



A Word on our Company

Article I of the United Nations's Resolution 64/292 recognizes clean water as "indispensable for leading a life in human dignity" and a "prerequisite for all other human rights." Yet today over 800 million people worldwide still lack consistent access to clean water. Our work and mission at LivingWaters Systems ('LivingWaters') is to provide water and sanitation solutions to non-profits, government agencies and the private sector that are cost-effective, easy to use, and built to last.

<u>Our</u> Team

Joshua Kao Gabriela Saade Joseph Bajor Melis Ozkan Caleb Kao Sakshi Sardar (advisor)



Introduction

The Problem

Over 25% of the world does not have consistent access to clean water, in large part due to lack of water supply networks. Absence of infrastructural access forces families to spend hours daily collecting water from distant hand pumps or 15-40% of their annual income procuring water from water tankers.

The UN reports a per-person capex of \$80-130 to build infrastructure to supply water using traditional methods (see righthand images), amounting to billions spent on water provisions every year*. This substantial upfront cost is also why water infrastructure in over 50% of the world's refugee camps and informal settlements is lacking or non-existent.



Water Tankers

- High premium recurring costs
- Not ideal for remote locations
- Insufficient for supplying a whole settlement's needs
- Creates large amounts of emissions

Two Most Common Methods of Water Provision in Informal Settlements



Borewell Drilling

- High upfront costs
- Requires consistent upkeep
- Open water source; prone to contamination and/or poisoning

The Impact Potential for Rainwater Harvesting

Harnessing the atmosphere's According to the United solar distillation processes, rainwater is the cleanest naturally recurring source of water. Contamination occurs only once rainfall comes in contact with unhygienic surfaces during a given downpour.

Nations Environmental Programme, the water crisis in Sub-Saharan Africa, the largest water-stressed zone in the world, is due to a lack of infrastructure spending and would not be classified as water stressed if rainwater harvesting was taken into account.



LivingWaters Systems

The world's first massproduced portable rainwater harvesting guttering systems for refugee and off-grid settlements.

Our simple portable guttering units capture, filter, and store an renewable supply of clean water for our consumers right at their doorsteps. Leveraging the surface area of the user's home, it takes a single individual no more than 30 minutes to set up. Our product suite is ideal for disaster relief situations as well as more permanent refugee and informal settlements for supplementing essential household needs like drinking, bathing, and irrigating crops.







The LivingWaters System

Our flagship rainwater harvesting gutter system. It is the world's first rain gutter unit compatible with both tents and residential housing in rural and informal settlements. Collects and filters rainfall via first screening and a 0.2 micron sediment filter.



Optional Add-Ons & Accessories



Each LivingWaters Relief Kit Has

A foldable suspension gutter

Chlorine tablets for four years

A collapsible storage barrel with sediment filter

Our Unit Economics

Sales Price

\$60

Materials & Manufacturing

---- \$1

Shipping & Spoilage

\$4

Contribution Margin

\$41



Joshua Kao Inventor, CEO siness creation and



Gabriela Saade COO

. 3000 Venezuelans with basic healthcare and hygiene supplies.





Sakshi Sardar Advisor



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Joseph Bajor

CTO

Caleb Kao CFO

Our CFO Caleb is a graduate public policy University of Chicago with expertise in





Melis Ozkan Head of Research and Development

Melis is a B.S. in Chicago passionate about social impact and orienting hospital systems to be more patient-focused.



The women of Kushalgarh, one of several villages we visited in Rajasthan, were faced with two options, a single handpump laced with dangerous levels of fluoride or the water tankers, who charged 700-100 INR, or 10-13 US dollars twice a month to re-supply them with water.

> Dr. Sakshi Sardar Advisor and Former Head of Research and Development for LivingWaters Systems

LivingWaters applies not only to refugee camps but to off-grid villages where residents are forced to pay extortionate prices for water. Over the course of several weeks, two LivingWaters team members traveled to Rajasthan India on a research grant from the Robert Wood Johnson Foundation to conduct trial testing of our technology and run consumer surveys in informal settlements across the state. In Rajasthan over 17,000 villages are facing severe groundwater depletion or contamination. Our findings on the ground over the course of our pilot corroborated several of our assumptions and established a



clear demand for our product.





I once heard a saying that there's no democracy without water. When you think of it, water access and sanitation issues speak to a broader reality of inequality and poverty. Just imagine your life without water, how different it would be. This is why I am a part of the LivingWaters effort, as a mechanism to improve the lives of the most vulnerable. We invite all who are passionate about solving water to join us in democratizing rainfall.



Gabriela Saade

COO of LivingWaters Systems Global Shaper at the World Economic Forum Project Lead of Shapers for Venezuela



Contact Us

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Visit us at www.livingwaterssystems.org