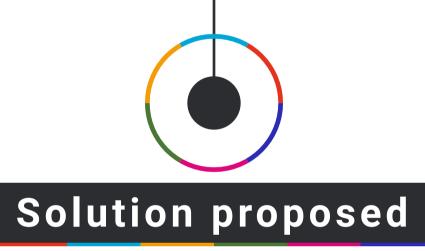


Objective of the project

To mitigate water scarcity in borehole dependent communities through monitoring solutions that support access to real time data on hand pump borehole failures and also training for members on repairing.



Water scarcity in vulnerable Sub Saharan African communities which comes from poor maintenance of borehole infrastructures.



We have designed a sensor to report borehole dsyfunctionalities and a citizen science based mobile app where it is possible to collect and visualize borehole failures as well as offering in person trainings for repairs.



In the first year during our pilot in Plateau state in Nigeria, our solution will keep over 1334 boreholes functional, and about 76000 people will have access to safe water, reduced cost on health illnesses arising from contaminated water, aswell gain skills they can utilize to even earn a living with drilling companies. NGO'S or government organization will also benefit from timely data on borehole functionalities, so they can be able to monitor, plan for future investments, avoid financial investment losses on boreholes.



Current state of development and What is the project looking for?

We have developed a functional sensor device, and an app using CS logger that can be both used to collect data easily as a functional feature. We have also tested the app with 25 users who have given valuable feedback in it's redesign. The sensor has also been tested and been demonstrated to 15 stakeholder(NGO's, and CBOs, ministries) who have shown interest in early adoption.

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