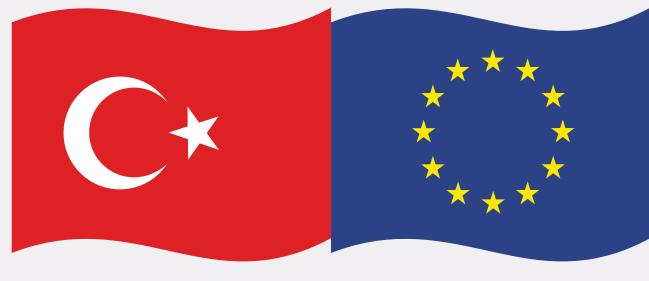


GAZİANTEP

Population: 2.069.00
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: Şahinbey Belediyesi
Vocational Training Centre
Project Name: Smart Bank

Purpose

We sought to find a sustainable and nature-friendly solution to the problem of charging mobile devices in open spaces and public institutions. To this end, we aimed to draw on the power of technology to develop a solar-powered smart bank system with a nature-friendly design.

Target Audience

The target group for our project consisted of the apprentice students and teachers at our school, masters, master trainers and all creatures in our environment who are affected by the use of energy.

3 apprentice students, **1** teacher,
1 master and **1** master trainer worked
on the project.



- **1** solar-powered smart bank system was produced,
- Awareness-raising activities were held for **1,000** people,
- **210** kilowatts of solar power was produced,
- The use of **20** kilos of new metallic materials was averted,
- The release of **91** kilos of greenhouse gases into the atmosphere was averted.

Collaborations

Bozkurt Iron Joinery Workshop

1 Person

Teknikel Automotive Repairs

1 Person

As a team, we conducted research into designs that target the sustainable use of renewable energy resources. We decided to produce a smart bank that would convert solar power into electricity.



Using cast-off metal materials from the enterprise with which we collaborated, we carried out the welding and assembly works for the smart bank system.



We tested the smart bank system which we had designed in various locations and conditions and identified the problems that might arise during its use. We made various improvements, gave the smart bank system its final form and made it ready for use.



We informed the students at our school about the smart bank system. As part of these informational activities, we conducted awareness-raising work on the importance of renewable energy.



We applied for a patent for the smart bank system that we had developed. We strengthened our capabilities for collectively designing, producing and sharing products that take our planet into consideration.



What do beneficiaries and practitioners think about the project?

Thanks to this project, I realised that we need to cling to clean energy instead of wearing our planet out by using fossil fuels.

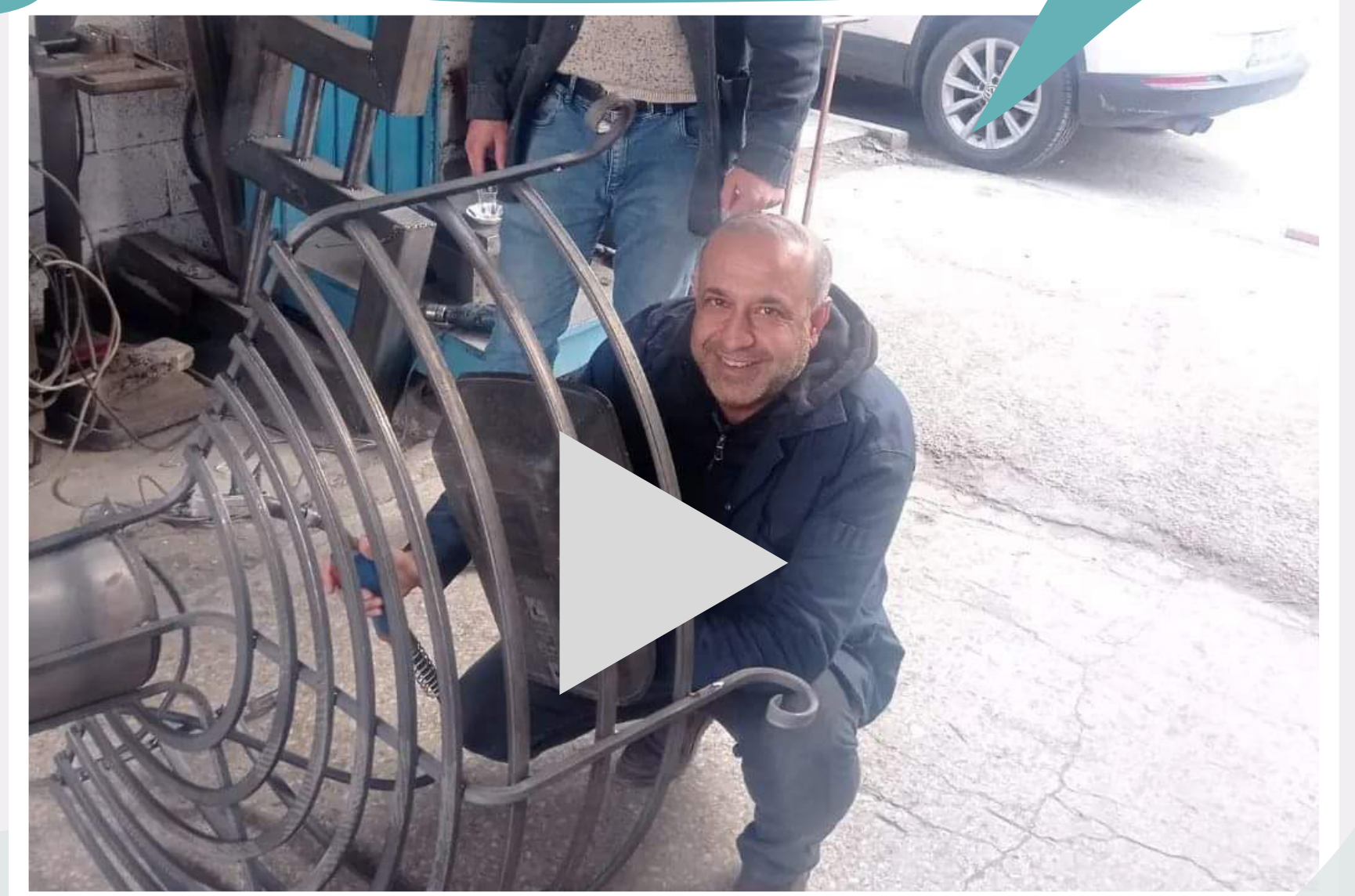


During this work, we had a lot of new ideas involving the use of systems that turn solar energy into electricity and store it. We can't wait to start working on these ideas.

My battery doesn't run out on me anymore. I'd like to thank all those who worked on this project.



We are really happy to have found such a creative and nature-friendly solution to the charging problem that everybody faces.



Recommendations for implementing and improving the project

- Contacting municipalities and public institutions and cooperating with them to publicise the smart bank system and put it into more widespread use
- Increasing the awareness and vocational skills of apprentice students in the field of clean energy

- Producing more technological designs that make use of waste and discarded materials through advanced recycling
- Encouraging the design of products that operate on renewable energy

- Forming partnerships with professional organisations and carrying out activities that transform the use of energy on a larger scale
- Sharing experience with various vocational training centres

