

# 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.

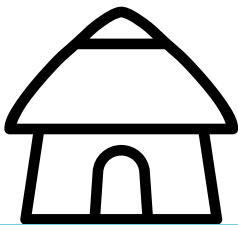
A well provides water to an average of 50 people and will include also improved sanitation.

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



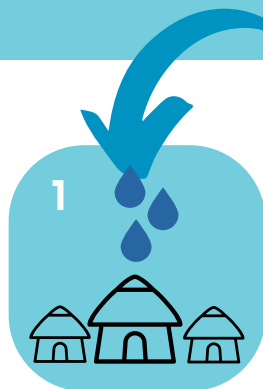
SERVES  
**50**  
PEOPLE

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.

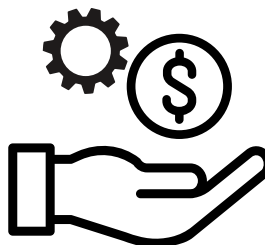


**\$1,500**

**X 40**

**MODULES**

**=**



**\$60,000**



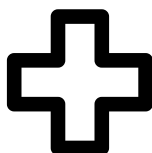
**2,000 PEOPLE**

# 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



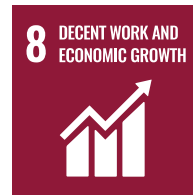
Increased family incomes  
with water on premises.



## FOOD SECURITY



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



E-Club of WASH  
D9999

## CONTACT

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