



INSTALLATION

# Solar Power for Hai Vocational Training Centre

## SUMMARY

<b>Country</b>	Tanzania
<b>Implementer</b>	Hai Vocational Training Centre
<b>Target groups</b>	Students in rural Tanzania
<b>Duration</b>	05/2018 – 07/2018
<b>Type of energy use</b>	Other

## CHALLENGE

The Maasai Steppe on the southern foothills of Mt. Kilimanjaro in northern Tanzania is traditionally home to many smallholders, most of whom are nomadic cattle breeders. Due to climate change, temperatures have been rising for years and rainfall, which normally happens in two seasons in spring and autumn, has been drastically shortened or in some years failed to occur at all. Apart from that, access to electricity remains limited in Tanzania. Especially in rural areas only about 25 % of households have access to electricity, compared to 75 % in urban areas.

## IMPACT LOGIC

The project focusses on supporting the Hai Vocational Training Centre in Hai district on the slopes of Mt. Kilimanjaro through solar PV installations. The centre focuses on providing high quality training to the local population in various fields. Local farmers are trained in sustainable agriculture, with a focus on combining different crops that are best adapted to the changing climate in order to maximise crop yields. In addition, the training centre offers special courses on topics like the duration of the rainy seasons, beekeeping or optimal use of small fields and difficult terrain such as the hills of Mt. Kilimanjaro. Besides agriculture, the training centre also offers courses in other areas: For example, Hai Vocational Training Centre trains local youth to become electricians, carpenters, bricklayers and more. Considering the potential for tourism in the region and the need for qualified personnel in this sector, the centre also offers classes on tourism management. To support this growing range of different training programmes, the centre is equipped with a new solar-powered water pump that can be used to reach the deep water reserves on the volcanic mountain slopes.

## INNOVATIVE PROJECT ELEMENTS

The project shows its innovative character by supporting a training institution located in a remote region of Tanzania. As solar energy has not been used to its full potential in the communities near Mt. Kilimanjaro, the project provides an introduction to the different opportunities that solar PV installations can offer to many people in the region. If students have the opportunity to interact with and learn about these technologies during their training, it helps to spread awareness about solar-powered installations.

## FURTHER INFORMATION

[www.gruene-buergerenergie.org](http://www.gruene-buergerenergie.org)