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# Newsletter 2

## New skills for VET students

MakeMyFuture – Improving Digital Competences for Advanced Manufacturing Industries through Maker Education is a Cooperation partnership in vocational education and training sector (KA220-VET) funded under the Erasmus+ programme. It has officially started in January 2022 and will last for 24 months.

The project aims at supporting VET teachers in implementing maker-based activities for providing VET students with advanced digital competences, in line with the changes of Industry 4.0. The project aims at increasing the employability of VET students and synergies with advanced manufacturing companies.

In this newsletter, you will find the project information in a nutshell and the description of the activities carried out so far.



### The project

The emerging Maker Movement can support students in acquiring advanced digital competences needed by Industry 4.0. The maker activities are based on the same technologies used in the advanced manufacturing industries and the European Fab Labs should be used as testbeds for developing VET curricula focused on those digital competences (EC, Curriculum Guidelines for Key Enabling Technologies and Advanced Manufacturing Technologies 2019).



### Target groups

The project's **PRIMARY TARGET GROUP** is composed by secondary VET school teachers and educators and all the people involved in the school-to-work transition process in the VET sector.

The **FINAL BENEFICIARIES** are secondary VET school students attending the last years of their education, including disengaged students.



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# Project results

## MakeMyFuture Competence Framework

The first result of the project provides different profiles needed by Industry 4.0, described by applying the Learning Outcomes approach and in line with the standard VET curricula.

This will ensure a link between the world of work and the VET sector, so as to align the advanced digital competences acquired by students through Maker education, with the real needs of the changing Industry.

## MakeMyFuture Modules

The second result consists of different maker-based educational modules designed with the scope of nurturing VET students with advanced digital manufacturing competences. The modules have been elaborated according to the profiles identified and the different technologies actually used by Fablabs, matching them with the company's needs and VET curricula.

## MakeMyFuture MOOC

The third result of the project consists of an open web-based training course for VET teachers and trainers for implementing maker-based educational modules with VET students. This will also promote VET teachers and trainers' capability of developing and implementing learning paths, in synergy with local companies, focusing on advanced digital competences.

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## Activities carried out

### MakeMyFuture LTTA

The LTTA (Learning, Teaching, and Training Activity) took place in Munich, Germany, from September 11th to 15th. Two participants from each partner organization attended the training, which focused on integrating maker-based activities into educational settings.

The programme included the following topics:

- Lectures on 3D, Lasercutter and CNC machines to provide participants with technical information needed to use and integrate these tools into their teaching activities
- Workshops on designing and prototyping a custom product using 3D printers and Laser cutters
- Visits to local Maker spaces that link education with industry 4.0
- Visit to local VET schools, such as the Staatliche Fachoberschule Haar (FOS), to see how they integrate industry 4.0 into regular lessons.

### MakeMyFuture Final Transnational Project Meeting

The final project meeting was held in Málaga, Spain, on October 26 and 27. During the meeting, the partners discussed the remaining project activities to be completed by the end of the project. Special attention was given to sharing partner experiences during the testing of project results and to discussing the project's sustainability.



# Partners

Make My Future activities are implemented by a consortium composed of 8 organisations coming from 5 different European countries.



Assindustria Consulting



Learnable



MCAST



Fablab Muenchen e.V.



Malaga TechPark



Polo3



Pedagogical University of Cracow



IES Martin de Aldehuela

## Let's keep in touch!



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