HATAY

Population: 1.610.000
Altitude: 100 m

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هذا المشروع تم تمويله من قبل الاتحاد الأوروبي

İMEP
İstihdam için Mesleki Eğitim Programı

VET4JOB
Vocational Training Programme for Employment

Project Details

School Name: İskenderun Vocational Training Centre
Project Name: We're Lighting the Nights with Solar Power

Purpose

Our project aimed to draw attention to climate change, emphasize the importance of using renewable energy, increase the use of solar power, and enhance students' vocational capabilities.

Target Audience

The apprentice students at our school, the administrators, teachers and master trainers, and all creatures in our environment that are affected by the use of energy constituted the target group of the project.

6 apprentice students, **1** teacher and **3** masters worked on the project.

- **1** solar-powered lighting system was installed,
- **30** apprentice students were trained in the establishment of solar power systems,
- Informational meetings were held with **400** apprentice students, **40** teachers and **9** members of administrative staff,
- **432** kilowatts of solar power were generated,
- The release of **175** kg of greenhouse gases into the atmosphere was averted.

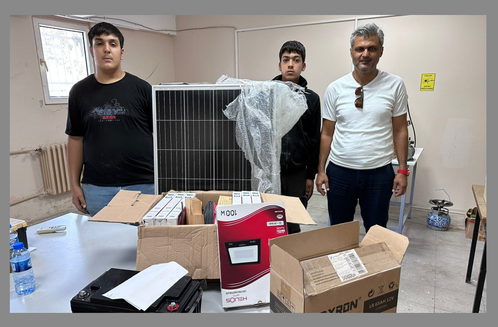
Collaborations

Tekno Electricity — **1 Person**

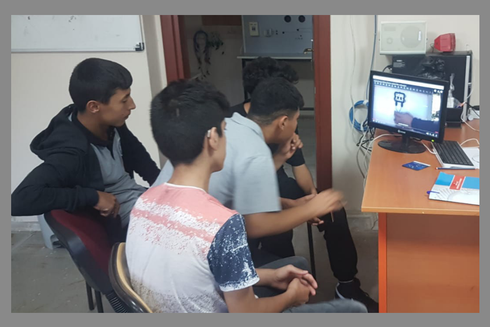
MD Engineering Solar Energy Systems — **1 Person**

Işın Cooling — **1 Person**

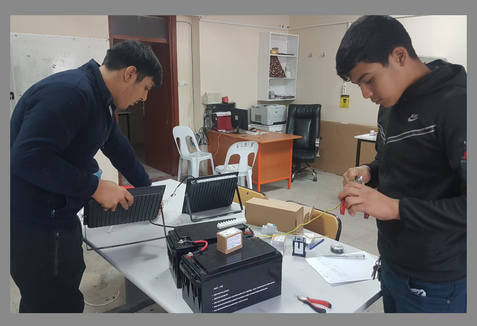
Our project primarily focused on energy. We procured the necessary equipment and goods for an automatic lighting system that would operate on solar power, using photocell relays. The system was planned to be installed on the rooftop of our school.



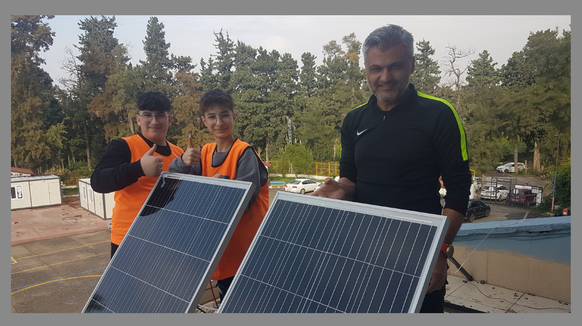
We organized information sessions at our school and provided theoretical and practical training to a group of students on the system's principles and installation details. We also conducted trial assembly work with the students as a final stage of the training.



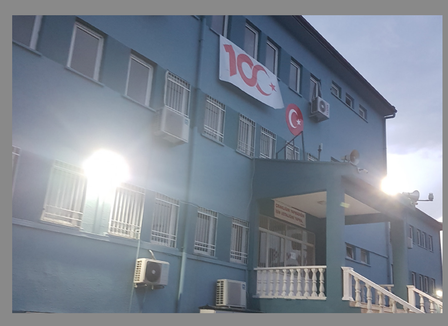
In the school workshop, we made panel connections for the system and conducted testing procedures. Technical information support was provided by the enterprises we collaborated with.



We installed the batteries, LED projectors, solar panels, and control panel at appropriate locations in the school building and yard, and completed the wiring.



After putting the system into operation, we strengthened our commitment to our planet and the importance of sustainability.

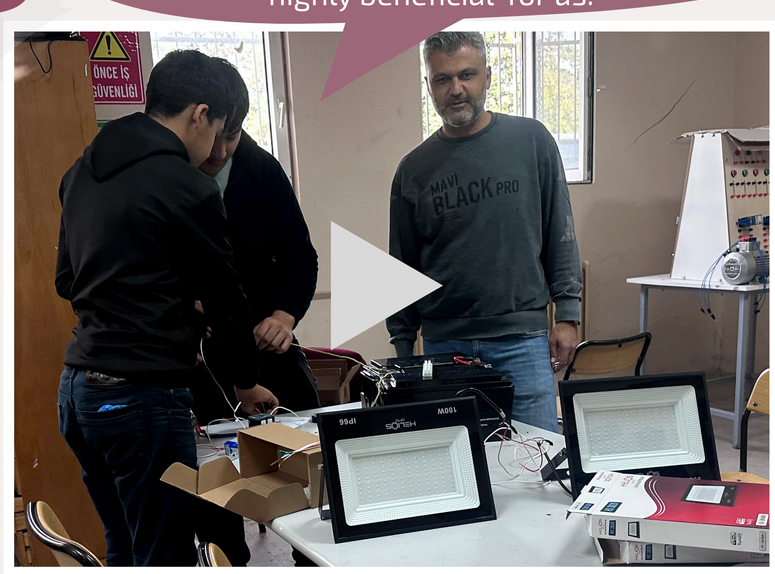


What do beneficiaries and practitioners think about the project?

Thanks to this initiative, we have enhanced our vocational knowledge and skills regarding solar-powered systems.

As a result, we gained more self-confidence by contributing to the benefit of our school.

The solar-powered system that we set up earned us the appreciation of our school administrators and teachers, which was highly beneficial for us.



Our school project has successfully generated clean energy to power some of our lighting needs. We are proud of our accomplishment.

Recommendations for implementing and improving the project

- Expanding the system by adding new items of equipment to the modular system that has been set up
- Considering how to use solar power for heating and cooling

- Carrying out awareness-raising activities about renewable energy throughout the entire school ecosystem
- Inviting apprentice students receiving training in various professions to join in the work

- Developing the vocational capacities of apprentice students in the field of renewable energy technologies
- Including enterprises in the process and obtaining their material and moral support

T.C. MİLLÎ EĞİTİM BAKANLIĞI

TESK

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