



Issue 2

Date of sending

## 4STEPS newsletter

Welcome to 4STEPS second newsletter. The 4STEPS project is addressing the main challenge of Industry 4.0 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. Companies in the target regions are lagging behind in the adoption of innovative tools and solutions proposed by Industry 4.0 revolution and need to increase transnational cooperation in facing this challenge.

In the second period 4STEPS partners have successfully prepared a Mapping report, which includes identifying the different methodologies oriented to enable the approach of RIS3 small companies to the issues of Industry 4.0. These methodologies include mapping the contents of Industry 4.0, focusing in particular on the priorities of the national and regional plans, as regards the needs of SMEs, i.e. a correlation among the 9 technologies of Industry 4.0 (Big Data, Augmented Reality, Simulation, Internet of Things, Cloud Computing, Cyber Security, System Integration, Additive Manufacturing, Autonomous Systems) and their redefinition as regards needs, prospects and scenarios of RIS3 business sectors.

The second important deliverable from the second period is a Transnational Catalogue Of I.4.0 Towards SMEs Support, which intends to collect the possible services provided by PPs in relation with Industry 4.0. The Catalogue will be made available to companies so that they can find a correlation between their need of innovation and the 9 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 tool 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 pillars application



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## 4STEPS NEWS



### 1ST PROJECT MEETING

Liberec, Czech Republic - 15th - 16th October 2019

We had our first official project meeting. We discussed the work done after the kick-off meeting. We are happy to announce that the project is progressing...

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### CNA will organize a visit to B-REX

Italy - Date: as soon as the COVID 19 emergency ends

The participants will have the chance to observe its pilot production plant and ...

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### RESINDUSTRIES' Interregional Workshop

Vorarlberg, Austria - 4th March 2020

FHV, in person of Mr. Florian Maurer, presented the Austrian 4Steps survey results about the dimensions of Industry 4.0 in the region of Vorarlberg.

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### Summit Industry 4.0 Austria

Austria - 12th December 2019

The annual conference of the Plattform Industrie 4.0 Austria takes place this year under the motto: "regional - together - successful".

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### The Artificial Intelligence and Automotive Industry conference

Hungary - 18th October 2019

The specialty of the event was primarily presented by the invited and respected speakers of digitalisation and innovation - Audi, Jaguar, Land Rover, Kuka Robotics, Fraunhofer Institute, Dibuco GmbH, etc.

They demonstrated the role of artificial intelligence (AI) in practice, as well as the present and future role of it in the automotive industry, with adding international trends.

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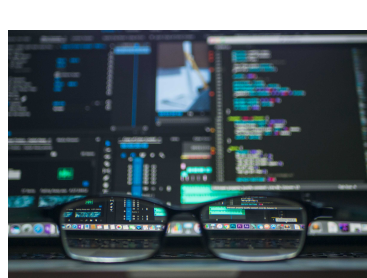
### RIS3 Forum

Liberec, Czech Republic - 18th September 2019

The development of research and innovation was discussed in Liberec. And we were there.

We presented the 4STEPS project at the RIS3 Forum. The conference was organized by the Liberec Region and its aim was to motivate companies and other subjects to research and innovate.

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### INTERACTIVE SESSION ON 'DIGITAL SKILLS FOR ALL'

Austria - POSTPONED

Due to the Covid-19 crisis, we have to postpone the Austrian workshop/interactive session on "Digital skills for all: Grasping the life of man - how innovation can succeed in the digital age". We will inform you about a new date immediately.

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## WEBSITE UPDATE

We have made a website update with new information and events. If you want to know more about the project, please click the button below.

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## MORE OF INDUSTRY 4.0 NEWS



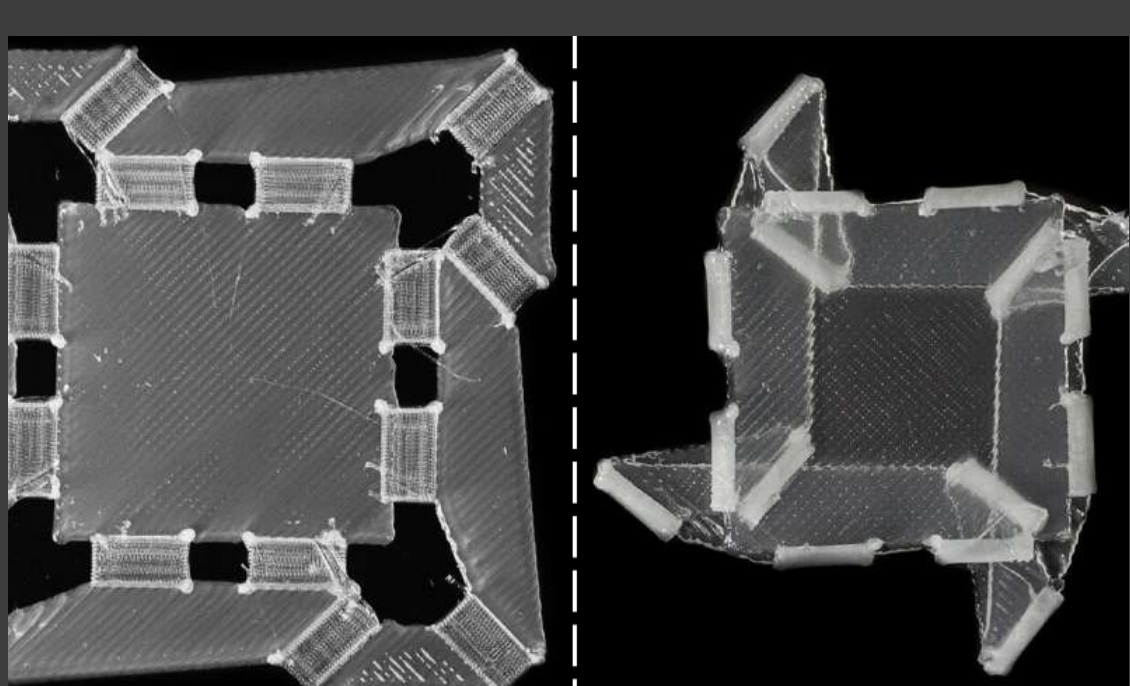
### Top 10 Digital Transformation Trends For 2020

Over the last few years, most discussions about the next year's Digital Transformation trends had begun to feel like the repetitive: Cloud, Edge Compute, the IoT, AR... It always seemed like the same chairs being rearranged around the same old room. 2020 will be a departure from that. While the same core technologies that dominated these discussions will continue to be foundational to our collective digital transformation journey, 2020 will be defined by a fresh new class of technologies ready to graduate to the sidelines to center stage. Among them: 5G, AI, advanced data analytics, but also some that may surprise you. Without further ado, here are the 10 among them that I believe will be the most significant in 2020.

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## Self-folding 'Rollbot' paves the way for fully untethered soft robots

The majority of soft robots today rely on external power and control, keeping them tethered to off-board systems or rigged with hard components. Now, researchers from the Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) and Caltech have developed soft robotic systems, inspired by origami, that can move and change shape in response to external stimuli, paving the way for fully untethered soft robots.



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