

Energy Autonomy for Tamera

Introduction

Our aim is to implement a fully regenerative energy supply for Tamera. We are taking a modular approach which combines many available technologies and which can provide energy autonomy for a typical settlement, including low-infrastructure situations in the Global South, or refugee camps.

The components of this modular energy system include:

- Electrical autonomy for Tamera in cooperation with [Coopérnico](#)
- Cooking with biogas, direct sunlight and solar-heated hot oil
- Solar cooling, solar temperature regulation for buildings, with and without seasonal heat storage
- Solar electric transport
- A combined heat and power system run on wood, gas and biogas
- Various regenerative energy technologies for huts and temporary structures.



Project Overview

The next step is to install photovoltaic capacity in cooperation with [Copérnico](#). For this we need to install a second connection to the electrical grid.

After this, the next steps depend on our abilities to build. The [campus/community kitchens](#) currently have a high priority.

We are presently working on project planning, preparation and fundraising. For more details, please contact solarvillage@tamera.org.

Budget – Immediate Needs

Second grid connection: Cost depending on technical solution chosen.
Specialist Consultation: 2000 euros