

4STEPS



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Towards the application of
Industry 4.0 in SMEs



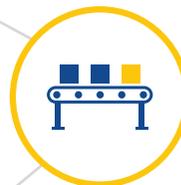
This transnational cooperation project is funded by Interreg CENTRAL EUROPE and aims to improve skills and entrepreneurial competences for economic and social innovation.

The 4STEPS project is addressing the main challenge of Industry 4.0 (I4.0) as a tool towards a new, digital industrial revolution holding the promise of increased flexibility in manufacturing, mass customisation, increased speed, better quality and improved productivity, and its development is supporting the RIS3 in the target regions in different sectors.

The Four Industrial Revolutions



Industry 1.0
Mechanization and
introduction of steam
and water power



Industry 2.0
Mass production
assembly lines using
electrical power



Industry 3.0
Automated production,
computers, IT-systems
and robotics



Industry 4.0
The Smart Factory.
Autonomous systems.
IoT, machine learning

PROJECT PARTNERS

Austria
Czech Republic
Hungary
Poland
Slovenia
Germany
Italy



4STEPS has 8 project partners from 7 countries

PROJECT FIGURES



7

COUNTRIES



8

PARTNERS



1710571

MILLION ERDF



2085368

MILLION BUDGET

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4STEPS will lead to an improved level of innovative production methods and application of I4.0 thanks to the development of a Catalogue development of main possible services offered, a Technology Maturity Level Index, a Transnational Action plan and the creation of the Digital Innovation Hubs, tested during the pilot actions. Within this approach of networking, 4STEPS will include also a solution preparing the CE citizens towards the digital future during targeted workshops for digital skills improvement. The project approach developed within the 4STEPS project will consider the Industry 4.0 plans applied in the CE countries, which are linked to the digitalised production system, that will result in a wide range of changes in manufacturing processes, outcomes and business models.

Central Europe can gain decisive competitive advantages internationally if it is capable to generate a wave of bottom-up digital innovations involving all industrial sectors and all the quadruple helix actors. The digital revolution brings opportunities for small companies, but many of them still find it difficult to know in which technologies to invest and how to secure financing for their digital transformation. More than 90% of SMEs feel lagging behind in digital innovation. Similarly, there are strong digitisation discrepancies among industrial sectors and regions. The DIH transnational network can help ensure that every company, small or large, high-tech or not, can grasp the digital opportunities. DIHs act as one-stop-shops where companies -especially SMEs- can get access to technology-testing, financing advice, market intelligence and networking opportunities at transnational level, as stated and supported also by the CE in the latest initiatives launched.

I4.0 supporting tool catalogue

The 4STEPS partnership has successfully elaborated an I4.0 supporting tool catalogue which is available in pdf format and in google classroom as well. The catalogue intends to collect the possible services provided by project partners in relation with the nine technologies of Industry 4.0 (Big Data, Augmented Reality, Simulation, Internet of Things, Cloud Computing, Cyber Security, System Integration, Additive Manufacturing, Autonomous Systems).

This supporting catalogue will be useful to improve the level of innovation, business and economic development in all the central Europe countries and beyond, identifying the most suitable solutions options for the companies interested in I4.0 applications.

To learn more about the catalogue and get access, please follow the following link or scan the QR code.

<https://www.interreg-central.eu/Content.Node/4STEPS/I4-0-supporting-tool-catalogue.html>

