



Our activities in a nutshell

Potable water supply:

In line with our mission of ensuring that rural communities of Ghana have access to safe drinking water and good sanitation, we are proud to have successfully completed safe water projects in several communities.

Rainwater harvesting:

Rainwater harvesting is the accumulating and storing of rainwater for reuse. It has been used to provide drinking water, water for livestock, water irrigation, as well as other typical uses. Rainwater collected from the roofs of houses and local institutions can make an important contribution to the availability of drinking water.

Geophysical survey:

Under the local geological conditions it is possible with geophysical measuring equipment to locate more precisely the best place for a well. We are in possession of the equipment and do this research.



We pride ourselves on customer service and are happy to help you in any way we can. Please call us for an informal no obligation discussion on your next project or future requirements.

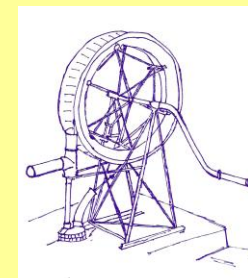
Contacts:

PUMPING IS LIFE

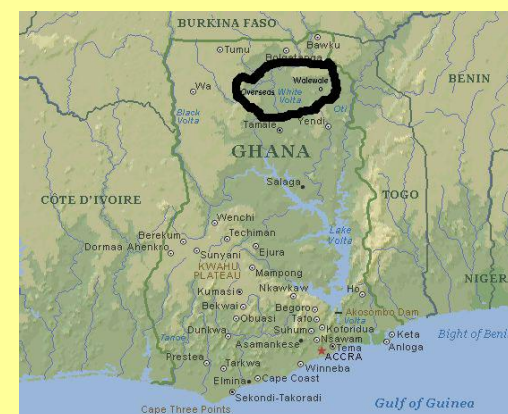
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Foundation Pumping is Life Walewale



Northern Region Ghana



Pumping is Life.

Pumping is Life was established in 1997. Supervised by the Dutch NGO "Pompen is Leven" Ghanaian employees were trained in the drilling of wells and the installation of pumps. Depending on the soil, we use two drilling techniques, the Cable tool percussion technique



and the Rota sludge technique.



After completion of the well, a rope pump will be installed. The rope pump is an efficient and low-cost solution for small-scale drinking water systems. The rope pump is built locally with materials that can be acquired in the area – steel PVC pipes and used car tires. The only requirement is the existence of a workshop with machines for welding and cutting steel.

In our area we have several workshops and specialized professionals. The installation of the Rope pump is easy and does not need any lifting equipment or special tools. The pumps are generally installed in hand-dug wells but also versions that fit into boreholes are available. Our company has the necessary experience. In 2012, more than two hundred and fifty water wells were handed over to a family.

Rainwater harvesting

Rainwater collected from the roofs of houses and local institutions can make an important contribution to the availability of drinking water.



Rainwater harvesting systems can be simple to construct from inexpensive local materials, and are potentially successful in most habitable locations. Overflow from rainwater harvesting tank systems can be used to refill aquifers in a process called groundwater recharge. In the village Kpasenkpe we build 70 rainwater harvesting systems with a capacity of 800 liter each. Three others were constructed in West Mamprusi having a capacity of 40.000 liter.

Geophysical surveys and siting studies

Pumping is Life carries out siting studies before a well is drilled. This is to identify the most optimum drilling location regarding drilling possibilities and availability of groundwater. Pumping is Life uses the so-called electromagnetic investigation, using a Geonics EM 34. The EM 34 uses two coils separated with a certain fixed distance. By sending a current through the first coil a magnetic field in the soil will be developed. This first magnetic field will occur a small current in the second coil. By measuring the distance and difference in current and strength of magnetic field the soil resistivity is calculated. Depending on the distance between the coils and the direction of the coils the earth is surveyed till increasing depth. Comparing the resistivity with soil characteristics at known places one can interpret the survey into the potential of water bearing layers.

