

skill **ME**...

NEWSLETTER No. 5

METAL AND ELECTRO INDUSTRY

MAY 2017



www.gzs.si/skill-me



Co-funded by the
Erasmus+ Programme
of the European Union

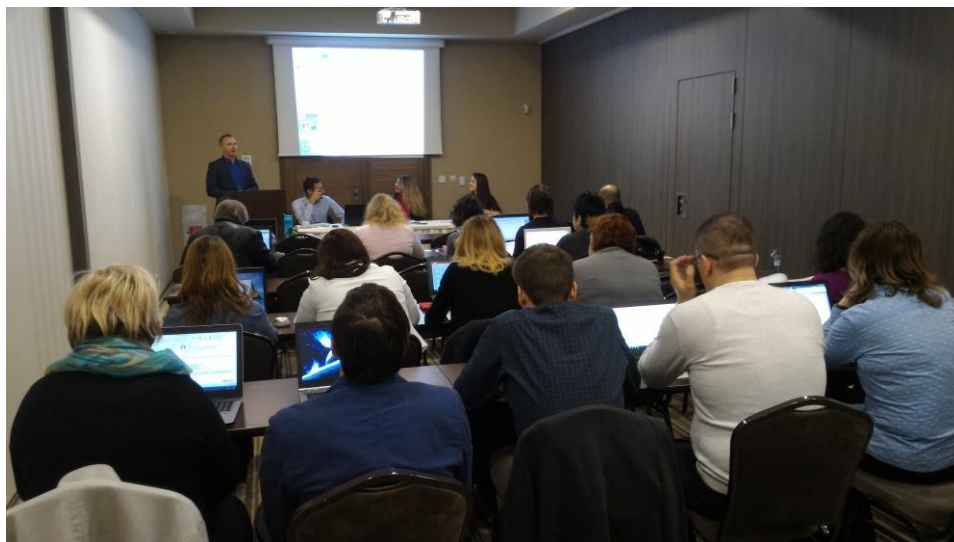
skillME PROJECT

The **Skills in Metal and Electro Industry** or **skillME project** is a three-year collaborative project between vocational education and training (VET) providers, national regulatory partners and representatives of the metal and electro industries of the EU member states **Croatia, Latvia, Slovakia** and **Slovenia**, which aims at **identifying the most endemic skill gaps in the metal and electro industries** and **developing curricula to fill those gaps** that will be implemented into national VET systems.

The project lasts from **November 2014** until **October 2017** and is **co-funded by the Erasmus+ Programme** of the European Union.

■ ■ ■ LATEST NEWS

On **9 and 10 May 2017**, project partners organized the **6th project partners' meeting** in Liptovský Mikuláš, Slovakia, which was hosted by the **Slovak project partner ZEP SR – Association of the Electrotechnical Industry of the Slovak Republic**. The focus of the meeting was the presentation of finalized, ongoing and future project activities primarily connected with **pilot trainings implementation**. VET partners presented the results and findings and tried to evaluate the functionality and adequacy of the implemented curricula.



skillME project partnership, 6th partners' meeting in Slovakia, 9–10 May 2017

■ ■ ■ FINAL skillIME PROJECT CONFERENCE

It was agreed that the **FINAL skillIME PROJECT CONFERENCE** will be held on **4 October 2017** in **Ljubljana, Slovenia**, in the premises of the project coordinator, the Chamber of Commerce and Industry of Slovenia – Metal Processing Industry Association. The Croatian, Latvian and Slovak project teams will also host **national conferences** for national stakeholders in **September 2017** in their respective countries. More information will be available at the project website: www.gzs.si/skill-me.

■ ■ ■ ONGOING ACTIVITIES



Participants attending the Reading Technical Documentation training in Latvia

In the first half of the project, project partners **identified four most pressing skill gaps** among students and workers in the metal and electro industry of the participating countries, which are: **READING TECHNICAL DOCUMENTATION, CAD/CAM SYSTEMS, MACHINE VISION, and COMPOSITE MATERIALS**. Next, partners **designed curricula and training materials** to fill these gaps. As the field of reading technical documentation varies greatly between the metal and electro industry, **two separate curricula** have been developed for the sectors. Over the past six months, partners have been **implementing pilot trainings** for **students** and separately for **workers** of metal and electro companies in all of the project countries, i.e. Croatia, Latvia, Slovakia and Slovenia. The piloting is currently in its final phase.

The following pilot trainings and activities have been implemented per country:

... PILOT TRAININGS IN CROATIA

The Croatian skillME partner school **Technical High School Faust Vrancic** carried out **CAD/CAM** and **Composite Materials** pilot training. CAD/CAM training was done with 13 juniors attending mechatronics technician class during March and April 2017, whereas Composite Materials training was done with 11 sophomores attending Mechatronics technician class during March, April and May 2017.



CAD/CAM training for students in Croatia



The attracted **Electrotechnical School in Zagreb** carried out with their students **Reading Technical Documentation – Electro** pilot training and the **Machine vision systems** (automation) pilot training. Reading Technical Documentation – Electro pilot training has been carried out in March and April with 18 juniors attending Electrotechnician class.

Composite Materials pilot training in Croatia

According to the curriculum, students have obtained the basic knowledge for the aforementioned pilot programmes and the education gave them the insight about the progress and the application of the new technologies.

In organizing trainings for workers, educators, together with project representatives, gave emphasis to the most practical and interesting parts of the curricula in direct dialog with workers and focused on solving the situations they encountered at their work place and on filling concrete gaps in their practical knowledge.

... PILOT TRAININGS IN LATVIA

In the CAD/CAM pilot training, the Latvian participants developed an aluminium motor



Machine Vision participants at Festo Machine Vision study stand with SBSI

Machine Vision participants (employees) visited Tech Industry 2016



skillME pilot trainings in Latvia

skillME pilot trainings in Latvia started in the beginning of the 2016/17 school year and took some time for organization and realization. These trainings attracted the interest of many students and companies due to its original content.

The skillME partner school **Riga Technical College – RTC** organized and hosted **Composite Materials** and **Machine Vision** pilot trainings. They organized two trainings for 34 students and two extended trainings for 20 employees.

The attracted Latvian school was **PECC Liepājas Valsts Tehnikums**, which implemented **Reading Technical Documentation** and **CAD/CAM** pilot trainings. Its new study equipment gave better training possibilities for additional practical work. Sometimes it was possible to combine the lectures with exhibitions or scientific events, such as the “Tech Industry 2016” or PECC “Open door days”, as seen in the photo above.

According to the trainers, the piloting was successful as it brought a lot of positive results, and all participants gained a very good experience from it.

... PILOT TRAININGS IN SLOVENIA



skillME...

skillME pilot trainings in Slovenia

The Slovene project partner **School Centre Celje** has provided two pilot trainings for their students and two pilot trainings for workers, namely **Machine Vision** and **CAD/CAM**, which took place from February to May 2017.

25-hours trainings for students were organized as an extracurricular activities. Even though the pilot trainings were outside the frame of regular curriculum, the interest of students was even greater than expected. 12 students have participated in the piloting of CAD/CAM and 14 students in the Machine Vision pilot. Due to great interest of students, more training will be provided for students outside of the project, which is already a great start of exploitation of project results.

The attracted Slovenian school, **School Centre Kranj**, has implemented the other two pilot trainings for students and workers, **Reading Technical Documentation – Electro** and **Composite Materials**.

All of the trainers emphasised that students and workers gave a positive feedback after the end of the courses and showed great satisfaction with the piloting process.

... PILOT TRAININGS IN SLOVAKIA



skillME pilot trainings in Slovakia

In Slovakia, pilot training activities were implemented at the project partner school **SOŠ Stará Turá** and attracted school **SOŠIT Bratislava** from January to May 2017 after previous studying and preparing materials for teaching and training.

SOŠ Stará Turá trained students and companies mainly in METAL curricula, i.e. **Composite Materials** and **CAD/CAM**. Both curricula have been added to special subjects, like practical training, technology, machinery engineering, automatization, and they have been also taught at extra after-school lessons for students of the 2nd and the 3rd year of study.

Meanwhile, the attracted school focused on the ELECTRO curricula, i.e. **Reading Technical Documentation** and **Machine Vision**, both of which were offered to students as well as employees.

The project school attracted successfully companies, which agreed with cooperation within the project, and experienced trainers from the school led trainings for employees in their education centres. They have trained **employees of 2 big companies and 4 smaller companies**. Trainings were successfully implemented in all these companies by the end of March 2017. Employees considered pilot training activities in Composite Materials, CAD/CAM Systems and Reading Technical Documentation useful for their future carrier. If there will be more interest, project partners will organize new courses.

... ■ **PROJECT PARTNERS**



Metal Processing Industry Association



National Centre for Education of the Republic of Latvia



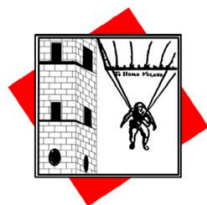
Agencija za
strokovno obrazovanje
i obrazovanje odraslih



ZEPSR
Association of Electrotechnical Industry
of the Slovak Republic



CEA
Croatian Employers' Association



STROJARSKA TEHNIČKA
ŠKOLA FAUSTA VRANČIĆA



SIOV
štátny inštitút
odborného
vzdelávania

