



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 is led by Europe

- Connects the leading manufacturing actors in Europe.
- A strong interdisciplinary and trusted community





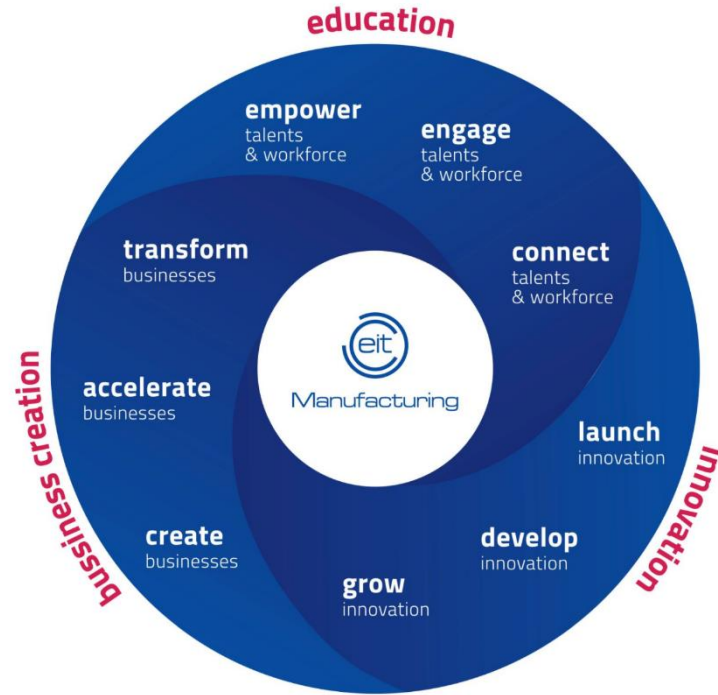
- European innovation community:

>60 members from 17 countries



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

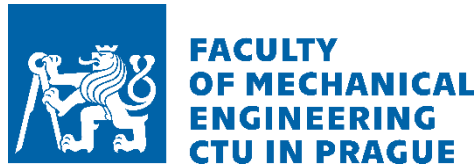
EIT Manufacturing Programmes



EIT Manufacturing Hub Czech Republic



- The only Czech EIT Manufacturing Core Member
- Activities are implemented through 2 parts:



EIT Manufacturing Hub Czech Republic

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



CIIRC CTU

- Supports Industrial and AI ecosystems
- Two core assets of 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



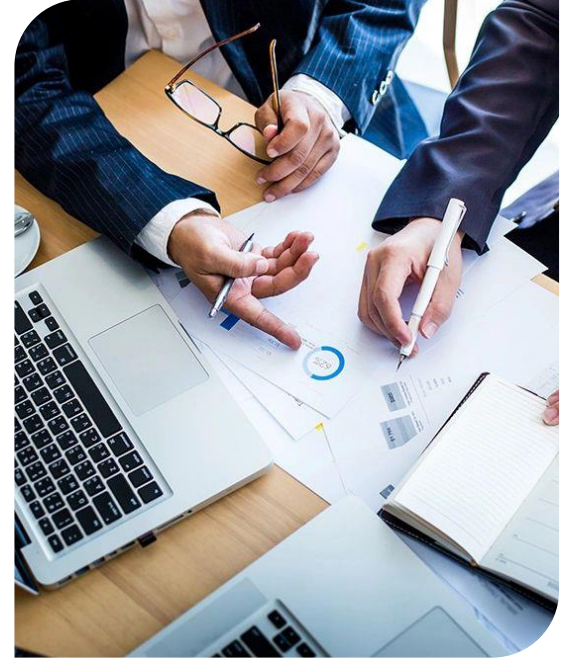
Selected Activities of the Hub in 2020

- **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**



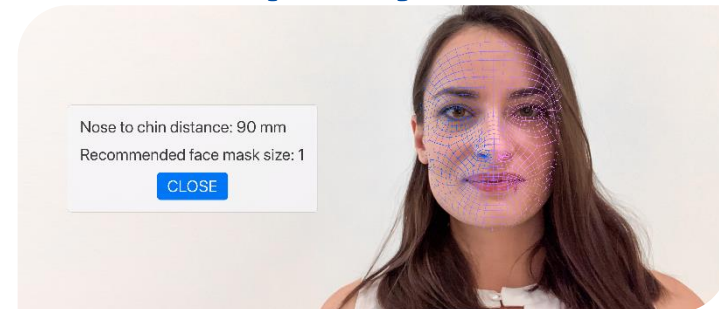
Success Story: Support for a Czech Company

- **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”
- Deadline of the pre-call: **22 March 2021**

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

EIT Jumpstarter 2021

- 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.
- Deadline for submitting business ideas: **16 April 2021**
- Competition for the whopping first prize of up to 10.000€ - turn ideas into business

<https://eitjumpstarter.eu/>



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