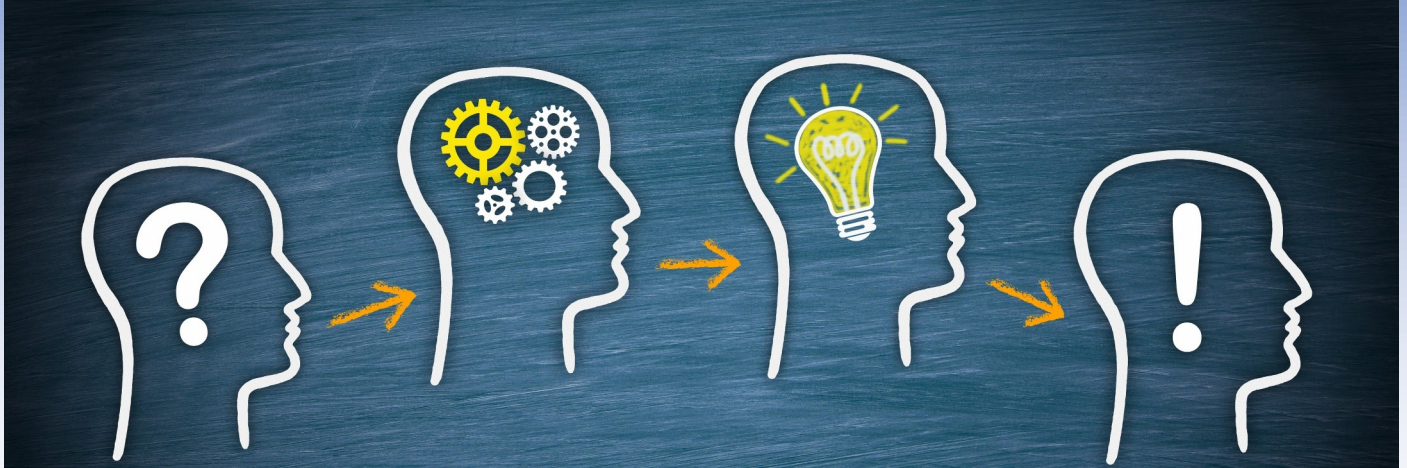




Co-funded by
the European Union



Erasmus+ KA2 strategic partnership—Project No. 2021-1-RO01-KA220-VET-000034746



BEACON—BE A COMPETENCE NOW

NEWSLETTER N.3—MAY/JUNE 2023

3TPM in Zaragoza, Spain

In April 2023 all partners met in Zaragoza at CPIFP “Corona de Aragon” which is a partner of the BEACON Project.

CPIFP Corona de Aragon is responsible to run BEACON experimentations based on the **mechanical and metal work manufacturing**, which is one of its domain knowledge.

Thanks to the technology & research skills from **AITIIP**, business partner within BEACON project, the Spanish team is also

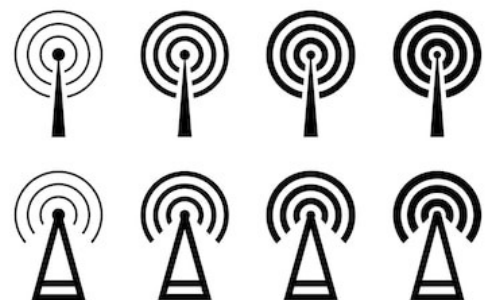
studying how to apply Beacon technology to the **plastic**

injection process of moulds manufacturing.



Target Groups

- ◆ VET students, especially those at risk of school failure or drop-off
- ◆ VET teachers and trainers
- ◆ Corporate managers & technicians from the EU strategic manufacturing & industrial sectors

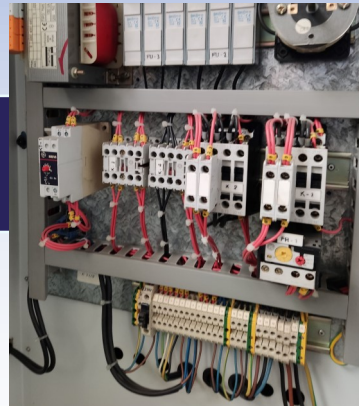


SIGNAL ICON

BEACON problems related to MECHANICAL Manufacturing

The Beacon experimentation about Electrical automation of lathe machinery envisages the installation of 3 beacons in the school mechanical workshop, to allow the simulation of an unpredicted failure of the electrical circuit or of unpredicted safety problem at the workplace. Notifications from the Beacons will be sent to the students' mobile devices, which will be guided

in the search for the solution through the steps of the problem.



Steps in BEACON problems about mechanical manufacturing

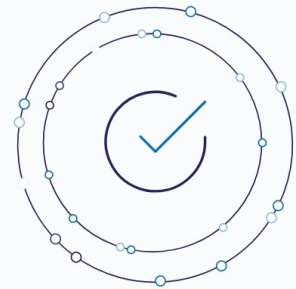
The first step to solve in the Beacon-based experimentation about mechanical manufacturing, is about the general check of the safety precautions protecting the machinery circuits. Are all the fuses working or is there anything wrong in the electrical block?

Second step is about the protection of the workers while the lathe is in function. Is the plate protected by the shield to prevent workers from accidentally putting their hands in the cutting mechanism? Last but not least:

how can students make sure that the lathe is working in safe mode and that no deliberate shortcuts were operated to trick the safety system in the machinery?

Congratulations!

Congratulations, you solved step number 2, Now you have left 1 steps to finish the problem!



Coming Next

The next steps in the project implementation will be about setting up a **Validation Panel** in each country, asking **sector-specific experts** to validate the Beacon programs and to identify criteria for **cross-sector** exploitability. In Autumn 2023 each country will deliver **Multiplier Events** at local level and **final meeting in Iasi**, Romania, will take place in November 2023.



PARTNERSHIP

