



# The EIT's vision

**To become a global innovation leader  
delivering world-class solutions to  
societal challenges, creating jobs and  
improving people's lives.**



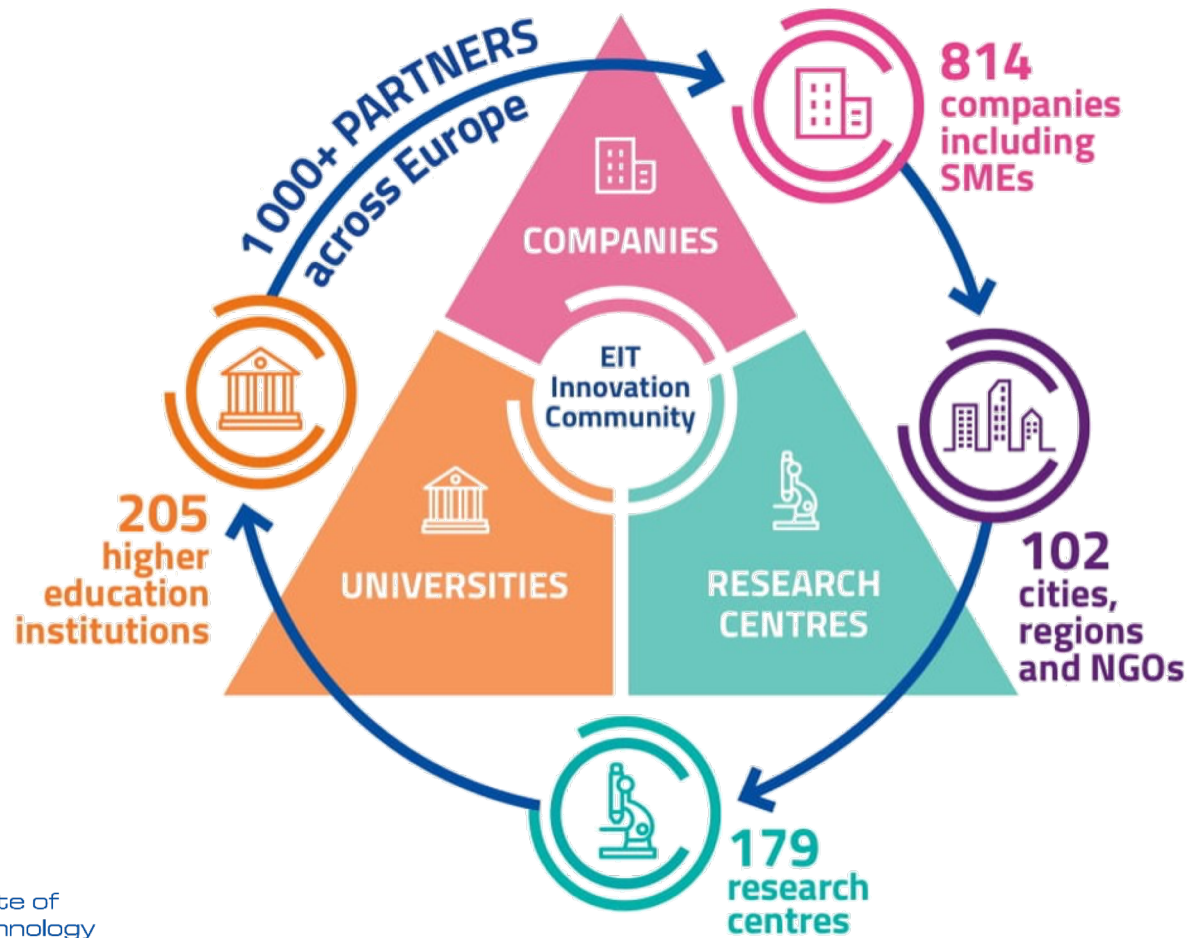
European Institute of  
Innovation & Technology

# Impact - EIT Community's overarching principle



European Institute of  
Innovation & Technology

# Europe's largest innovation community



# EIT Community - focus on societal challenges



European Institute of  
Innovation & Technology



Aalto University

Industrial Internet  
Campus



Manufacturing

**Inspire the creation of  
globally competitive  
and sustainable  
manufacturing**



# EIT Manufacturing has six strategic objectives

## STRATEGIC OBJECTIVES

1. Excellent manufacturing skills and talents
2. Efficient manufacturing innovation ecosystems
3. Full digitalisation of manufacturing
4. Customer-driven manufacturing
5. Socially sustainable manufacturing
6. Environmentally sustainable manufacturing

## PROGRAMMES

**Education** Empower  
Connect  
Engage

**Innovation** Launch  
Develop  
Grow

**Business  
Creation** Create  
Accelerate  
Transform

# Goals of EIT Manufacturing by 2030

## GOALS BY 2030



Create and support **1000** start-ups



**50 000** people trained and up- or re-skilled



**60%** of manufacturing companies adopt sustainable production practices



Create **360** new solutions



**EUR 325 million** investment attracted by EIT Ventures



**30%** of material use is circular

# EIT Manufacturing Partners

## Austria:

- TU Wien
- Atos
- Magna
- Voestalpine

## Belgium:

- OCAS-ArcelorMittal

## Czech Republic:

- Czech Technical University

## Estonia:

- University of Tartu

## Finland:

- Aalto University

## France:

- CEA
- CT-IPC
- Arts et Métiers Paris Tech
- Aerospace Valley
- ESI Group
- FIVES

## Germany:

- TU Braunschweig
- TU Darmstadt
- Bremer Institut für Produktion und Logistik
- German Research Center for Artificial Intelligence
- Festo
- KUKA
- Siemens
- Stryker
- Volkswagen

## Greece:

- Laboratory for Manufacturing Systems and Automation

## Ireland:

- University College Dublin

## Lithuania:

- LINPRA

## Portugal:

- Institute for Systems and Computer Engineering, Technology and Science
- Sonae

## Italy:

- Polytechnic University of Milan
- Polytechnic University of Turin

- Arduino
- Avio Aero
- Brembo
- COMAU
- PRIMA
- Whirlpool Europe

## Slovakia:

- Slovak University of Technology
- Spinea

## Spain:

- IK4 Research Alliance
- Tecnalia

- Aernnova
- ITP Aero
- Mondragon

## Sweden:

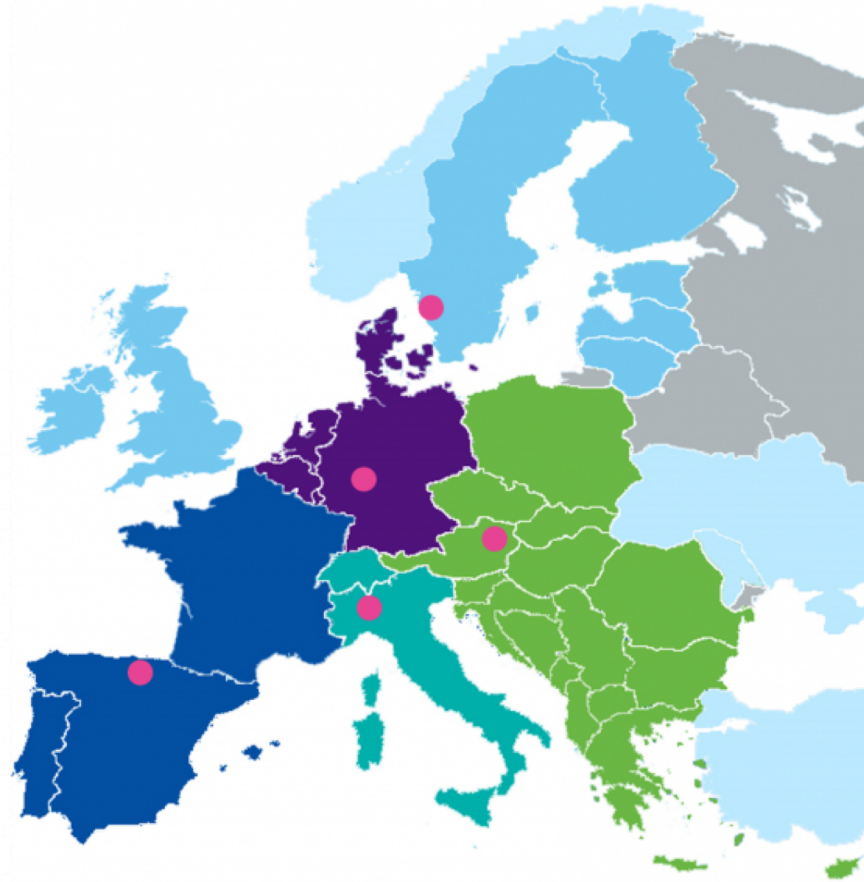
- Chalmers University of Technology
- Research Institutes of Sweden
- Sandvik Group
- Volvo

## The Netherlands:

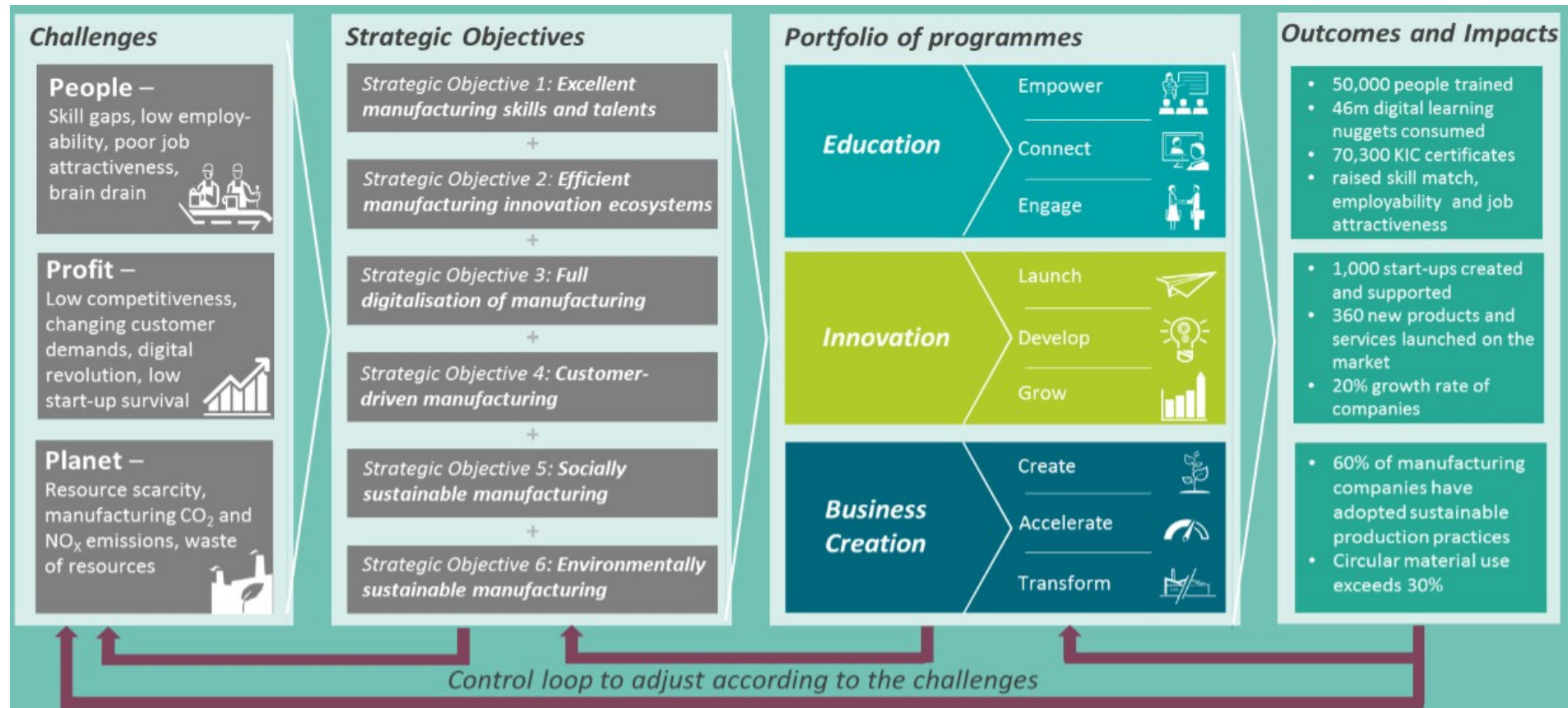
- TU Delft
- Accell Group



# EIT Manufacturing in Europe



# EIT Manufacturing strategy and implementation plan



# EIT Manufacturing Flagships

## People and robots for sustainable work

- Human-robot collaboration
- Mobile connectivity
- Exoskeletons
- ...



## Additive manufacturing for full flexibility

- Supply & produce on demand
  - Multimaterial printing
  - Subassembly printing



## Zero-defect manufacturing for a CE

- Digital twins and dematerialisation
- Eco-design
- Additive manufacturing



## Platforms for digitalised value networks

- Deployment of digital platforms
- AI applications for SMEs in value networks
- Improving digital platform integrator base in Europe



# Education Programmes

Education programmes explicitly empower European companies with people that are capable and inspired to shape the future of manufacturing

## Empower Program

- Bachelor/Master/PhD programmes
- Professional trainings at workplace
- Professional training around workplace

## Connect program

- Create Guided Learning Platform
- Create Nuggets
- Interact with Learning / Teaching Factories

## Engage Program

- Engage Society
- Engage Pupils
- Cross-Industry Engagement



Aalto University

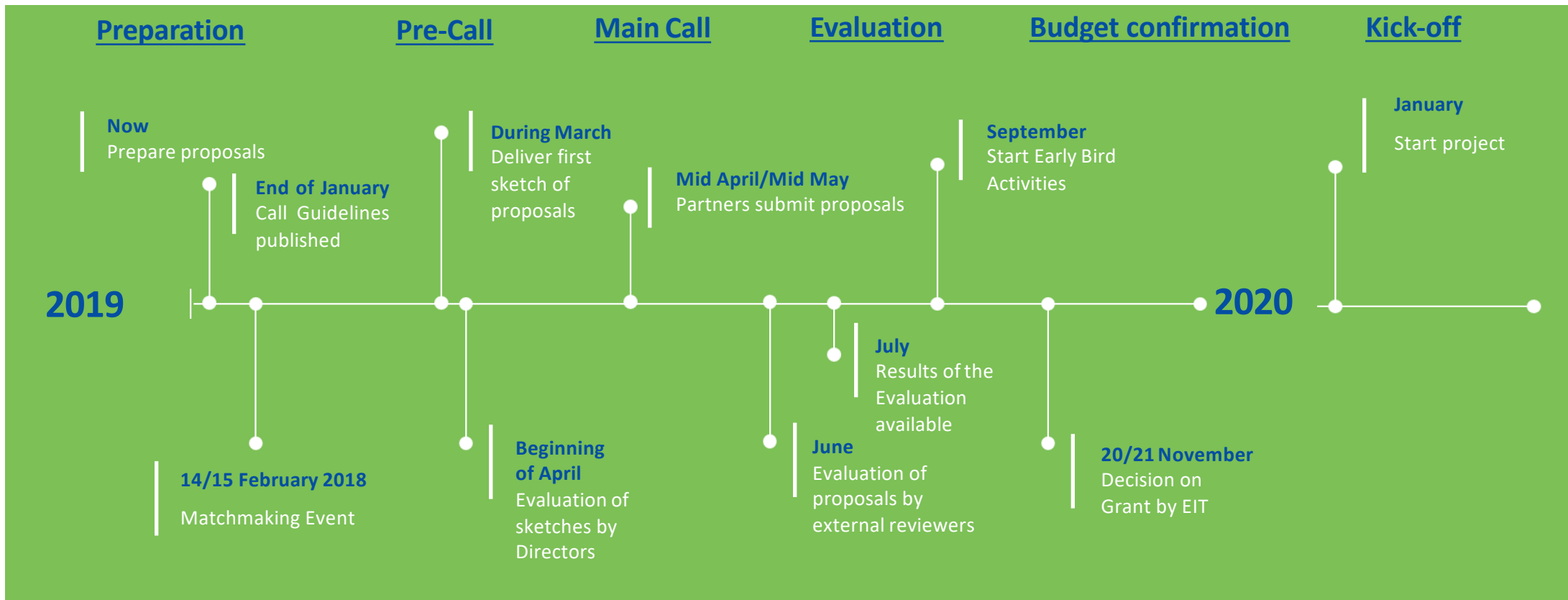
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Manufacturing

**OPEN CALL! 2019**

# EIT Manufacturing: 1st Call



# Thematic area and principles

EIT Manufacturing targets to attract proposals for a total EIT Grant of **€30-35m in 2020**.

