



EIT Manufacturing Hub Czech Republic

Petr Šamánek | CIIRC CTU



**CZECH INSTITUTE
OF INFORMATICS
ROBOTICS AND
CYBERNETICS
CTU IN PRAGUE**

EIT Manufacturing

- Part of the European Institute of Innovation & Technology (EIT) – Knowledge and Innovation Community (KIC)
- **Vision: Global Manufacturing innovation led by Europe**
- Connects the leading manufacturing actors in Europe
- A strong interdisciplinary and trusted community





- European innovation community

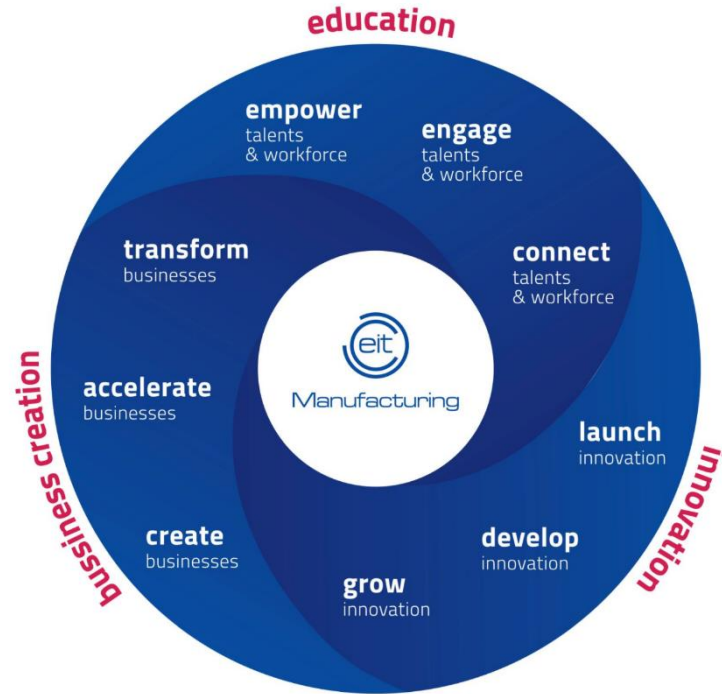
>60 members, 17 countries



- Companies, universities, research institutes that cover the entire product lifecycle and the entire value chain in key added-value industrial sectors



EIT Manufacturing Programmes



Selected EIT Manufacturing Activities

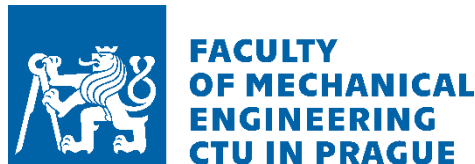
- Innovation and innovation-driven research
 - MIT.CON 2020 – Manufacturing. Innovation. Technology. Conference
 - Ideation Connection
 - Pandemic response activities: Open Call Covid-19
- Education Activities
 - Master School
 - Doctoral School
 - Guided Learning Platform
 - Teaching and Learning Factories
- Entrepreneurship and Business Creation
 - EIT Jumpstarter
 - BoostUp!



EIT Manufacturing Hub Czech Republic



- The only Czech EIT Manufacturing Core Member
- Activities are implemented at FME and CIIRC



EIT Manufacturing Hub Czech Republic

- **Interaction** point between EIT Manufacturing and local actors in the Czech Republic
- Raising **awareness** of EIT Manufacturing and its opportunities
- Promoting EIT Manufacturing with **networking and communication activities**
- Stimulating **digital transformation**
- Providing **support for entrepreneurs, start-ups and spin-offs** interested in EIT Manufacturing



CIIRC CTU

- Supports industrial and AI ecosystem
- Two core assets in this effort:

→ **Testbed for Industry 4.0**

A unique research facility for development and testing of innovative solutions for smart factories and distributed production

→ **National Centre for Industry 4.0**

An open platform connecting academia, industry and professional associations

www.ncp40.cz



NATIONAL CENTRE
FOR INDUSTRY 4.0



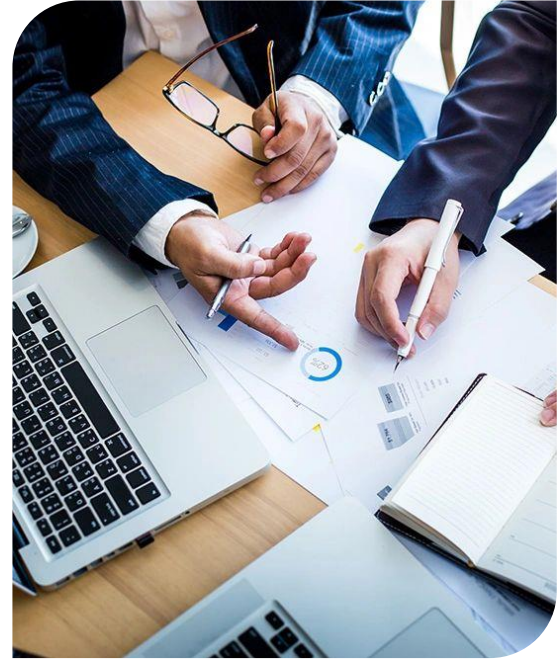
Selected Activities in 2020

- **Networking and events:** National Industry Summit 2020
- **Trainings and seminars:** Production Planning Seminar, Educational seminar for the National Pedagogical Institute
- **Matchmaking and Development:** engagement of SMEs in EIT Manufacturing Call for Proposals 2021
 - ✓ Presentation of idea pitches in the pre-matchmaking events
 - ✓ Identifying interested parties for the projects



Service: Digital Maturity Assessment

- Digital Maturity Assessment leads the Czech companies through the **first steps of the creation of digitization strategy** by assessment of the current status and pinpointing of the promising opportunities including recommendations as an input for the digitization roadmap
- **More than 30 participating companies**



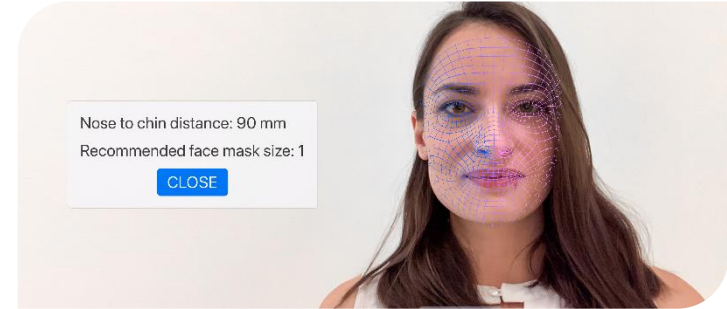
Success Story: Support for a Czech Company

- **TRIX Connections:** a start-up company
- Development of protective half-mask for injection molding
- Face-scanning smartphone app allowing for a customized selection of mask seals to ensure a perfect fit



Supported within the sub-call under
EIT Manufacturing DigTrafoRIS Project

- Digital solution for customization



EIT Manufacturing Hub Czech Republic - VIDEOS



Presentation of the EIT Manufacturing Hub Czech Republic and its selected activities:

<https://www.youtube.com/watch?v=OyXlcGpLm-s>



Presentation of recent results in intelligent machine perception and their potential applications in manufacturing:

<https://www.youtube.com/watch?v=PN89laHcbD0>

EIT Manufacturing Call for Proposals 2022

- Activity proposals in the areas of education, innovation, business creation, and RIS
- Become a member of the EIT Manufacturing association as an “Activity Partner”
- Call Deadline: **7 May 2021**

<https://eitmanufacturing.eu/call-for-activity-proposals-2022/>

HEI Initiative

- Innovation Capacity Building for Higher Education
- Pilot Call for Proposals from higher education institutions
- Consortia of EIT and non-EIT partners
- Call Deadline: **25 May 2021**

<https://www.eit-hei.eu/>

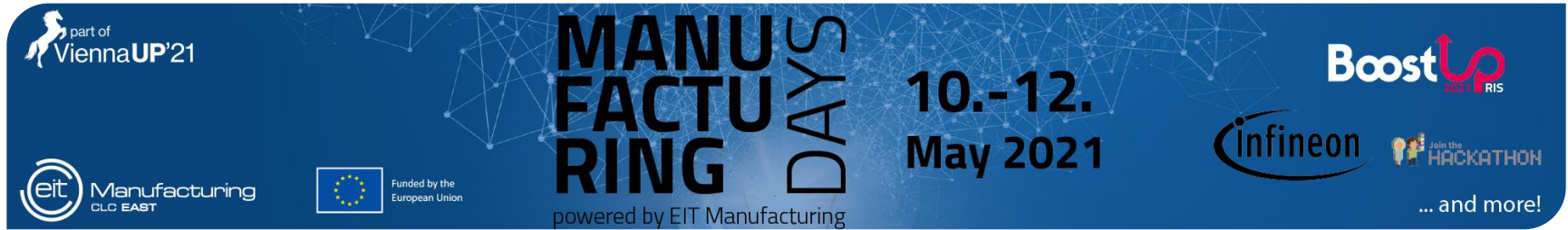
EIT Jumpstarter

- One of the most well-known European pre-accelerator programmes
- Designed for early-stage innovators who want to gain traction and jumpstart their business
- Open to students, PhDs, researchers or entrepreneurs.
- Competition for first prize of up to 10.000€ - turn ideas into business

<https://eitjumpstarter.eu/>



Manufacturing Days powered by EIT Manufacturing



The banner features a dark blue background with a white network pattern of dots and lines. On the left, it says 'part of ViennaUP'21' with a white horse icon. Below that is the 'eit Manufacturing CLC EAST' logo. In the center, the text 'MANUFACTURING DAYS' is written in large, bold, white letters, with 'powerd by EIT Manufacturing' underneath. To the right of this text, the dates '10.-12. May 2021' are displayed in white. Further right, there are logos for 'BoostUp 2021 RIS' (with a red 'Up' icon), 'infineon' (in a black oval), and 'Join the HACKATHON' (with a lightbulb icon). At the bottom right, it says '... and more!'.

- Program for and with start-ups in the manufacturing industry
- Inspiring keynotes, virtual hackathon
- EIT Manufacturing BoostUp! RIS 2021 Competition

<https://manufacturingdays.viennaup.b2match.io/>

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