

NEW METRO

**embedding kEts and
Work based learning
into MEchaTRonic profile**



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Erasmus+ Programme
of the European Union



WHY?

Europe holds a significant share in the growth potential of KETs, which could create new jobs at various occupational levels: from researchers and scientists holding university and post-graduate degrees to a range of technicians and specialists with secondary, post-secondary and non-university tertiary education. However, skills imbalances in KETs are likely to significantly diminish KETs growth potential and employment effects, furthermore, the EU is currently facing the increasing competition from both developed and emerging economies. In this scenario **there is the need to ensure a good alignment of educational programs with industry and to facilitate regular training of current employees.** The project firmly addresses the skills gap in mechatronics, especially as far as key enabling technologies (KETs) are concerned.

“THE NEW METRO PROJECT IS AIMED AT DEFINING AND SUPPORTING THE DEVELOPMENT OF SKILLED RESOURCES AND THE ENTIRE INDUSTRY 4.0 EFFORT ACROSS EUROPE, WITH A FOCUS ON TRAINING NEEDS AND EMERGING SKILLS.”



WHAT?



NEW METRO Project aims to joint design, develop, concept-validating and validating an innovative European shared competence framework, the related assessment and certification methods and an European Learning delivery model, based on WBL, Virtual mobility and European set of VOOC. The results will be:

- 1. an innovative European framework of competences**, focused on ESCO framework “Mechatronics engineering technician” occupation 1, structured in learning outcomes (according to ECVET principles);
- 2. a modular learning contents based on ICT**, and a **shared learning delivery system** based on different methods, addressing different target groups (classroom, WBL and VET Open on Line Course - VOOC);

- 3. **a shared framework to assess and certify the competences** according to European transparency instruments (EQF Level 5);
- 4. **a shared ownership of the innovation project by its stakeholders at local, national and European level (Stakeholders Community).**

The desired impact is as following:

- 1. a better employability for **Young people** as well as for **Adult workers**
- 2. improved working and teaching practice of **teachers and professionals** as individuals and increased collaboration at regional, national and European;
- 3. **Companies and associations of companies:** expanded awareness about strategies for Industry 4.0 and KETs and learning supply related to Industry 4.0 to overcome the skills mismatch;
- 4. **Policy makers and decision makers in Education and Training at regional, national and European level** increased availability to dialogue and expanded awareness of project results about KETs and Industry 4.0.



Partnerships:



In cooperation with:





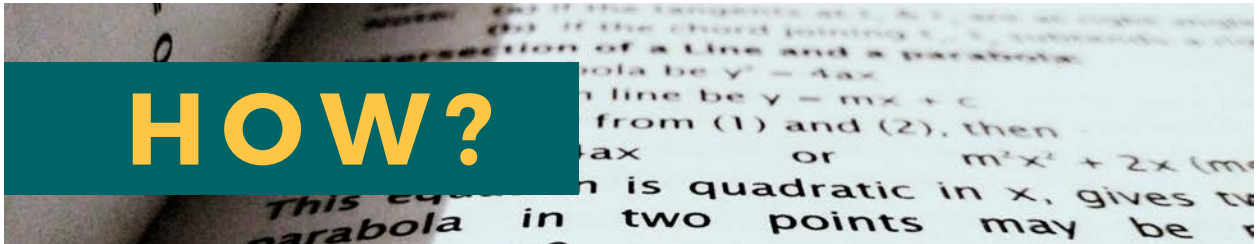
7 countries are involved in NEW METRO:

-  ITALY
-  POLAND
-  SPAIN - CATALUNIA
-  LATVIA
-  GREECE
-  AUSTRIA
-  GERMANY



3 years (2018 - 2021)





NEW METRO acts to:

1. Providing workers (both young people and adult workers needing requalification) and employers with new competence KETs related;
2. Increasing awareness among key stakeholders regarding the social and organizational changes brought about by new ways of manufacturing;
3. Involve regulatory bodies and stakeholders at regional and European level in developing integrated policies supporting Industry 4.0.

FINAL TARGET

Young people, who may have greater opportunities to direct their own professional path and to increase the KETs competencies;
adult workers, who may need upskilling to stay or retry in the labour market; **trainers**, who can learn new work-based teaching methods; **VET Authorities and Enterprises stakeholders**, who can share an European framework for qualification and validation of skills for the profile of the advanced mechatronics technician (V EQF).



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