Energy for Refugees: Recruiting 2023 Team

Energy for Refugees (EfR) is an NGO run by **TU Delft students** who put their engineering skills to practice and use sustainable energy technologies to improve the living conditions in refugee camps. EfR became a foundation (stichting in Dutch) in February 2019.

SUSTAINABLE DEVELOPMENT GOAL 7

Ensure access to affordable, reliable, sustainable and modern energy for all

10 Master students of the Delft University of Technology.

TU Delft Delft University of Technology

Cooperation within different backgrounds and nationalities to achieve the best solutions.

Why?

Refugee Crisis in Numbers

89.3 mln

forcibly displaced people worldwide.

27.1 mln

are officially recognised as refugees.

151,417

refugees and asylum–seekers came to Europe only in 2021.

ENERGY ACCESS IS A BASIC HUMAN RIGHT

Energy access enables reaching other SDGs, increases productive activities and creates a safer environment for women and children.

How?

Masterplan

1. Help governments and NGOs save thousands of euros in fuel costs by deploying solar thermal collectors to **displace diesel generators** in refugee camps
2. **Improve** the **living conditions** in refugee camps. **Empower refugees** by augmenting their technical skills.
3. Prepare **TU Delft Students** to conduct energy system design projects and acquire skills on project and stakeholder management, funding, and solar thermal design and installation.
4. Create an environment for TU Delft students to participate in a **voluntary and multidisciplinary project** in a group with different educational and cultural backgrounds.

The **goal** of Stichting Energy For Refugees is to **alleviate energy poverty** for people seeking asylum and shelter.

We do this by implementing **appropriate and sustainable solutions**, partnering with stakeholders involved in refugee camps. By doing so, Energy for Refugees will also **raise awareness** in the Netherlands about refugee crises, specifically within Delft University of Technology.

Events

Events


MAY 2ND - 2022 IAC'S
MOVIE NIGHT!
SHOWCASING: GRAVE OF THE FIREFLIES
ALL PROCEEDS BENEFITS
GO TO THE RED CROSS
RESTORING FAMILY LINKS
WHERE: RIETVELD THEATRE
TIME: 19:30 - 22:00
COSTS: 7,50 EUR (DRINKS & POPCORN INCLUDED)
ENERGY FOR REFUGEES
STUDENTEN DESK DELFT
Rode Kruis


STECK X ENERGY FOR REFUGEES
DISCO HOUSE
Party for charity
including free shot
MICHAEL DAVID
DJ SCHATJE
CURIOSITY KTC
11PM
10,- EUR*
GEWOON HITJES

Past projects

2018: Kara Tepe Camp

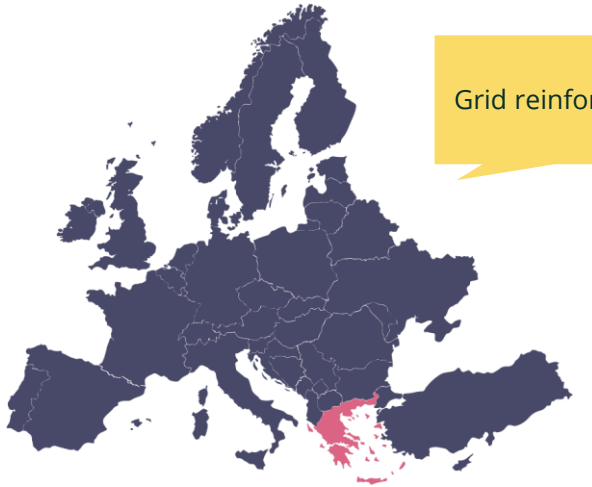
- 5kWp solar PV system in a classroom

2019: Moria Camp

- A **24kWp solar PV** system
- €20,000 funded by TU Delft faculties, Dutch companies, and crowdfunding

2020: Two projects

Street lighting
Solar water pumping



Grid reinforcement

NIGERIA – OVER 2 MILLION PEOPLE OF CONCERN

GREECE – 40,800 REFUGEES AND ASYLUM SEEKERS

Both projects had to be **cancelled** due to the travel restrictions as a result of the CoVid outbreak and due to the fire at the Moria Refugee camp.

2021: Mexico – FM4 Paso Libre shelter

- Refugee shelters like FM4 offer: bed, meals, shower, medical aid, ..etc.

- **Project:** Extending their **PV system** to make the shelter fully electricity **self-sufficient**. This will:
    - Reduce the **dependence** of the shelter on external parties
    - **Save costs**
    - **Reduce CO_2 emissions** by using a clean energy source
    - Reduce the impact of **power-outages**

2022: Greece - Habibi.Works

- Habibi.Works is an intercultural makers space that aims to empower refugees, giving them the possibility of creating what they need thanks to the many working areas present.
- EfR provided a 4.1 kWp solar system to power their computer and sawing areas.

2022: Greece - Habibi.Works

Team EFR 2023

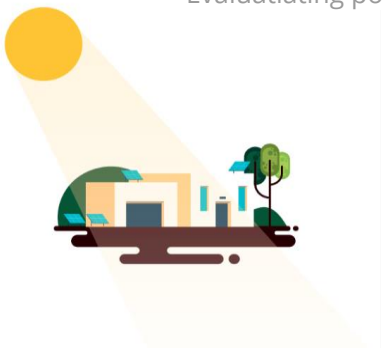
Project Breakdown

Preparation
Connecting to refugee organizations
Evaluatiating potential projects
Basic trainings

Site evaluation
Checking out the project location
Gathering relevant information

Installation & handover
Connecting to refugee organizations
Evaluatiating potential projects
Basic trainings

Design & Fundraising
Designing technical system/solution based on the stakeholder needs and requirements.
Collecting from TU Delft faculties, grants and companies.
Project specific trainings



Team

Team Leader
Coordinate team
Organize meetings
Find new projects

Finance & funding
Secure fundings
Write contracts

Engineering team
Sizing & Design
Integration
Installation

Project manager
Identify and prioritize tasks
Find bottlenecks

Communications/ Marketing
Promotion, also events
Social media

Logistics
Budgeting
Travel arrangements
Suppliers

Corporate relationships
Pitching
Networking

Timeline

12th October
Interest drink
Submit CV + motivation via email
1st selection

31st October
Deadline to apply

November
Interviews

December
Information transfer EfR 2022 → EfR 2023
First basic training

January
Official start EfR 2023

It's up to you!

Thank you for your attention!

Questions?

Reach out at board@energyforrefugees.com