

POWERGEN TANZANIA



Location
Tanzania

PROJECT SUMMARY

This project is being developed by PowerGen, which builds, owns and operates micro-grids in Tanzania and Kenya. Today, PowerGen manages over 3,500 customers across Tanzania and Kenya and plans to scale this up to over 100,000 customers within the next five years.

Customers will be able to pre-pay on a PAYG basis for clean, round-the-clock AC power using their mobile phones under plans to build hundreds of micro-grids in Tanzania using modular micro-grid systems.

The technology is based on a centralised solar PV-battery hybrid system with a distribution grid connecting households in the same village. The system is scalable and low emission, which makes it well-placed to be an integral part of the Kenyan and Tanzanian grids.

The developer aims to finance the first cohort of mini-grid installations themselves, expecting to provide first-time energy access to between 20,000 and 30,000 people in remote areas of Tanzania by 2023.

REPP support will provide financing for environmental and social impact assessments and improved access to investment from impact investors and donors, developing a commercially sustainable financial and business model for mini-grids across the region.

AT A GLANCE

Technology

Solar mini-grids



Project type

Off-grid

Offtaker

Off-grid
rural communities

KPIs



Greenhouse gas emissions avoided: 370 tCO₂e per year



People with first-time energy access: 20,000



Jobs created:
20 during construction,
10 during operation



Installed capacity:
1MW

FUNDING STRUCTURE

Contracted date

31 December 2016

Lending type

Development capital

REPP funding

USD \$345,000

"PowerGen is committed to transforming lives by providing access to clean and reliable energy, while simultaneously helping to build the energy system of the future in Africa. With REPP's support we are able to move this important work forward further and faster by overcoming some of the barriers that would otherwise hinder progress."

Aaron Cheng, President, PowerGen