



INSTALLATION



MAINTENANCE

Enhancing Immunizations and Vaccinations Coverage in Moyo District

SUMMARY

Country	Uganda
Implementer	Moyo District Local Government
Target groups	Local population in Moyo District
Duration	05/2021 – 06/2022
Type of energy use	Cooling

CHALLENGE

In the Moyo region in northern Uganda on the border with Sudan, only every second inhabitant can be vaccinated. This means that the region falls short of the national immunisation and vaccination targets by 40%. The mortality rate among newborns and infants is correspondingly high, because meningitis, yellow fever, hepatitis, tetanus and measles are rampant in Moyo. Yellow fever and COVID-19 are spreading particularly rapidly and require remedial action. The reason for the poor vaccination rate is a lack of refrigeration facilities for vaccines, as only one of the 18 smaller health centres is connected to the national power grid and gas is only irregularly available as a source of energy.

IMPACT LOGIC

The Moyo district government first identifies the three most suitable health centres for electrification in a transparent selection process. Each health centre serves about 15,000 people. Once the appropriate technical equipment has been installed, some of the health centre staff are trained in its use and maintenance.

Electricity is crucial for ensuring quality health care and enables the uninterrupted delivery of the three main health services that are provided by health centre level IIs (a higher level stands for a larger and better equipped health centre as well as more funds from the government), namely treatment of outpatients, vaccination and emergency deliveries during night-time. The solar PV system is used for refrigeration of medicine, lighting and supplying power to other medical appliances at the health centres. This directly leads to improved working conditions for the health workers and better service delivery for the beneficiaries.

INNOVATIVE PROJECT ELEMENTS

The project provides health centre IIs in rural Moyo with cost-effective and sustainable solar PV systems, which provide power for vaccinerefrigerators, lighting, phone charging for staff and other medical appliances. This directly leads to improved working conditions for the health workers and better service delivery for the beneficiaries. Furthermore, the continuous electric power supply also has benefits for patients, who in addition to better possibilities for vaccinations also profit from being able to charge their own phones and other devices. Additionally, the Moyo District Local Government takes direct ownership of the solar PV system without involving other organisations. By training its own staff in maintenance it can set an example for other governmental organisations to become involved in installing and maintaining solar PV systems.

FURTHER INFORMATION

www.gruene-buergerenergie.org