupled with customized observational strategies. This system is designed to monitor space debris and satellite collisions, offering an innovative and accessible solution for tracking objects in orbit.

DREAM



MATERSIA



SPACENGINEER



The DREAM project advances sustainability in aerospace by developing bio-based composites and coatings for delivery drones, reducing carbon footprint and material use. Through digital manufacturing techniques like LFAM, it enhances durability, recyclability, and circular business models, aligning with the European Green Deal.



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PERFECT



I-DEAL



The PERFECT project uses AI and image analysis for automated, precise garment size validation, reducing defects, waste, and costs. It supports zero-defect manufacturing, enhancing sustainability with a 280-ton CO₂ reduction annually.

ECO-SPIN



DÚCTEL



ECO-SPIN is a project focused on making air-textured yarn (ATY) production more sustainable. By using advanced digital solutions and real-time monitoring, it reduces energy consumption, waste, and improves efficiency. The project integrates predictive maintenance and recycling to support a circular economy, enhancing sustainability while making the industry more competitive. It aligns with EU Green Deal goals and sets new standards for eco-friendly textile manufacturing.

FO-CEL



HEIQ AEONIQ



FLUVICON

HeiQ AeoniQ™



fluvicon
curator aquarium

This project pioneers sustainability by integrating forward osmosis technology into the HeiQ AeoniQ™ spinning process, reducing energy consumption and environmental impact. By optimizing recycling in biodegradable filament production, it enhances efficiency and positions HeiQ and fluvicon as leaders in sustainable textile manufacturing.



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VBOX



VBOX LIMITED



VBOX is a remote, portable network solution that transforms satellite assembly by enabling off-site integration testing, reducing costs, travel, and emissions. The project aims to advance VBOX from TRL 4 to TRL 5/6, enhancing efficiency and sustainability in the aerospace sector through collaborative validation across Europe.

D-DOGSE



SOLARMEMS



CUBICOFF



The D-DOGSE project focuses on innovation through additive manufacturing and topology optimization, enhancing the design's versatility and lightweight properties. Digitalization is integrated via advanced thermal dissipation and optical simulations. Sustainability is addressed by optimizing material use and improving efficiency in thermal-vacuum conditions.

Sort Mate



TROSORT



ICA



SortMate revolutionizes textile circularity by automating sorting with AI, 360° imaging, and NIR sensors, boosting efficiency and resale value. It supports EU circular economy goals, increasing revenue and compliance while reducing waste.



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COMMUNICATION SURVEY



Thank you for engaging with the In Transit project!

We are committed to providing clear and effective communication to support EU SMEs in the textile, aerospace, construction, and advanced manufacturing sectors, so that we kindly ask for a few seconds of your time to complete our **Communication Satisfaction Survey**.

To help us improve, we kindly ask you to answer a few questions about your satisfaction with the project's communication. Your feedback will help us better meet your expectations.

Thank you for your valuable contributions to the In Transit project!



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