




innovation: africa

Sunlight to Safe Water: A Sustainable Approach to Ending Water Poverty

Innovation Africa

A close-up shot of a smiling woman with dark skin and short hair, wearing a patterned shawl. She is holding a young child whose head is visible in the lower right foreground. The background is a blurred outdoor setting with wooden poles and thatched roofs.

Less people are sick.

i Africa Our Mission

Innovation: Africa is a non-profit organization with a mission to bring clean water and solar energy to rural African villages.

innovation: africa



Where We Work

Over 1,300 projects completed across 10 African countries
iA has offices in 6 African countries



Senegal



Cameroon



DR Congo



South Africa



Ethiopia



Uganda



Tanzania



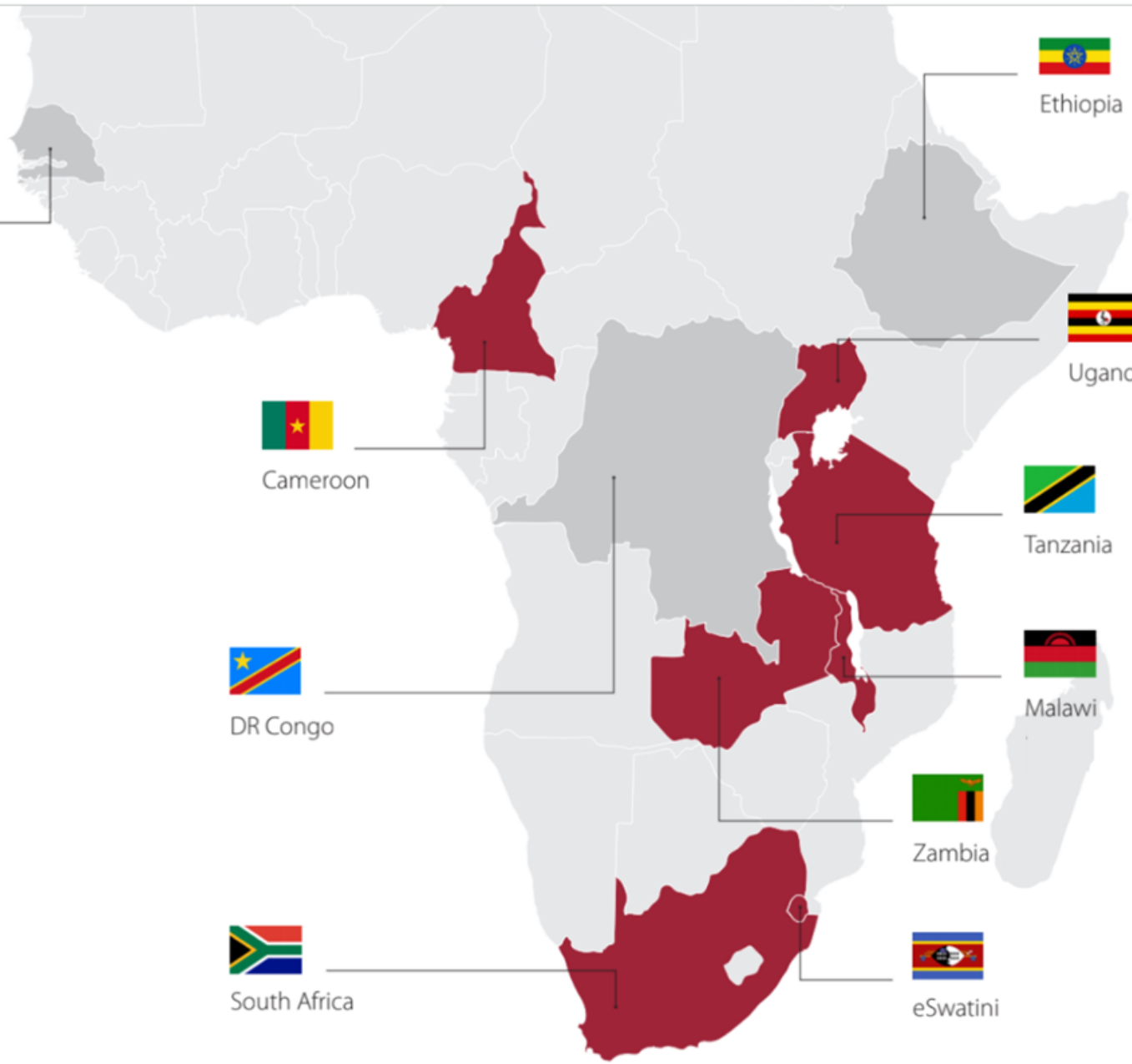
Malawi



Zambia



eSwatini



TANZANIA

Since 2008: 212 Projects Completed
826,405 People Impacted



Tanzania Team

7 employees



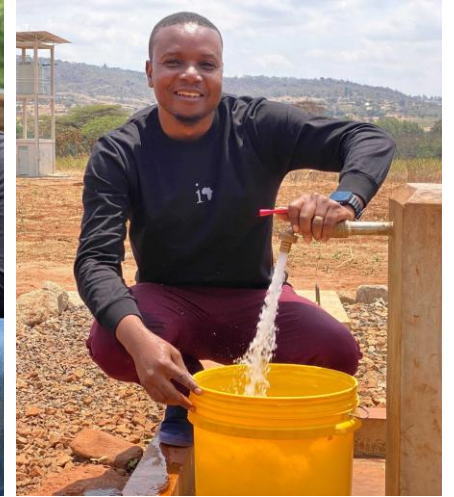
Baraka Bura
Field Technician



Daniel Palingo
Senior Field Officer



David Malanda
Water Quality Specialist



Kelvin Madundo
Country Manager



Maresiana Kazimoto
Field Officer



Maryada Vedastus
Field Water Engineer

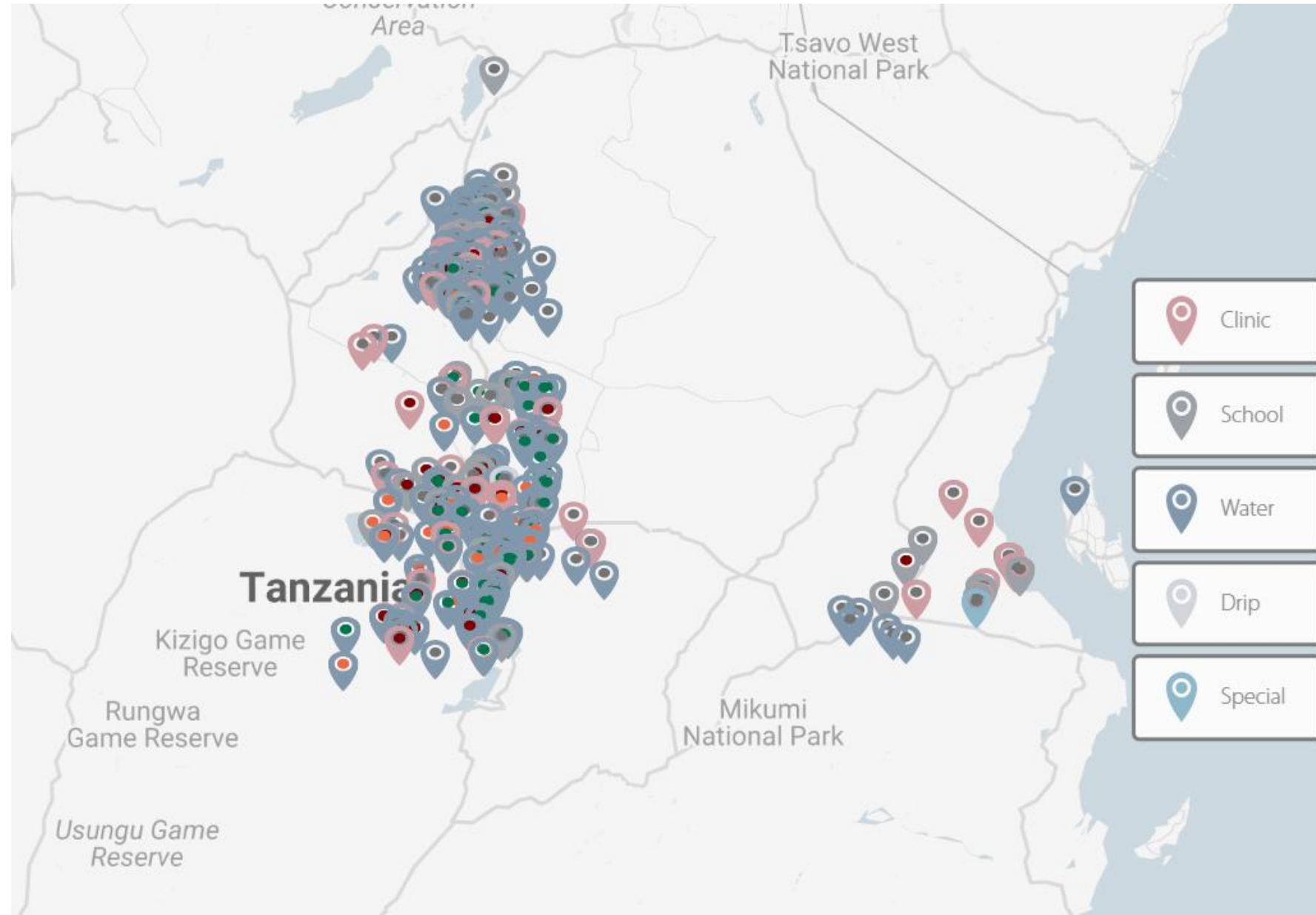


Viva William
Accountant



Operations Across Tanzania

Dodoma Region,
Bagamoyo District





We work in remote villages
(each with 3000+ residents)
that have never had access to
clean water.



Delivering life-changing clean water
to 137 villages so far....





Partnership with CultivAid

Drip Irrigation projects using water pumped by Innovation Africa.



Step One Drill



We drill a well, up to 250 Meters (820 ft) in the ground to reach the **aquifer**.





Step Two Build

We build the water tower up to 10 meters (32 ft) tall.





Step Three Install Solar Panels and a Solar Pump

We install solar panels on top of the water tower to capture the energy from the sun to power a pump.

Step Four Raise The Water Tank



We raise a **10,000-liter** water tank to the top of the tower, to house the groundwater that is pumped.





iA WATER

Step Five Dig Trenches For Piping

We dig trenches in a 4-km radius around the village and install pipes to distribute water to the taps. Community members are engaged in the construction alongside our contractors.

iA WATER
Step Six
Taps



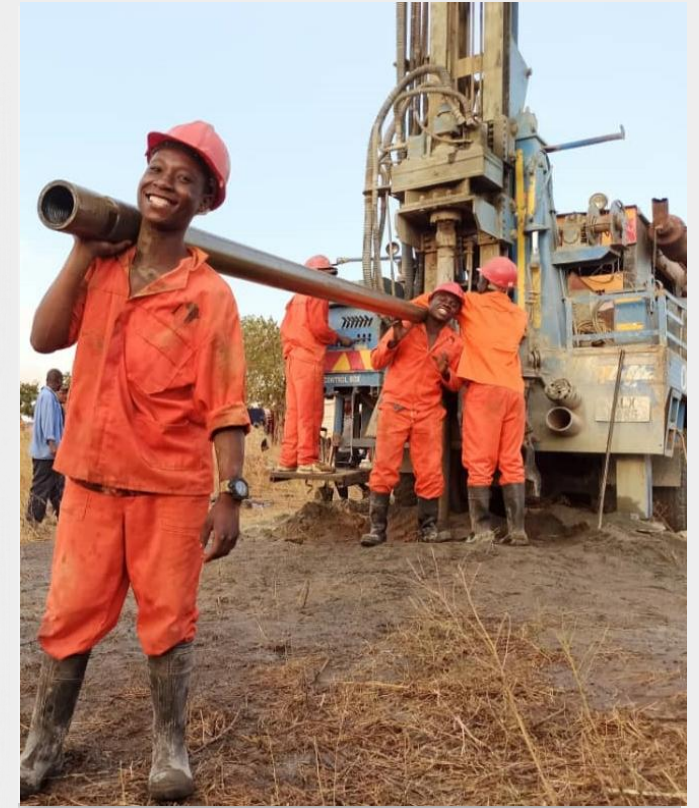
We construct 10-15 water stations throughout the village.





Building capacity

10 people from each village are hired, paid and trained by our contractors in construction.





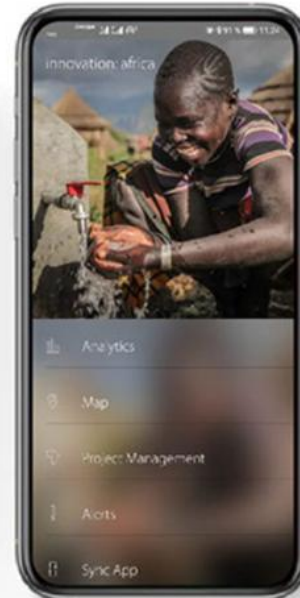
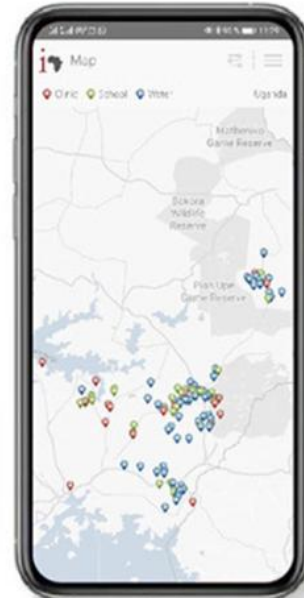
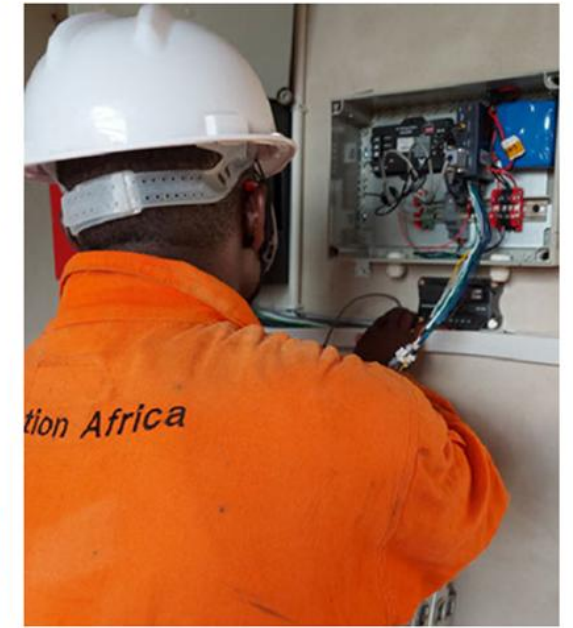




Step Seven Monitoring

We install our in-house Remote Monitoring Technology at each project. It enables real-time tracking of the amount of electricity and water consumed and provides alerts should a malfunction occur.

[View Live Monitoring in Tanzania](#)



United Nations Innovation Prize



INNOVATION: AFRICA
HAS SPECIAL CONSULTATIVE
STATUS TO THE UNITED
NATIONS ECONOMIC AND
SOCIAL COUNCIL.





Step Eight Clean Water Flows

Community members turn on the taps and the village receives clean, safe drinking water for the first time. Up to 30,000 liters of clean water flows throughout the villages.



Sustainable Community Empowerment

- 95% increase in school attendance
- Skills training leads to job creation
- 67% rise in income generating activities (primarily farming)





THE STORY OF
DEBORAH

Challenges

- Long term sustainability.
- Limited technical knowledge at the local level.
- Fluctuation of water quality from time to time





Vision and Goals

- Continue to serve more villages with access clean and safe water for many years to come.
- Deepen the impact in existing villages we work in
- Develop further our sustainability model to our existing projects



A background photograph of three women sitting in a field of green plants. The woman on the left is wearing a colorful patterned dress. The woman in the middle is wearing a light blue button-down shirt. The woman on the right is wearing a dark blue long-sleeved shirt. They are all smiling and looking at each other. In the background, there is a tall, thin structure that looks like a water tower or a tower, and some trees.

Thank You!

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