

# Mono Solar Water Filtration System Provides Safe Drinking Water to the St Francis Hospital

## Background

The St Francis Nyenga Hospital is located in Nyenga, Uganda, close to the town of Jinja where the Nile River makes its long journey to Egypt from Lake Victoria. The Sisters of St. Francis have operated the hospital since its foundation in 1932.

St Francis Hospital offers medical services free of charge to the poor and needy through their interactive community health and medical care services. While building the community capacity and ownership through social service programs without gender or other forms of discrimination.

The Hospital provides much needed medical care to patients with leprosy, HIV, AIDS and TB. It also provides medical services to the transient fishing population on Lake Victoria. Most of the people visiting St Francis' hospital live below the poverty line.

## Water Supply

The Hospital has experienced problems with access to a reliable water supply for a number of years. Water is pumped from a small spring more than a kilometre away from the facility. The spring water is contaminated and all the water for the hospital needed to be boiled on a charcoal stove before it could be used. This added a significant cost to the operation of the hospital and seriously limited the volume of water available.

The surrounding community, of around 150 households and the local primary school also depends on the Hospital's water source, however as the water source was contaminated many people who consumed the untreated water end up contracting various water borne diseases.

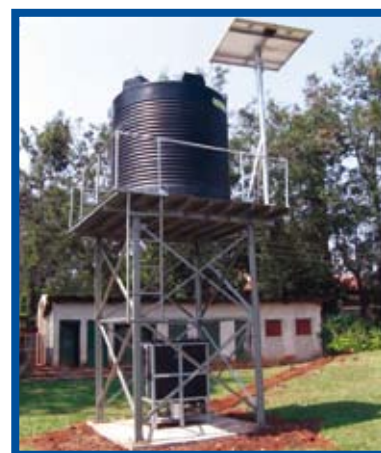
## Mono Solar Filtration Solution

In July 2008, Mono Pumps and Innovation Africa provided a solution to the water problems at St Francis Hospital with the donation of a Mono Solar Water Filtration system and clean water storage tank. The Solar filtration System pumps all the water through a GE Ultra Filtration Membrane to remove any pathogens, bacteria or viruses before storing the water in the elevated clean water tank. The hospital and surrounding community can now draw on over 10,000 litres of clean\* water everyday.

The filtration system is fully automatic so that the Sisters of St. Francis can now concentrate on attending to the needs of their patients rather than having to collect and boil water.

For more information please contact Mono Pumps at [global.solar@nov.com](mailto:global.solar@nov.com) or visit [www.monopumps.com](http://www.monopumps.com).

\*Final water quality is dependant on the quality and profile of the source water and the in-country drinking water quality guidelines.



Water supply system at St Francis Hospital.



Mono Solar Filtration Unit designed in conjunction with GE.



Sister Goreth receives the Mono Solar Filtration System from Athol Wriath.



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