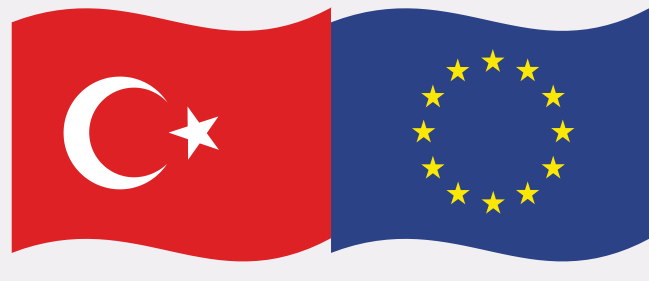


GAZİANTEP

Population: 2.069.000
Altitude: 850 m



This project is funded by the European Union.
Bu proje Avrupa Birliği tarafından finanse edilmektedir.
هذا المشروع تم تمويله من قبل الاتحاد الأوروبي

IMEP
İstihdam İçin Mesleki Eğitim Programı

VET4JOB
Vocational Training Programme for Employment

Project Details

School Name: Şehitkamil Vocational Training Centre
Project Name: My Charger is on my Back



Purpose

We were inspired by the cleanliness and sustainability of solar energy, and set out to create a product that could be used regularly in daily life to reduce our dependence on fossil fuels. Additionally, we aimed to use our product to raise social awareness about the importance of renewable energy.

Target Audience

The target group for our project was made up of the apprentice students at our school and at the school with which we cooperated, the teachers and administrators, and all the creatures around us that use electrical devices and are affected by the use of the fossil fuel energy that is consuming our natural environment.

4 apprentice students, **1** teacher and **2** school administrators worked on the project.



- **1** smart backpack with a solar-powered charging unit was developed,
- Consciousness-raising activities were conducted with **500** people,
- **5,5** kilowatts of solar power were generated,
- The release of **2.18** kg of greenhouse gases into the atmosphere was averted.

Collaborations

Şahinbey Municipality Vocational Training Centre

5 Persons

Baysalman Wheel Alignment

6 Persons

Mennan Usta Vocational and Technical Anatolian High School

41 Persons

Zeki Cylinder Head Grinding

4 Persons

We decided to design a smart backpack that would convert solar power to electricity. We did some research on the idea.



Then, as a team, we paid a visit to the Şahinbey Municipal Vocational Training Centre which had carried out similar projects before. We discussed our project idea to the teachers and students there and obtained their opinions and suggestions for the design of the smart backpack.



We collaborated with them to design a portable smart backpack featuring a solar-powered charging unit. After testing it, we made various improvements and finalised the product.



We presented our newly developed smart backpack with a charger unit to the teachers and students at our school, as well as to the vocational and technical Anatolian high school we work with. Alongside these informational events, we also conducted activities to raise awareness about renewable energy topics.



We also informed the enterprises with which we cooperate about our work. We held an event about it at Şahinbey Belediyesi Vocational Training Centre. By celebrating this project, which we had carried out jointly as two school teams, we strengthened the spirit of solidarity between us.



What do beneficiaries and practitioners think about the project?

We really liked the idea of harnessing renewable energy by turning towards the sun instead of relying on fossil fuels that are damaging the planet and nature.

Having to search for a socket or run out of battery used to be a big problem for me when spending time outdoors. Congratulations to everyone who contributed to solving this issue!

The backpack we designed garnered attention and positive feedback, making us feel accomplished.



The project gave us the opportunity to ask ourselves in what other areas of our daily life we could use solar power.



Recommendations for implementing and improving the project

● Including the production and sustainable use of renewable energy in apprentice student training
● Supporting cooperation among the various professional fields in which apprentice training is provided via projects of this kind

● Conducting awareness-raising activities about the areas of our daily lives in which solar power can be used
● Obtaining support from professionals for the development and marketing of the product

● Conducting visibility activities to attract the interest of local people and public opinion
● Cooperating with professional organisations

