

# Tansania – Nainokanoka – Power supply implementation – August, 2017

## Initial situation

- This project is a collaboration of 'Technik ohne Grenzen' (technology without borders) and the Afrika-Freundeskreis e.V. Due to a missing electrical power supply, we want to install a photovoltaics site on a school's roof in Nainokanoka, Tanzania. The produced electricity is supposed to power computers which shall be used to familiarise the above-mentioned school's students with those computers and to train them in using Microsoft Office. This should increase their employability.
- Dr Eliamani Laltaika and his on-site team transfer information to us about the locality and keeps us in the loop about the project in general.
- We have planned to buy the site's components on site (in Arusha) and to engage a local company for the technical design and installation. Thus, we also provide help for self-help.
- Dr. Gabriele Schrüfer, a member of the Afrika-Freundeskreis e.V., has given us the chance to become involved in the project. That's a fantastic opportunity for the Regional Group Amberg of 'Technik ohne Grenzen' to gather experiences in the field of photovoltaics and to establish contacts because we have already planned to realize a similar project for a school in Kenya.

## Tasks

- Collection of information concerning location, school, road connection to the village and the weather.
- Contacting of companies which sell necessary components, and others which can help us with the technical design and installation.
- Monitoring of the site's installation.
- Commissioning and final test of the photovoltaics site including a test while the computers are running.
- Training of on-site's project partners for maintenance and upkeep of the site.
- Site's final approval and hand-over to the on-site partners.
- Maintaining contact with local partners for solving potential problems and for receiving information about the site.

## Involved parties

### RG Amberg:

Projectleader: Matthias Janko  
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Project Couach: Fabian Süß  
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## Goals – Finance – Time Scale - Preexploration

G: Independent power supply for the school and computers used there as well as the maintenance of the photovoltaics site by trained local partners to make sure that the project can endure for many years. By doing this project we want to provide help for self-help in the fields of education and employment.

F: 7000€, the project will be financed by Afrika-Freundeskreis e.V.

T: Mid-February 2018 for about 3-4 weeks

P: Done by partner Dr. Eliamani Laltaika in Nainokanoka (photos, contacts...)