



POLITEKNIKA IKASTEGIA
TXORIERRI
 S.COOP.

ORGANISATION	Politeknika Ikastegia Txorierri. S. Coop.
Profile	<p>Txorierri (www.txorierri.net) is a Vocational Education and Training (both EQF level 4 and 5) and High School for Science and Technology in the Basque Region. Each year the centre provides education for over 400 full time students and 1000+ adult part time learners. The centre specializes in: Environmental Control & Education, Telecommunications and Information Technology, Robotics, Sales and Commercial Management, Machining, Mechanical Design, and Mechanical Production.</p> <p>Txorierri operates as a Cooperative and forms part of the Mondragon Group with a strong emphasis on community and cooperative ethics.</p> <p>Txorierri has an accumulated experience in international project management. Since 1999 the center has participated in several European projects that have contributed to its qualitative innovation and modernization. Txorierri also participates in regional Technological projects collaborating with other centers under the coordination of the Center for Innovation of VET (TKNIKA) and the financing of the Vice-Ministry of Vocational Training of the Basque Country.</p>
Previous experience in European projects	<ul style="list-style-type: none"> • DTAM (https://dtamproject.eu): Digital transformation in advanced manufacturing (2020-2023). It is a Sector Skills Alliance project that will create and provide innovative curricular training (reskilling and upskilling opportunities) in digital transformation competences for the advanced manufacturing sector (AM), for mid-high level IT and OT technicians at EQF Levels 4-5 +. Txorierri coordinates this project, will create a remote IoT lab in its premises and contribute to the development of the different WPs. • School Starters' Hub (https://schoolstarter.eu/) (2020-2022) The School Starters' Hub Project is addressing Secondary Schools and aims to transform them into Innovation & Creativity Hubs.



Txorierrri coordinates this project, is contributing to the IOs and will pilot the material.

- **3D2ACT** (<https://3d2act.eu>): **Fostering industry 4.0 and 3D Technologies through Social Entrepreneurship: An Innovative Programme for a Sustainable Future** (2020-2023). The 3D2ACT transnational team of experts will design, produce and pilot-test a DUAL TOOL KIT to empower VET trainers to promote 3D technologies and skills among their students while equipping them with Social Entrepreneurship mindsets.

Txorierrri is a full partner in the project.

- **PBRAND4ALL** (<http://pbrand4all.eu>): **Personal Brand Development for all** (2020-2022). The project will create an online interactive tool, the Personal Branding Genie, that will offer learners personalised training pathways. The training material will be consisted of actions and goals that learners should attain in order to complete the learning process. The “Genie” will be composed of three main skills that will have been previously defined by the research that partners conducted at the beginning of the project.

Txorierrri is a full partner in the project.

- **Balance** (<https://balanceproject.eu/>): **Green & Stable – Bringing Sustainability and Environmental Action Together for Better Future.** (2020-2022). The project steps on the key learning points from the Green Action Plan for SMEs, to combine best practices around EU and back them up with financial knowledge in order to create a valuable training program based on ECVET for the transformation of the small business into more greener without having to sacrifice the financial sustainability of the enterprises and allow them to keep their employees.

Txorierrri is a full partner in the project.

- **EEE** (<https://eeexpert-project.eu/>) **Energy Efficiency Expert** (2020-2022): The purpose is to make Europe a climate-neutral continent protecting our natural habitat, thus enhancing the well-being of people, the planet and also for the economy. By making old and new buildings more energy-efficient, the EU could reduce its energy consumption to 5 and 6% and this could be reached through the creation of new experiences in sustainable energy in buildings.

Txorierrri is a full partner in the project.

- **INCOBOTICS** (<https://incobotics.eu>): **Ready for the Industry** (2019-2021). The INCOBOTICS project has created a Module which besides providing an introductions to Industry 5.0,



	<p>covers the main characteristics and functions of cobots and develops structured units of learning in understanding and programming cobots and AV systems. The Project has developed a Best Practice Guide which supports user staff in the understanding of Challenge Based Learning and how to adapt or develop challenges for students in their cobotics and other courses.</p> <p>Txorierrri coordinates this project, has contributed to both IOs and is now piloting the material.</p> <ul style="list-style-type: none"> • SYS-STEM (http://sys-stem.eu): Arduino SYS-TEM for Schools (2019-2021). The Arduino SYS-STEM for Schools provides teachers of 14-18 yr old students with open access, quality, ready to use didactical material in basic electronics using Arduino. SYS-STEM has also created 4 well-equipped remote project partner ArdLABs that can be reserved and connected to via the SYS-STEM ArdLAB hub – an online platform that coordinates and manages reservations and the remote connections. <p>Txorierrri coordinates this project, has contributed to both IOs, has created a remote Arduino lab in its premises and will pilot all the outcomes with its students.</p> <ul style="list-style-type: none"> • InCyS (https://incybersecurity.eu): Industrial Cyber Security 4.0 (2018-2020). InCyS 4.0 offers free training materials to make current and future operational technicians aware of the main risks and dangers of the control systems connected in Industry 4.0 and to provide them with basic responsiveness mechanisms to those risks when they are detected. <p>Txorierrri coordinated this project, contributed to the IO, piloted the output with its students and has implemented the course within its training provision.</p> <p>Information about other European projects: https://international.txorierrri.net/innovation/</p>
<p>Interests for future projects proposals</p>	<p>We are interested in any project that can help the reskilling and upskilling of our current and future students both in H/VET and CVET courses and in non-compulsory secondary school education.</p> <p>Topics of special interest are:</p> <ul style="list-style-type: none"> • Digitalisation in the different professional families • Industry 5.0 • Sustainability – Green economy • Social entrepreneurship • Soft skills-interpersonal skills • Work Based Learning-Dual learning



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