



BETTER FACTORY

Grow your manufacturing business

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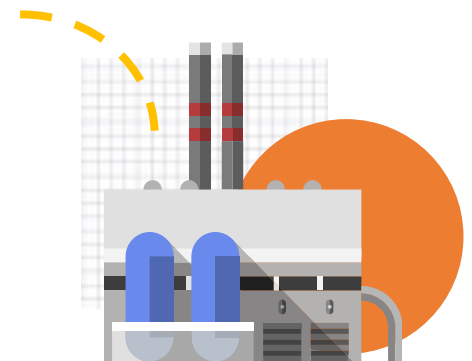
VTT

What is Better Factory?



Better Factory is an initiative funded under the European Commission Horizon 2020 programme. We invite European **Manufacturing SMEs, Artists, and Technology suppliers** to engage in a set of one-year collaborative experiments to redesign manufacturers product portfolio.

- The project will enable Manufacturing SMEs and Mid-Caps to **enter new markets** with customisable products or service portfolios.
- Artists with an industrial background to **create new business models** for themselves and reach new prospective clients.
- Technology Suppliers to reach out to **new potential customers and test technologies** in real-life situations with low financial risk.



The challenges we will address



#CreativityChallenge

Before adopting new business models and investing into factories for new or personalized products, **SMEs need to reinvent their products for customization**, around the core value proposition of the product and around the core knowledge of the SME.



#Lean-AgileChallenge

To produce batches of new and personalized products, alongside existing products SMEs will require more from their factories. **Factories will need to operate as fully connected Lean-Agile cyber-physical-systems**, minimizing the use of resources, and simultaneously reconfiguring Human-Robot-Interaction while keeping the constraints on quality, delivery, time, etc.



#SkillsChallenge

Transformation process of a conventional factory requires **transformation of organisational design and enterprise architecture** that embrace convergence of multiple advance technologies. This requires **strategic thinking, simulation, planning and re-skilling**.



#InvestmentChallenge

Arts drive science and science drive arts and a combination of these drive innovation. The **artists can spur new innovations** on the path to digital transformation with manufacturing SMEs, as well as explore new horizons with Technology suppliers. **Yet, full exploitation of these unpredictable innovations will rely on the access to finance**.



What Better Factory offers?







Better Factory offers a **Knowledge Transfer Program** for **KTE consortia** constituted from:

- **1 Manufacturing SME or Mid-Cap**
- **1 Artist**
- **1 Technology Supplier**

Better Factory will launch **2 Open Calls** to select **8+8 KTEs** and provide **EUR 200,000 of EU funds**.

KTEs will be supported to design **new product lines** and **deploy automation solutions in the factory**.

The following industry sectors will be prioritised:

- Plastic and Rubber 
- Furniture and Wood 
- Food and Agriculture 
- Construction 
- Metal and Machinery 
- Textile and Leather 



Who can join Better Factory?

1

Manufacturing SMEs* and Mid-Caps** looking to redesign their current products and services together with product **design Artists and automation Technology Suppliers**, in order to **optimise their production cost**.



2

Artists willing to collaborate with **Manufacturing SMEs/Mid-Caps and Technology Suppliers** for the **redesign and co-creation of new products and services**.



3

Tech Suppliers interested to use advanced robotics and technologies for **Lean-Agile production** in collaboration with **Manufacturing SMEs/Mid-Caps and Artists**.




* **SME:** Headcount < 250; Turnover < EUR 50 Million


** **Mid-Cap :** Headcount < 3,000

How are we going to help you?



 Selected **Manufacturing SMEs and Mid-Caps** will define a challenge and will be paired with an **Artist**. They will collaborate to redesign the products for personalization around the core value proposition of the products or design new products and services based on the core knowledge of the company.

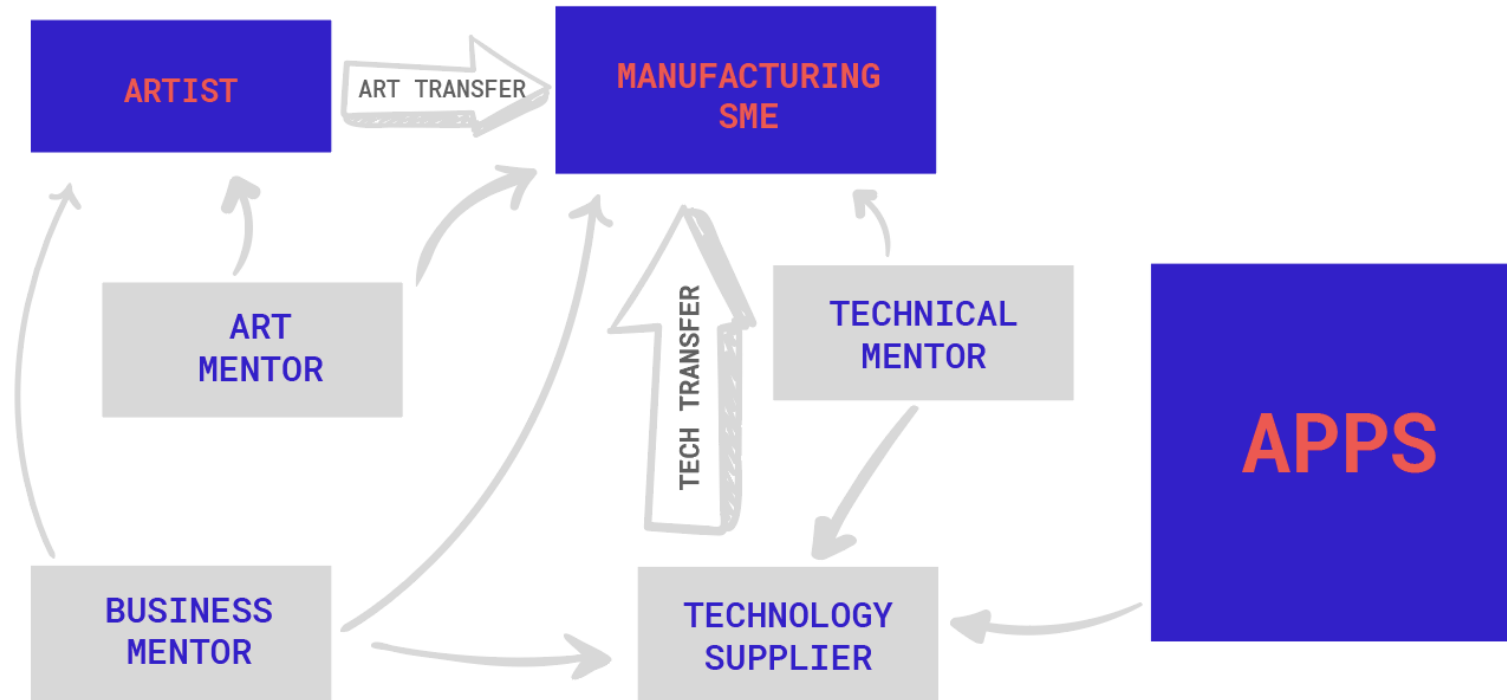
 Deploy **Advanced Production Planning Services (APPS)** as a technology with a **Technology supplier** to transform the factory into a fully reconfigurable cyber-physical production system providing optimum combination of Lean-Agile Production, increasing product line for each batch of new or personalized products.

 Your technology and experiment will have their **story told** and shared among Better Factory networks!



How will we do it?

Execution of the Knowledge Transfer Experiments (KTEs)



The 16 chosen experiments are aimed to transform **Manufacturing SMEs** into **Lean-Agile factories** with manufacturing and delivery of new and/or personalized products and services as their business strategy.

Examples of KTEs in the 1st Open Call

Better CNC Factory:

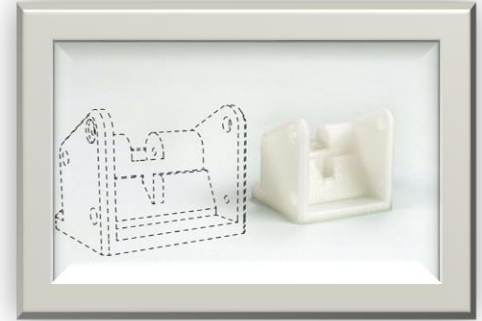
SME: Fiction Factory

Artist: Jesse Howard

Technology Provider: IAAC

The KTE focuses on the challenge to eliminate their current wood waste which is a stunning 50% of all the wood bought.

A new approach for flexible object manufacturing based on machine learning enabled programmed object specifications.



FOLD:

SME: Europack Bulgaria

Artist: Isaac Monté

Technology Provider: Oviso Robotics

The KTE focuses on the challenge to expand the possibilities of design and production with the new material Stone Paper for packaging and other applications.

Expanding the envelope of production and usage possibilities of a new and promising sustainable material, stone paper.



SMARTHam:

SME: Capanna Alberto S.P.A.

Artist: Studio de Wilde

Technology provider: SiriumERP

The KTE focuses on the challenge to introduce digital technologies that will improve the factory and renew the market proposition into the ancient Parma ham curating process.

Increasing efficiency and attractiveness of a highly restricted product through digitization interventions in the production process as well as in customer experiences.



Want to know more? Join us!



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**2nd Open Call will be
launched June 1st, 2022**



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Thank you!