

**ERASMUS+ SECTOR SKILLS ALLIANCES LOT 2**  
**COMMON RESOLUTION OF PREPARATORY VISIT**  
FROM 26-01 UNTIL 30-01-2018 IN ST. PÖLTEN (AUSTRIA)  
“EUROPE IN A BOX CONNECTS EDUCATION AND INDUSTRY 4.0”



***The participants of the preparatory visit for the  
“EUROPE IN A BOX connects Education and Industry 4.0”  
agree to the following common resolution:***

1. The participants will work on the basis of the established “European CNC-Network”.
2. The participants have agreed on a project named “EUROPE IN A BOX connects Education and Industry 4.0”.
3. The project is going to begin in 2019 as part of the European programme “ERASMUS+ Sector Skills Alliances Lot 2” and will run for three years.
4. The participants have selected English as their working language.
5. All individual partners will bring unique knowledge and skills to the project. Therefore, the participation of every single member is essential to the success of the project as a whole.
6. **The planned project is designed to connect and combine essential components and structures of “Education 4.0” and “Industry 4.0”.**
7. The participating schools agree on the basic ideas and elements of the new learning strategy “Education 4.0” which provide multiple peer-to-peer-learning strategies, personalized learning methods, free choice of learning strategy, internet-based learning tools and virtual social learning.
8. The participating schools agree on using the four design principles of the new high-tech strategy “Industry 4.0” named interoperability, information transparency, technical assistance and decentralized decisions as the common basis for their technical work within the project.
9. **With view to “Education 4.0”**, an important element in implementing new learning methods is the development of educational audio-visual media on which students will have easy access via an online platform by using QR codes.
10. The main purpose is to give the students without or little former experience an opportunity to be involved in and use technical applications safely.
11. The participants agree that audio-visual media and internet-based tools offer an easy and self-learning way to enable students of different nationalities, different levels of education and foreign language knowledge or different decent and family backgrounds to understand and to use technical applications.
12. This project will be appropriate to gain experience and expertise in adapting augmented reality appliances into the teaching and learning process.
13. **With view to “Industry 4.0”**, all the acquired technological knowledge will directly be applied when producing individual transparent assembly boxes (50/50/50 cm) which perform an intelligent automatized and interlinked assembly process.
14. Those single boxes are planned to be positioned at a central place in the partner schools and as they are interconnected with other boxes in Europe they will in total create one common unit.
15. All individually designed boxes will have to assemble a keyfob cube displaying the colours of the national flags of the European member states. The coloured side parts will be produced by reusing the already existing injection moulds made in the former “Leonardo da Vinci” school partnership.
16. The boxes are interconnected and are able to receive orders to produce a key fob cube according to the ordered national colours. The boxes decide self-reliably and network-based which of them shall execute the order. The one box that is able to produce fastest will take and fulfil the order.
17. The assembly process will be visualized by webcams and is accordingly transparent and public for everyone.
18. Partners will form teams that have to cover all three disciplines: mechanics, mechatronics and ICT. Each team has to send participants from each discipline in equal numbers to each meeting.
19. Each team cooperates in creating one prototype assembling box. This box will then be copied, so that at the end each member school in the team owns one box identical to the prototype.



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20. We will establish a two day “*Transnational Project Meeting*” for representatives only in order to discuss and define details of organisation and work load. This meeting in January 2019 will be organized and hosted by our partner school in the Czech Republic.
21. The participants plan to organize six “*Transnational Training Activities*” during the project:

- Feb 2019	Norway	Initial Meeting
- Sep 2019	Ireland	Determination Meeting
- Feb 2020	Spain	Examination Meeting
- Sep 2020	Lithuania	Consolidation Meeting
- Feb 2021	Hungary	Completion Meeting
- Oct 2021	Portugal	Presentation Meeting
22. Every “*Transnational Training Activity*” will have to be planned for the duration of five complete days, not including arrival and departure days.
23. We will furthermore establish a two day “*Transnational Project Meeting*” for representatives only at the end of the project to evaluate, summing up results and completing the final report. This meeting in December 2021 will be organized and hosted by our partner school in Italy.
24. The partners receive funding for a maximum of five participants (two teachers + three students) per meeting. The coordinating schools may send seven delegates.
25. The work load within the project partnership will be separated in different work lines each one dealing with a specific topic.
26. Within the work lines, individual work groups will be established which will then work at one time specialized and focusing on one specific field of work.
27. Each step of the project requires the continuous engagement of the students.
28. Students and teachers are expected to benefit from the exchange of experience by mutual visits.
29. The participants will use and improve the existing internet platform as a basis for a long-lasting communication.
30. Between the meetings communication among project partners will mainly be internet-based. Enhancing and improving communication among students is a key element of the partnership.
31. Acquired competences will be validated by using ECVET to recognise the individual's learning outcomes.
32. The project is integrated in the targets and goals of the curricula for the training programs in the different partner schools.
33. To underline the future-oriented character of this project, green skills must be an essential element of educational and technical work processes.
34. The Norwegian partner will be main coordinator and takes over the responsibility for the overall planning of the project, the application, evaluation and reports and implementing of new learning methods. Furthermore, the Norwegian partner will be responsible for the allocation of financial resources, the overall accounting and budget control.
35. The German partner will be co-coordinator and is therefore responsible for the planning and manufacturing process to develop the networking assembly boxes based on “Industry 4.0”. The German partner will take over the main responsibility in coordinating the overall technical tasks in the production process.
36. The project’s webpage will be hosted on a server in Germany. Access to all uploaded data will be given to the co-coordinating school in Germany, who will be administrator of the webpage.

***The partners are convinced that this project is perfectly suited to work out another successful project supported by the “European CNC-Network”.***

***The result of our efforts symbolizes the successful cooperation of the different European educational institutes.***

***We are confident that with this project we have found an excellent example that will increase the “European spirit”.***