

BRINGING CLEAN WATER TO DEVELOPING COUNTRIES THRU SUSTAINABLE DRILLING SOLUTIONS



**WATER HEALTH**

**OPPORTUNITY**



**THE VILLAGE DRILL**

INNOVATIVE. POWERFUL. TRANSPORTABLE. DRILLING IN 75% MORE PLACES FOR 75% LESS COST

**THE VILLAGE DRILL IS POWERFUL,  
NOT JUST BECAUSE IT CAN DRILL IN 75% MORE PLACES  
FOR 75% LESS COST THAN TRADITIONAL METHODS, BUT BECAUSE IT  
OFFERS A SUSTAINABLE AND LOCAL SOLUTION TO THE WORLD'S  
GREATEST CRISIS...SCARCE AND CONTAMINATED WATER.**

**JOIN US TO ALLOW EVERY HUMAN BEING  
ACCESS TO LIFESAVING,  
CLEAN WATER.**



Over one billion people suffer each day from scarce and contaminated water. This results in the death of over 3.4 MILLION PEOPLE every year.

*Over the last 50 years, over \$1 trillion in aid has been transferred to Africa. Millions in Africa are poorer today because of aid; misery and poverty have not ended, but have increased.*

- Dambisa Moyo, Author of **Dead Aid**, published in 2009

## CREATING OPPORTUNITY NOT DEPENDENCY

Our mission is to save and improve millions of lives by providing sustainable water, health, and economic opportunities to people throughout the developing world.



WATER



HEALTH



OPPORTUNITY

## THE CREATION OF THE VILLAGE DRILL

The Village Drill was created in 2010 after a series of events that John Renouard, president and founder of WHOlives and The Village Drill, had while on a humanitarian trip with his family in East Africa.

On the trip, John quickly realized how the lack of access to clean water was at the heart of most problems people faced every day, and was determined to do something about it.

Shortly after returning home, John had a dream about a human-powered drill which could drill wells and provide access to clean water. The following day he received a call from Brigham Young University Engineering Department and after months of hard work, The Village Drill was developed.

If all the bodies of those who have died in the last year from waterborne diseases were laid side-by-side, the bodies would stretch from the California coast to New York, and 160 miles into the Atlantic Ocean.



## SUSTAINABILITY

WHOlives and The Village Drill create a sustainable social and economic impact by providing a cost effective method of accessing clean water reserves. The results have been far-reaching, and the impact is life-changing for the hundreds of thousands who are now blessed with clean water.

*Because we encourage local ownership and economic viability with each installed water system, the wells are operated by local people and maintained long after we are gone.\**

Improves Individual & Community Health

Creates New Businesses and Jobs

Increases School Attendance, Especially for Girls.

Improves Sanitation

Creates Equal Access to Water for Remote, and Rural Communities

Substantially Increases Farming Yields

## IMPACT ON PEOPLE & LOCATIONS

WHOlives is an award-winning, world-wide organization serving people in developing nations across the globe. The Village Drill is being used in about 3 dozen countries on 3 continents with over two thousand wells placed since 2013, giving water to over 2 million people. There's so much more to be done!

## WATER IS PARAMOUNT TO THE SUCCESS OF THE DEVELOPING WORLD.



Whether the end goal is to improve health, provide education or develop agriculture, WHOlives and The Village Drill improves those projects by providing the tools necessary to create sustainable businesses, jobs and most importantly, access to clean water.



### HEALTH & EDUCATION

*School-owned wells can provide an additional income source for the school. On average, school wells can raise \$12 per day, \$360 per month, or \$4300 per year.*

*Additional income is used to purchase books, pay teacher salaries, provide field trips and purchase other school supplies.*

In 2005 nearly 800 million people were suffering from scarce and contaminated water. That number ballooned to nearly 1 billion people by 2015, despite the hundreds of millions of dollars spent in aid. With your involvement, WHOlives and The Village Drill can reverse that trend.

Mainly due to scarce and contaminated water, more than one in four children in developing regions entering primary school are likely to drop out. Over 781 million adults and 126 million youth worldwide lack basic literacy skills, and more than 60 percent of them are women\*.

Without water, girls have no access to adequate sanitation facilities and cannot attend school while menstruating. Dirty water spreads disease and sick children are unable to attend their classes. Since advancement in school depends upon standardized testing—given on absolute test dates—if a student has the misfortune of being sick on the date of a test, his or her life can be changed forever\*.

Providing a well at a school allows girls to spend their time learning instead of collecting water. Schools that have access to clean water sources typically show a 30% or greater increase in attendance.

\*Statistics provided by The United Nations in, "The Millennium Development Goals Report 2014"



*It is nearly impossible to rebuild communities that have been affected by disaster without first having access to clean water.*



## DISASTER RELIEF

Clean water is one of the most important resources needed after a natural disaster. Without water, injuries cannot be sufficiently treated and disease spreads quickly.

The Village Drill provides fast, affordable and sustainable water sources to affected areas. Because of its mobile design, it can be easily transported to even the most remote locations and can be used to drill multiple water points.



## AGRICULTURE

Ninety percent of farmers rely solely on rain to irrigate their crops. This creates a huge risks of crop failure. Even a mild drought could decimate an entire harvest. Without easy access to water, farmers are restricted to low quality crops and growing seasons.

Access to water allows farmers to grow less drought resistant crops which typically have higher nutritional value and can be sold at a greater price. Access to water also enables farmers to grow crops during the dry seasons. The additional growing cycle produces more food with less competition, there by dramatically increasing farmer's profits.

# THE VILLAGE DRILL

Powerful - Portable - Performance

**GLOBAL LEADERS IN MANUAL  
DRILLING TECHNOLOGY**

## DRILL SPECIFICATIONS

- ◆ Heavy Duty Steel Construction
- ◆ Maximum Drill Depth: 90m (295ft.)
- ◆ Industrial Strength Commercial Drill Bit Kit
- ◆ Redesigned Frame For Added Strength and Weight Reduction
- ◆ Double Hydraulic Acting Ram Delivering 6 tons of force
- ◆ Shipping Crate Dimensions:
  1. 96"L x 52"W x 37"H -- 1,850 lbs
  2. 42"L x 38"W x 24"H -- 855 lbs



## WHAT'S INCLUDED

- ◆ Complete Village Drill Structure
- ◆ 50 (3') Sections of Drill String
- ◆ 5.5 hp Honda Water Pump
- ◆ Four Industrial Drilling Bits
- ◆ Three Bags of Bentonite
- ◆ Industrial Mud Mixer
- ◆ Hydraulic "Rock Ram" with Attachment
- ◆ Commercial Swivel with attachments
- ◆ Tools and miscellaneous supplies to start drilling out of the box

## VILLAGE DRILL PACKAGE

**\$22,500**

[www.villagedrill.com](http://www.villagedrill.com) | 888.675.4837 | [info@villagedrill.com](mailto:info@villagedrill.com)

Picture does not include all items or current models sold



## INVESTING IN HUMAN POWER

The Village Drill creates significant social and economic impact; empowering individuals and communities by providing a cost effective method of accessing clean water reserves.

Although countless organizations work every day to bring clean water to those who need it, most do so at an unsustainable cost. Instead of mis-allocating millions of dollars to use large drill rigs (a system which creates greater dependency), **WHOlives invests in something much more sustainable: Human Power.** And unlike big drilling rigs, The Village Drill can drill in **75% more places for 75% less cost.**

## ELIMINATING POVERTY

The Village Drill is the leading piece of technology in the fight against poverty. There are no examples of communities that have eliminated poverty without first solving the problem of accessing clean water.

In most developing regions the biggest problem isn't a lack of clean water but the lack of access to the water. In most regions, clean water is usually found 90-150 ft below the surface of the earth.

## THE PROCESS



A local Village Drill team is hired by a school, community, individual or farmer to drill a borehole for a fraction of traditional well costs. The team then locates the best location for the well, and drilling begins. The process from start to finish is usually between 1 to 3 days.



After the borehole is drilled, and sufficient water flow is established, the team completes the installation of the well. The well is developed with casing and pumps.



Once the well is set, the pump can be installed. The most durable and common pumps are hand pumps but the borehole can accept most other pumps, including electric and solar-powered.



## DRILLING & SUSTAINABILITY

By establishing local ownership and economic viability, The Village Drill system is maintained locally and remains operable long after the completion of the first project.

Village Drill teams most commonly drill for local schools, individuals, communities and farmers at an affordable and sustainable, market-driven price. The Village Drill, if not the only tool, is the best tool to combine enough strength, simplicity, and durability to enable local teams the ability to run a successful and profitable drilling business.



## WELL & PUMP OWNERSHIP

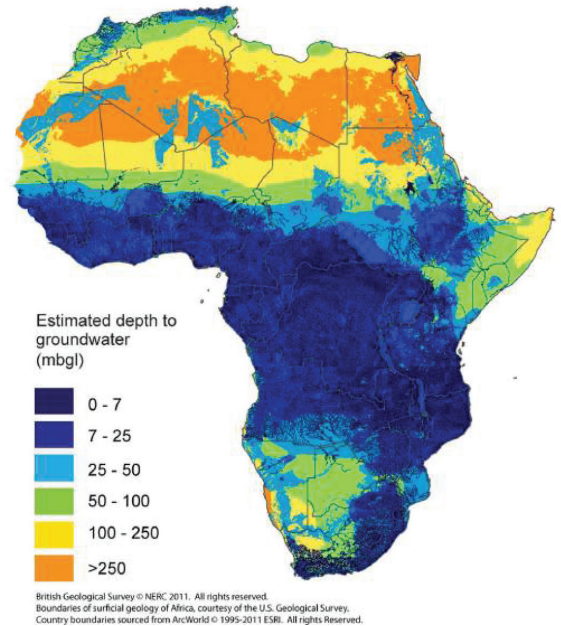
In the traditional, flawed system, pumps and wells were usually given freely to communities, but with no sense of ownership, the pumps were rarely maintained.

The Village Drill's model is built upon the need for ownership and provides economic benefits, so maintenance and access to clean water is continuous.

## CREATES NEW BUSINESS

The Village Drill is the perfect tool to supply to hard-working entrepreneurs. The Village Drill allows teams to drill efficiently through tough substrate resulting in more furnished and operating wells. The drill is durable, can be used continually for years of uninterrupted drilling, and is easily transported so drilling is possible in even the most remote locations.

The low cost and robust nature of The Village Drill allows entrepreneurs the ability to create a successful drilling business that was nearly impossible with any other drilling methods.



*There is not a lack of water in Africa, just a lack of access!*



*“The Village Drill will do for water what the automobile did for transportation.”*

*– Dr. Joel Freeman, Speaker, Author & Culture Change Specialist*

## THE PROBLEM

There are only a few tools available to drill boreholes and most are inefficient, difficult to use or are too expensive to be sustainable.



### AUGER OR CABLE TOOLS

1. Slow method of drilling.
2. Can typically only drill to shallow depths that are still contaminated by runoff pollution.
3. Difficult to drill past many substrates such as sand, silt, hard clay, and rock.

### LARGE DRILL RIGS

1. Too expensive to operate.
2. Locally unsustainable due to lack of ownership and high cost associated with drilling.
3. Cannot access 75% of the population in need due to its size, and inability to travel on unimproved roads.



*The developing world is littered with broken pumps and contaminated wells installed by well-meaning organizations and individuals.*

*We provide a sustainable model which creates opportunity rather than dependency.*

## THE SOLUTION: THE VILLAGE DRILL

The Village Drill can do what most other tools cannot. Why?

1. It's transportable and can access 75% more places for 75% less cost than big rigs.
2. It has the ability to drill past substrates such as sand, silt, hard clay, and water-bearing rock.
3. It's the best tool to create a sustainable low-cost drilling business.

## ECONOMIC OPPORTUNITY

### Eliminating Dependency and Creating Self-Reliance

The Perpetual Well Fund and Micro-Finance Institutions (MFI) make it possible for nearly any community, school or farmer to have a well drilled at a location of their choice without government, NGO or outside assistance. It is truly a "Water for all" approach. We eliminate dependency and create self-reliance. As more and more communities adopt self-reliance over dependency the laws of economic prosperity can take hold and poverty can be eradicated.

*Generating constant income is the key to creating a sustainable and profitable drilling business.*

# FREQUENTLY ASKED QUESTIONS



**Q** How deep can The Village Drill, drill?

**A:** The Village Drill is engineered to drill up to 90 meters (295'); however, we do not recommend inexperienced crews to drill more than 50 meters. The average depth to an aquifer drilled by a Village Drill is 42 meters (125').

**Q** Can The Village Drill drill through hard soil or rock?

**A:** The Village Drill can penetrate almost any substrate, including soft soil, sand, hard clay, coral, and nearly all water-bearing rock.

**Q** How do I learn to use The Village Drill? Do you provide training?

**A:** Learning how to operate The Village Drill only takes a couple of hours. General drilling principles like where to drill or how to install a pump can be done with a local, experienced driller. Site training may be available, depending on location. Over 1,100 pages of digital training manuals and online videos are made available after purchase.



**Q** Where is The Village Drill manufactured?

**A:** The Village Drill is currently manufactured and shipped from Utah, USA.

**Q** How much does The Village Drill cost?

**A:** The cost, with all tools and commercial drilling components to start a drilling operation, is \$22,500 USD, about the same cost as **ONE** drilled well from a large drill rig. (Shipping costs vary by location. Please call for quote.)

**LEARN MORE:**  
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