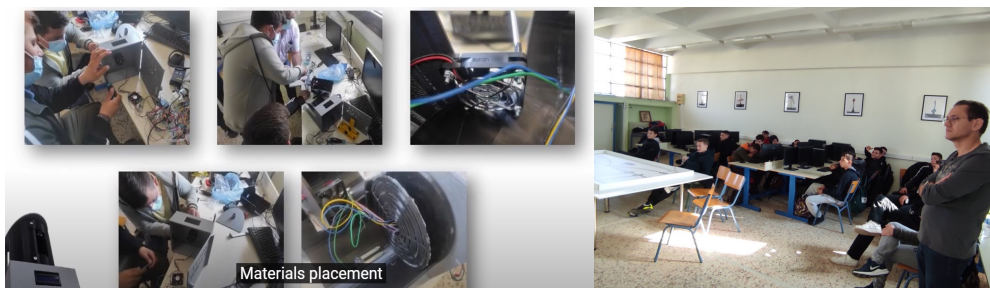


SMART COMPOSTING SYSTEM



GREECE STUDENTS AGED BETWEEN 16-19 YEARS OLD SCIENCE COMPUTER ELECTRONICS

THE SCHOOL

- 1st Vocational High School of Trikala
- Teleconference / Online learning
- The school's priority is the effectiveness of the teaching procedure, the enhancement of the students' self-confidence, and the enrichment of their knowledge
- The only school in upper Secondary Education in Trikala that hosts refugees.

Familiarity with the open schooling approach before joining the SALL Project

Beginner

Experienced

AHA MOMENTS

Shared by the teacher: "Our students have managed to create impressive and innovative projects impressing and winning awards."

By stakeholder: "A special mention was made of automated systems used by the Municipality of Trikala that make our city the most innovative smart city in Greece."

By students: "We've decided to create our system for smart composting to help implement a circular economy in our Municipality."

THE LIVING LAB PROJECT



THE PROBLEM(S)

Large volume of waste, soil erosion, reckless use of fertilizers.



THE COMMUNITY

- Partners of the Municipality of Trikala
- A presentation was held at the 12th Student Festival of Digital Creation
- Strong relations with local authorities, associations, trade unions, social networks



THE SOLUTION

- Encourage the use of secondary materials and waste as productive resources and valuable materials, giving the dimension of sustainability to the production model.
- Some exercises were proposed to develop their attention and control it better.



THE PROTOTYPE

- Composting system can minimize or even eliminate waste at all stages of production
- A compost bin designed in TinkerCad and printed on our school's 3D printer



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