



# Be part of the change



[eitmanufacturing.eu](https://eitmanufacturing.eu)

Empowering global  
manufacturing innovation



## Our vision

Global manufacturing innovation led by Europe



## Our mission

Bring together manufacturing actors across Europe to integrate innovation and education for an entrepreneurial and sustainable Europe.



## A powerful innovation ecosystem

EIT Manufacturing was established in 2019 with a vision that global manufacturing will continue to be led by Europe. Faster innovation can improve everyday life globally, help meet Europe's ambitious climate goals, and ensure that its workforce is ready for tomorrow's challenges.

EIT Manufacturing's mission, to bring together manufacturing actors across Europe, is made possible by its growing network of top-tier industrial partners, leading academic and research institutions from across the region and innovative startups, scaleups and SMEs.

As it works to connect manufacturing actors, EIT Manufacturing has a goal of engaging more than 70,000 SMEs. EIT Manufacturing's alliances with its partners are enhanced by strong links to regional governments, Digital







Innovation Hubs, clusters, industry associations and accelerators.

Through its partnerships with key financial institutions, at both the national and European level, EIT Manufacturing also works to ensure high value-creation and ease the investment necessary to turn research into industry-ready solutions and bring innovations to the market.

A key means of transforming knowledge into value is by overcoming the fragmented nature of many innovation networks. In order to ensure that innovations reach the market, industry has the right talent and entrepreneurs can thrive, EIT Manufacturing connects and integrates the areas of education, innovation and business creation. This ensures the right ideas, knowhow and infrastructure are in place to transform and improve the way we make things.



## Goals by 2030

-  **30%** of material use is circular
-  **60%** of production uses sustainable practices
-  **360** new solutions created
-  **€325M** investment attracted by EIT ventures
-  **50,000** people trained and up- or re-skilled
-  **1,000** startups created and supported

## Linking key regions

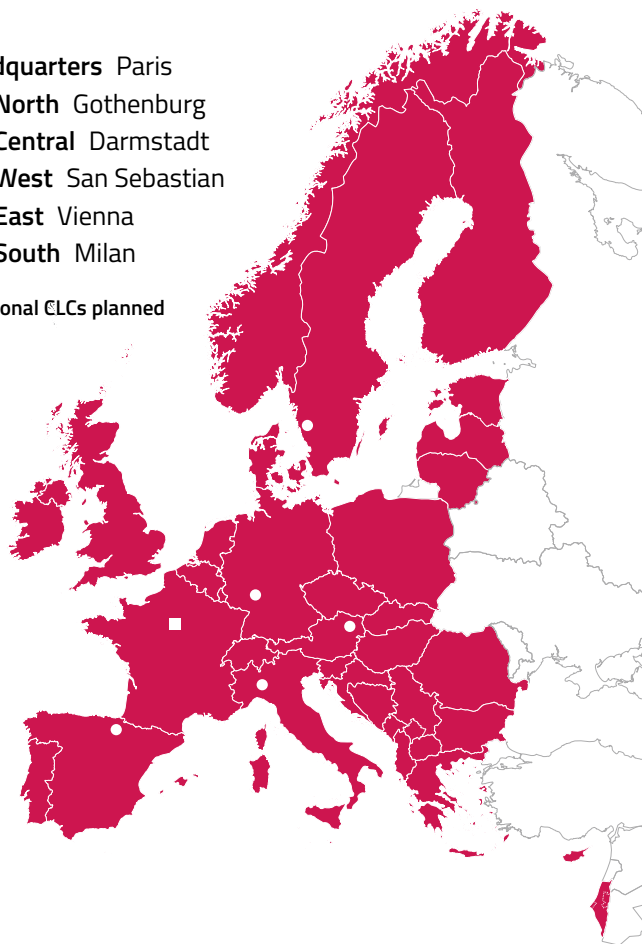
EIT Manufacturing's Co-Location Centers (CLCs) are strategically situated to link regions with high levels of manufacturing activity and advanced technology.

Meanwhile, EIT Manufacturing's Regional Innovation Scheme is designed to overcome disparities between regions by strengthening the local innovation ecosystems in countries that are moderate or modest innovators. These areas are connected through dedicated programmes and by strengthening links between key innovation actors.

Through its growing partnership and alliances across the world, EIT Manufacturing's reach is global.

**Headquarters** Paris  
**CLC North** Gothenburg  
**CLC Central** Darmstadt  
**CLC West** San Sebastian  
**CLC East** Vienna  
**CLC South** Milan

**Additional CLCs planned**



# Focused on high-value challenges

EIT Manufacturing programmes and activities are designed to accelerate the rate at which scientific advances can be turned into marketable innovations. This is done by homing in on solutions with high technology-readiness levels (TRL).

To ensure a focus on strategic areas with strong innovation potential, EIT Manufacturing works hand-in-hand with industry and academic and research institutions in its partnership network, to define key areas that will shape the future of manufacturing. These evolving 'flagship' areas include important industry challenges, such as flexible production systems, digital and collaborative solutions,

low-environmental footprint systems, the circular economy, green manufacturing, and human-machine co-working. These activities form a basis for the projects funded by EIT Manufacturing through its annual call.

The work of defining high-value challenges offers a roadmap to the technologies that are set to define the factory of the future – and ensures that industry is prepared for a green and competitive future that is socially and environmentally sustainable.

The majority of EIT Manufacturing's operational budget – roughly €400 million until 2026 – is dedicated to funding projects that turn research into industry-ready solutions.

## A strong European industry is key to prosperity and innovation

Europe is the birthplace of industrial production, which continues to power the region's prosperity. EIT Manufacturing's strategy is designed to ensure that European industry is able to innovate continuously and is prepared to meet the ongoing green and digital transitions.

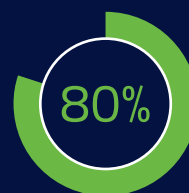
A strong, innovative industrial sector is essential to ensuring prosperity and meeting EU goals for the economy, society and the environment. This is why EIT Manufacturing supports the goal of making Europe a climate neutral continent by 2050, while sharing the EU-priorities of ensuring that Europe is ready for the digital age and that its economy works for its people.



jobs



of total EU  
value added



of exports



of European firms  
are SME's

Source: *A new Industrial strategy for a globally competitive, green and digital Europe*, European Commission, March 2020.



# As technology changes almost exponentially, at EIT Manufacturing we map out a way forward

Success is no longer decided by a narrow technology focus, but rather by a clear vision and the capacity to adapt.

As a Knowledge and Innovation Community (KIC), EIT Manufacturing continuously works to identify emerging innovation hotspots and map out enabling technologies. Part of that effort involves technology radar and visioning work, which identify innovations with the highest

technology-readiness levels (TRL) and potential to transform manufacturing.

This work not only supports EIT Manufacturing in selecting promising research projects and startups but also supports our industrial and research partners by helping them visualise the future of manufacturing and structure their research and technology roll out.



Explore the digital interactive visualisation tool in detail by connecting to the QR code on the left for more information about each technology area.



# Projects bridging transformative innovation

EIT Manufacturing's projects and programmes aim to integrate the otherwise fragmented areas of education, business creation and industrial innovation. By deploying agile programmes to connect knowledge and new technology to business, EIT Manufacturing-funded projects and activities speed up innovation in manufacturing.

Through its focus on Education, EIT Manufacturing seeks to empower Europe with people who are capable and inspired to shape

the future of manufacturing. The Innovation pillar supports the European manufacturing community of companies and tech organisations in industrialising innovative projects. The Business Creation team empowers high-growth, profitable companies with a positive social impact. Meanwhile, EIT Manufacturing's Regional Innovation Scheme (RIS) works in all three areas to strengthen local innovation ecosystems in regions that have moderate or modest innovation capacity.



## **CASE** SoftDREAM (Now ADAXIS)

SoftDREAM was initiated through EIT Manufacturing's Matchmaking process. It has worked to develop software for robot-based additive manufacturing – turning virtually any industrial robot into a 3D-printing unit.

The benefits of additive manufacturing include increased design flexibility, better customisation, reduced lead times and increased industry resilience. SoftDREAM has designed a software that leverages the huge number of industrial robots worldwide for 3D printing. The project is now being commercialised through the French-Swedish spin-off, ADAXIS.



Photo: Jonas Ellberg

## **CASE** TF KnowNet

TF KnowNet is a Teaching Factory network that brings together industry and academia in a knowledge-exchange network to leverage knowledge, expertise and infrastructure.

TF KnowNet offers remote access to intuitive teaching and high-value, state-of-the-art infrastructure – to address real world challenges and thus provide skills needed by industry. So far, TF KnowNet includes five universities in five different countries across Europe, as well as manufacturing companies in Spain, Italy and Sweden.



## **CASE** BoostUp! competition

The BoostUp! business creation competition organised by EIT Manufacturing aims to identify and promote entrepreneurs, startups and scaleups proposing innovative solutions to create tomorrow's green and digital manufacturing future.







# Making innovation happen.

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