RAISE

Regional Artificial Intelligence and Immersive System Enabler

Accelerating the uptake of advanced digital technologies by SMEs in the manufacturing sector

INTERREG Policy Objectives
A Smarter Europe

Specific Objectives: Research and innovation capacities, uptake of advanced technologies
Duration: 4 years
Call Closing: June 7th 2024
Call Information: Interreg programme manual

Digital transformation is a key factor in strengthening the competitiveness of SMEs in the manufacturing sector. Developments in artificial intelligence (AI) and immersive technologies such as virtual reality (VR) and augmented reality (AR) can unlock new potentials for SMEs, enabling them to innovate and compete on a larger scale.

WHAT IS RAISE?

The main goal of RAISE is to improve policy instruments that target digital transformation for SMEs within the partner regions. This will be achieved through the development and enhancement of the research and innovation capacities of our project partners, brought about by sharing best practices and capitalising on what works. Ultimately, RAISE will result in accelerating the uptake of advanced technologies, amongst SMEs in the manufacturing sector.
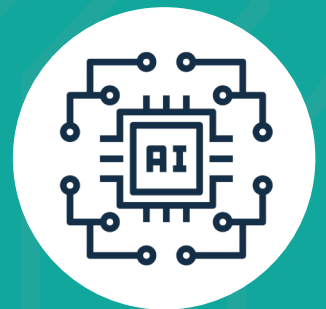

| target digital transformation in partner regions | develop and enhance research and innovation capacities | share best practices and capitalise on what works | accelerate the uptake of advanced technologies |

PROJECT AIMS

This proposal addresses the need to tackle innovation capacities imbalances in an integrated way by sharing experience amongst partners and validating strategies that accelerate the uptake of advanced digital technologies, tools and solutions. RAISE will be a learning process which involves identifying, analysing and transferring good practices with the aim of improving regional development policy instruments and ultimately delivering solutions that enhance the competitiveness of SMEs in the manufacturing sector.

OVERVIEW

Indicators of success will include the project partners contribution to exchanging experience in integrating digital technologies, specifically AI, VR and AR into SME business processes. In addition, RAISE will create a network of regionally connected partners that will facilitate the validation of the projects roadmap for integrating AI, VR and AR technologies, into business process that are common to the manufacturing sector (graphic 1).

Each project partner needs to identify one policy instrument (relevant to their region) that they will address, it can be local, regional, or national. All policy instruments addressed by the project must by aligned with the main objective of the RAISE project.

Drawing form the experience and best practice of the project partners RAISE will map the capabilities of artificial intelligence and immersive technologies to standard business processes (graphic 1), in the manufacturing sector. A roadmap for implementing the enhanced business processes, will be validated through pilot actions in each partner region.

tackle innovation capacities imbalances in an integrated way

deliver solutions that enhance SMEs competitiveness

share experience amongst partners and validate strategies

improve regional development policy instruments

GRAPHIC ONE

RAISE will map the capabilities of artificial intelligence and immersive technologies to standard business processes in the manufacturing sector.

Product Development and Design

Supply Chain Management

Production Planning and Scheduling

Manufacturing and Assembly

Quality Control and Assurance

Maintenance and Equipment Management

Inventory Management

Environmental and Safety Management

Customer and After-sales Service

Shipping and Logistics

PROJECT NEEDS

We are specifically looking for partners with expertise in **AI**, **AR**, **VR**, and **business analysis within ICT and manufacturing**, as well as those with **strong industry engagement capabilities** or **access to enterprise and industry networks**. Your collaboration will be pivotal in developing and validating a roadmap for integrating digital technologies into SMEs' business processes, enhancing their competitiveness and innovation capacity.