Tanzania fact sheet

Two complimentary water projects address water and resource scarcity both inside and outside Nyarugusu Refugee Camp in Western Tanzania. The projects are run by Water Mission and funded by the Grundfos Foundation (Poul Due Jensen Foundation).

Nyarugusu Refugee Camp: Building the world's biggest solar powered waterwork

Nyarugusu is home to 145,000 refugees from DR Congo and Burundi. It was established in 1997 to host up to 50,000 Congolese refugees. With this project, we want to show the world that sustainable solar-powered water solutions are possible, also in refugee camps, and demonstrate large scale solar powered safe water projects are a viable solution across rural Tanzania.

- pdjf.dk/en/program/nyarugusu-refugee-camp/

Site in Nyarugusu	Population served	Volume pumped/day	Type of pump	No. of PV panels
Borehole 1	Up to 18.000	Up to 360 m^3/day	Grundfos SP 17-19	90 ea/27 kW
Borehole 2	65.000	1.700 m^3/day	Grundfos SP 77-9	280/99.4 kW
Borehole 3	Up to 60.000	1.200 m^3/day	Grundfos SP 30-21*	252/74.3 kW
Borehole 4	*Up to 65.000*	*1.300 m^3/day*	*Not yet WMT project*	*Not yet WMT project*
Borehole 5	*Up to 85.000*	*1.700 m^3/day*	*Not yet WMT project*	*Not yet WMT project*
Total	145.000	Up to 6.260 m^3/day		

** Borehole 3 pump will be changed to SP 77-9 and interconnected with 10" pipeline which will increase flow to 80 m^3day*

Host Communities: Reaching out beyond the refugee camps

Inside the camp, you find all sorts of provisions that the small rural communities outside the fence don't necessarily have access to. With this project, we seek to address some of the political discussions that follow when international aid and resources pass through poor communities to be distributed within the camp.

- pdjf.dk/en/program/host-communities-in-western-tanzania/

Host community	Population served	Volume pumped/day	Type of pump	No. of PV panels
Kasanda	5.900	Using about 20.000 litres/day	2 x Grundfos 11 SQF 2	12 x SW 295
Kakonko Secondary School	1.883	Using about 13.000 litres/day	2 x Grundfos 6 SQF 3	10 x SW 295
Zeze *(photo)*	5.100	Using about 20.000 litres	2 x Grundfos 11 SQF-2	10 x SW 295
Mvugwe	13.250	Design 73.000 litres/day	Grundfos SP 11-33 + RSI	64 x SW 295
Heru ushingo	7.774	Using about 20.000 litres/day	4x Grundfos 11 SQF-2	28 x SW 295
Kazilamihunda-Juhudi	5.900	Using about 7.000 litres/day	3 x Grundfos 6 SQF-3	18 x SW 295
Kalalangabo	6.585	Project beginning implementation; Design about 34.000 litres/day	Grundfos CR 5-36; 2 x Grundfos 11 SQF-2	40 x SW 295 (for surface pump); 10 x SQ 295 (for SQF pumps)
Matyazo	Est. 9.900	In final design	In final design	In final design
Total	56.000