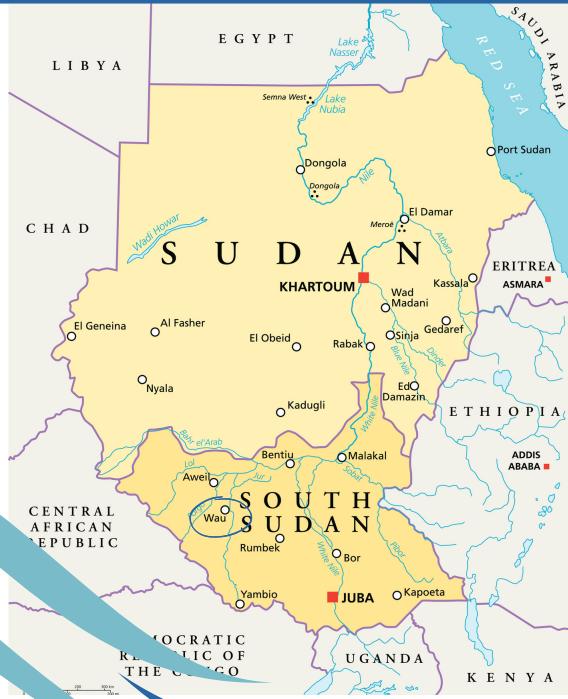


ROTARY DISTRICT GRANT REQUEST

AFFORDABLE WASH FOR WAU

SOUTH SUDAN



CONTEXT

South Sudan is one of the world's newest states and one of its poorest. A recent violent civil war has displaced many people. Some of these families have begun to return to their villages.

- 40% POP. ACCESS TO SAFE WATER
- 10% HAVE IMPROVED SANITATION

UNICEF

To collect water in rural areas from an improved water source, women and children often have to walk 1 km or more.

Collecting water is also a risk for violence against women and girls where people now collect water from open hand dug wells which are often contaminated resulting in water-related diseases.

SMART TECHS

TRAINING THE LOCAL PRIVATE SECTOR IN
SIMPLE, MARKET-BASED, AFFORDABLE,
REPAIRABLE TECHNOLOGIES

PROJECT DESCRIPTION

This project, located around Wau (in the west of the country), improve the Water, Sanitation and Hygiene (WASH) situation through low-cost technologies produced by local artisans.

This concept is successful in other African countries where local artisans are trained in SMARTechs.

Examples are groundwater tube recharge, manual well drilling, rope pumps, household water filters and SaTopan latrines.

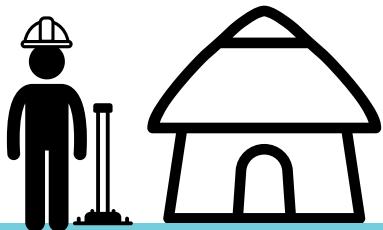
By combining small tube wells with locally produced drill sets and hand pumps, the cost of wells, including a water filter, training in production and maintenance transport etc. is on average \$1500/ well.

A well provides water to an average of 50 people and will include also improved sanitation.

It allows us to reach sparsely populated rural areas where large machine drilled boreholes are too expensive. The new low cost technologies make this possible.



MODULAR APPROACH: COST \$1,500 EACH



FAMILY WELL



ONE MANUAL WELL DRILLER TRAINED.

ONE SELECTED FAMILY TRAINED TO PROTECT, MAINTAIN & MANAGE ONE WELL.

THIS WELL TO PROVIDE SAFE DRINKING WATER TO 9 OTHER FAMILIES NEAR THE WELL.

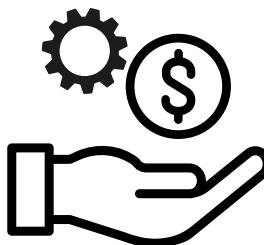
ALL FAMILIES RECEIVE TRAINING IN HYGIENE, SANITATION & WATER STORAGE IN THE HOME.



X

40

=



\$1,500

MODULES

\$60,000

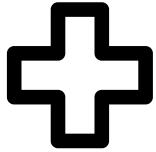
2,000 PEOPLE

IMPACTS



GENDER

Less time collecting water, less risk of violence enroute to water.



HEALTH

Reduced disease and improved health with clean water access.



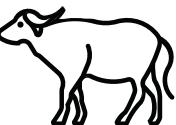
RURAL POVERTY



Increased family incomes with water on premises.



FOOD SECURITY



More water for watering animals and small scale irrigation, food security, especially in the dry season.



1 NO POVERTY



2 ZERO HUNGER



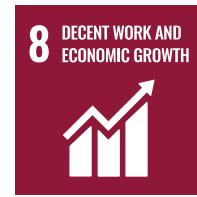
3 GOOD HEALTH AND WELL-BEING



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



8 DECENT WORK AND ECONOMIC GROWTH



E-Club of WASH D9999

CONTACT

JIM MCGILL

+227 7038 6996

mcgillwatsan@gmail.com