

BONDH E SHAMS

THE SOLAR WATER PROJECT

A global water and tech non-profit committed to developing and deploying affordable and sustainable water projects to water-starved communities.

 www.bondheshams.org





I have been diagnosed for years with symptoms of kidney and bladder infection. When the box arrived, I decided to try the filtered water from it. Thank God until this day the symptoms never came back again.



Hafsa Al-Shaab

Al-Kabeer Village



I was trying to move to any other place to escape the bad situation here which impacted the life and health of my children. When the OASIS Box arrived – thank God. The situation has changed a lot in terms of easy access to water & pure water.



Sadiq Al-Maleki

Al-Jabaleen village, Al-hadabah



The OASIS Box will make possible a revolution in water provision.



Steve Roesse

Water is Basic



Having lived in remote mountainous areas, we had not imagined such a technology to exist. Having the OASIS Box in our community is such a relief. The community is grateful to have clean water in our village, for years to come.



Salahudin

Lakki Marwat



Who We are

Bondh E Shams translates to **“droplets from the sun”** and is a reflection of our mission to uphold the human right to access safe and clean water while also maintaining a sustainable environment.

Our Impact



04

Countries

Pakistan, South Sudan,
Yemen, Bangladesh



50,000,000+

Cups of Clean Water

Provided since 2014



150 TONNES

Carbon Offset

Per Unit / Year



Local Partnership

Strong local partnerships across native nonprofits and local leadership are key to our success.



100% Transparent

Our donors have 24/7 access to our live impact reporting via our website and can request detailed financial reports as well.



<7% Admin Costs

Our lean operational team and core base of volunteers ensure your donations go directly to impacted communities.



Carbon-Neutral & Zero Plastic Waste

Our donors have 24/7 access to our live impact reporting via our website and can request detailed financial reports as well.

Global Water Crisis



1.2BN
Lack Water



3.4M
Child Deaths / Year



90%
Collection by Women

Why is Clean Water so Important?



Health



Education



Gender Equality



Our Motivation Comes From Real Experience

On his seventh birthday, our Founder, Hamza was diagnosed with typhoid due to unsafe water in his village in rural Pakistan. He was among the lucky ones who survived. Hamza pledged to take action.

He won a Davis Projects for Peace grant in 2014 while studying at Williams College, USA and created a solar-powered water filtration solution for his own village so no one from his village would fall sick from water, ever again

OASIS Box

A Smart Solution to the Global Water Crisis



We have developed an innovative, solar-powered, water extraction and filtration system called the OASIS Box - a proprietary technology that is sustainable, cost-efficient, and transportable: perfectly suited for distant and water-scarce villages.



10,000

Liters of Water Daily



\$5,000

Per OASIS Box



25

Years of Clean Water



OASIS Box

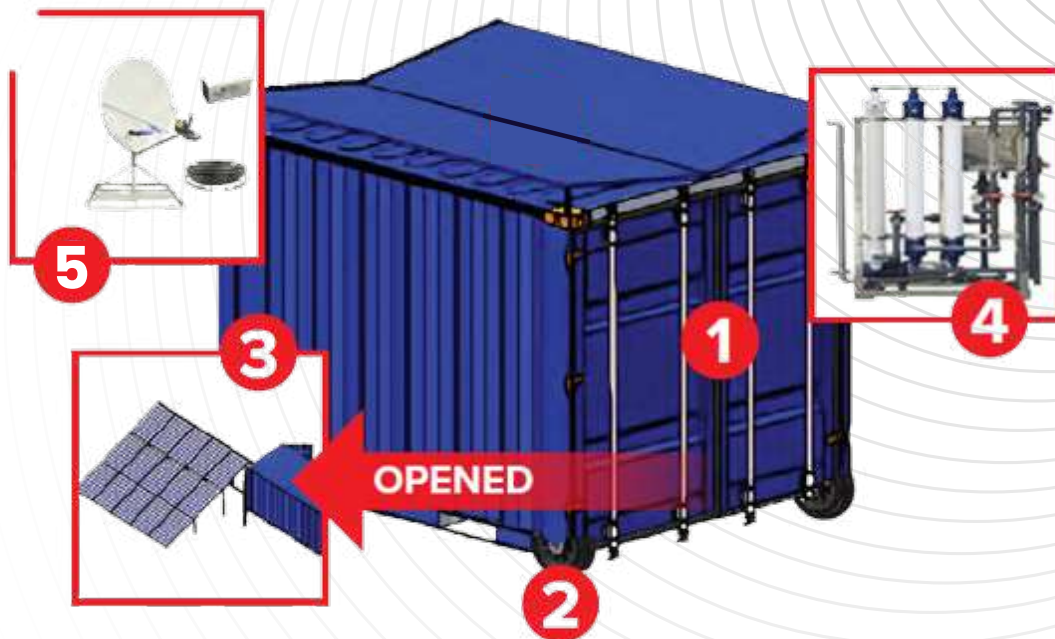


Water Source



25+ years
water supply

OASIS Box: Key Features



01 PROTECTED

Enclosed mechanical design ensures safety and durability in rough conditions.



02 PORTABLE

Containerized design with industrial tires for sea & road transport. "IKEA-style" assembly allows system setup in record 7 mins.



03 RENEWABLE

Solar panels power clean water production & support an embedded phone charging station.



04 FILTRATION

Removes 99.9999% of bacterial and arsenic contamination.



05 LIVE DATA

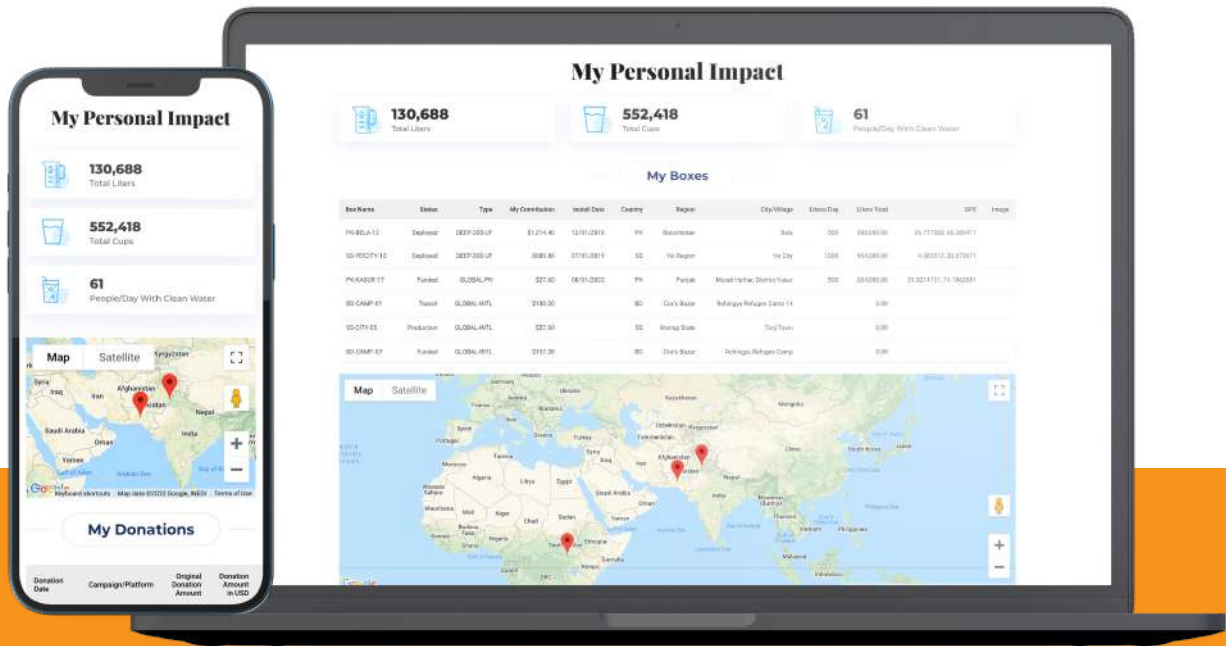
Volume and performance data shared daily for donor reports & audited transparency.

Each system can produce **10,000 liters** per day or serves **5,000 people** (at 2 liters/ person). **The OASIS Box** was developed as a long-term solution and can last for 25+ years with minimal maintenance.

Unique Impact

Tracking Technology

One of our key achievements is allowing robust transparency to our donors through a one-of-its-kind impact data tracking portal that tracks the journey of our OASIS Box from the time it was funded to the day it gets deployed including the GPS location and real-time quality and quantity of water served by our clean water projects.



The OASIS Box is highly adaptable to:

01 The depth of underlying groundwater source

02 The severity of water contamination

03 Solar power and type of water filtration included (see right for more detail).

Depending on the needs of the site and model of the OASIS Box used, we can cater to any or all of them with custom-engineered systems:

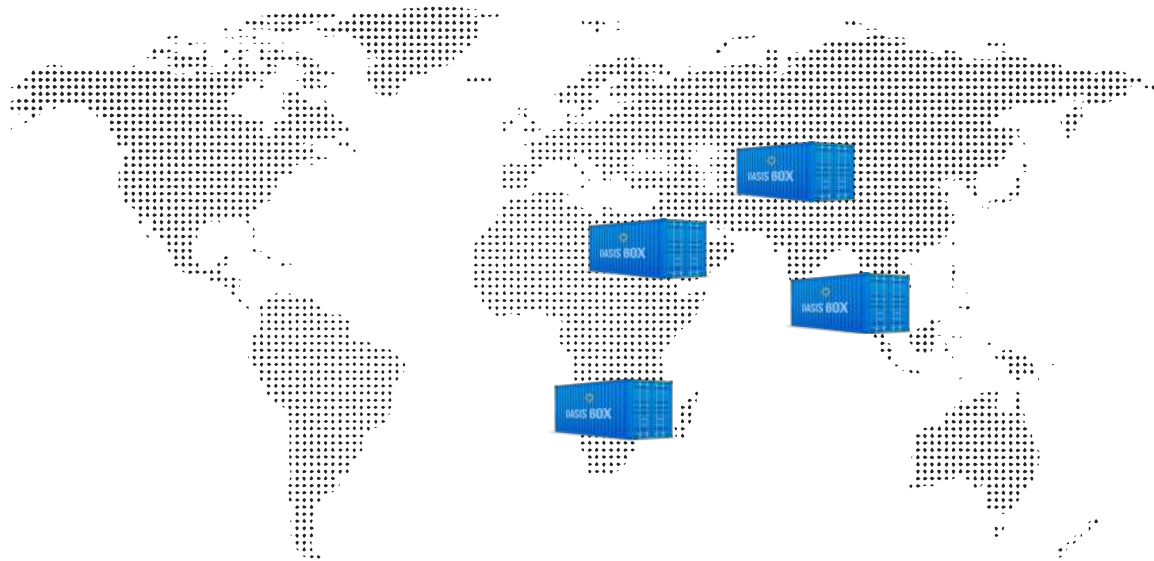
Contamination	The OASIS Box
Algae	✓
Arsenic	✓
Bacteria	✓
Rust	✓
Taste/Odor	✓
Viruses	✓

Our Mission

Safe Access to Clean Water for All

Our work began in our founder's village in Pakistan in 2014. Since then, we have provided **50 Million+** cups of clean water across Pakistan, South Sudan & Yemen. Starting with a mission to reach 1 Million people with clean water in 2022, we want to reach 1.2 Billion water-starved people around the globe.

We receive hundreds of community nominations on our website and these short-listed communities are a reflection of both the severity of the water need as well as the depth of our local network. Our eventual aim is to install our OASIS Boxes the world over.



Technology Comparison



FEATURES

THE OASIS BOX

HAND PUMP



Power Source

100% Solar Powered

Solar Powered

Manual

Difficult for children & elderly



Life & Maintenance

25 Years

Our guarantee + automate alerts

***6-24 Months**

30%-40% handpumps at present are broken



Water Quality

Filtered & Clean

99.99999% contaminants removed

Not Filtered

Risk of water-borne diseases



Impact Transparency

Daily Tracking

using online water meters

No Live Monitoring

*Source: National Centre of Biotechnology Information 2015 Africa Study Practica.org

Case Studies



Pakistan

Location: District Omerkot and Sanghar, Sindh



Yemen

Location: Ibb and Taiz, Yemen



For more details, visit

www.bondheshams.org/impact



Donate Now

www.bondheshams.org/donate

Join Our Mission

Nominate a Community

To nominate a community, please note the following parameters to understand the applicability of the OASIS Box in the target area:



01



Borehole

Depth:

Less than 120ft

Diameter:

3 inches



Water Well

Depth:

Less than 120ft



Surface Water: Lake / Pond

Depth:

Enough for the submersible pump

02

Water Quality Test

For an OASIS Box to work effectively, we require the following parameters around water quality:

TDS (Total Dissolved Solids): <1000 **Water Taste:** Should not be salty

03

Community Specification

Community Size: Upto 500 people per community. The water from the OASIS Box should be accessible to everyone at all conditions.

04

Land Allocation

OASIS Box Occupies 6 / 6 ft land area

Be a part of our Water Makers Initiative





BONDH E SHAMS

THE SOLAR WATER PROJECT

We share the dream of a world with safe and affordable access to clean water for all.



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