

SERVICE:

Solarcatcher®

World leading water treatment technology bringing water to water stressed environments.

Water is our world.

SOLARCATCHER®

A problem for the developing world is communities off grid not only for power but also water and sewage. Pioneered in the jungles and rainforests of South East Asia SOLARCATCHER® answers this conundrum.

Key to this is the low pressure requirement of ultrafiltration providing safe, potable water by a single pass from an undrinkable source.

Feed water

Borehole, well or surface brackish water	
Feed water maximum temp	40°C
Turbidity	ND
pH	4 ~ 10

Treated water

Bacterial Rejection	99.9999%
Colon Bacillus Rejection	99.9999%
Turbidity	<0.1NTU
Organics (as TOC)	<0.5
Colour	<1° Hazen
Taste	Non Detectable
Odour	Non Detectable

Agricultural irrigation

Submerged borehole pump providing clear potable water irrigation and village water supply in rural South East Asia via primary self cleaning filters and ultrafiltration.



Photo right:
Submerged borehole pump

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Photo right illustrates some of the pathogens found in untreated water - E.Coli, Salmonella typhi, Schistosoma, Cholera vibrios, Hepatitis A

Photo copyright Esther Havens

Unsafe water "kills more women than Aids and Breast Cancer"

"92 newshd.tv"

Photo right: Submerged well pump with ultrafilter providing clear potable water for local consumption

Mongolia

Unseen hazards

Much of the world's available water is unfit for human consumption.

Turbidity is the haziness of water due to particles that individually are invisible to the unaided eye.

Effects of turbidity include gastrointestinal disease.

Ultrafiltration combats Turbidity with absolute rejection of pathogenic bacteria.



Oasis

A simple but robust solution to remote or even less than remote situations with problematical water supply quality lacking adequate or complete power supplies.

Ideal for remote applications be they fixed or nomadic communities, development or construction locations or military deployments.

Modular in construction the only limitation is available water source.



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