



#BBYDI x BOXImpactFund

- 5,000+ residents now have access to clean water using solar energy
- Safe Study Spaces improving education outcomes
- 25 youths trained on borehole repair
- Reduction in waterborne diseases and health risks
- A replicable model for communities across Africa

Oke-Alaafia
Community,
Osun, Nigeria.

2024

Quenching Thirst, Powering Futures & Ending GBV:

The Solar Water Revolution in Oke-Alafia



Sponsor:

box

Sustainable Water. Empowered Communities. A Future Without Limits.



SAFE STUDY SPACE FOR GIRLS



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About BBYDI

Brain Builders Youth Development Initiative (BBYDI) is a youth-led nonprofit organization dedicated to creating sustainable solutions for pressing challenges facing communities across Nigeria and West Africa. Since its founding in 2014, BBYDI has been at the forefront of driving impact in environmental sustainability, climate action, water security, good governance, and youth empowerment.

In many underserved communities, access to clean and safe water remains a critical issue and BBYDI is actively working to bridge this gap. Through innovative projects like solar-powered water kiosks that are community-led, we are not just providing immediate relief but also establishing long-term, sustainable models for clean water access. These initiatives empower the local residents (especially women and children) by reducing the burden of water collection and improving health outcomes.

Beyond water security, BBYDI is committed to building resilience in vulnerable communities. Our intensive case management programs focus on employment stability for transition-age and

foster youth, equipping them with skills and opportunities to break the cycle of poverty and build sustainable livelihoods. We understand that a secure future is not just about jobs but also about empowering young people with the tools, mentorship, and networks they need to thrive.

Also, in response to the growing threats of climate change and natural disasters, BBYDI leads resilience-building initiatives, disaster response efforts, and climate adaptation projects. Whether it's mobilizing communities after floods, training young people in disaster preparedness, or implementing early warning systems, we are ensuring that those most at risk have the resources and knowledge to withstand environmental shocks.

To date, BBYDI has reached over 500,000 individuals through its community-driven programs. By fostering strategic partnerships and leveraging the power of youth-led innovation, we are shaping a future where sustainability, equity, and opportunity are not just ideals but lived realities.

Contextual Background

For many communities in Nigeria, access to clean and safe drinking water is not just a challenge, it is a daily struggle with life-threatening consequences. In Oke-Alafia Community, Ifon-Osun, Orolu LGA, Osun State, the lack of clean water has long dictated the rhythm of life, shaping health outcomes, economic opportunities, and even personal safety. Women and girls, often tasked with the responsibility of fetching water, walk long distances to reach unreliable and contaminated sources. Along these treacherous paths, young girls are vulnerable to gender-based violence (GBV), a devastating reality that deepens the urgency for sustainable solutions.

BBYDI has always believed that access to clean water is a fundamental human right, not a privilege. That is why, before implementing this project, we conducted a thorough needs assessment to understand the specific struggles of the community. What we found was alarming—high rates of waterborne diseases among children, increased school absenteeism due to illness, and a disturbing trend of young girls being attacked while on long journeys to fetch water. It then became clear that the community needed more than just a water source; they needed a solution that was safe, sustainable, and transformative.

This Solar-Powered Water & ATM Kiosk marks the fourth intervention of its kind under BBYDI's clean water initiative, building on our previous successes in addressing water insecurity across underserved communities in Nigeria. Each installation has reinforced the belief that clean water is not just about quenching thirst, it is about restoring dignity, protecting the vulnerable, and unlocking new possibilities for health, education, and economic stability.

By leveraging solar energy, the kiosk ensures uninterrupted access to clean and affordable water while eliminating reliance on erratic power sources. More than just a physical structure, it is a lifeline for women who no longer have to risk their safety for water, for children who can now focus on education instead of battling preventable diseases, and for an entire community that can finally step into a future where water is a source of hope, not hardship.

With this intervention, BBYDI is not just addressing an immediate need; we are laying the foundation for long-term resilience, empowering communities to take ownership of their resources and secure a healthier, safer, and more sustainable future.

Project Overview



The project was designed to:

- Provide sustainable access to clean water through solar-powered filtration systems for the residents of Oke-Alafia Community Ifon-Osun.
- Reduce reliance on unsafe water sources and minimize the risk of waterborne diseases.
- Promote climate resilience by using renewable energy solutions.
- Empower local communities through training and capacity-building initiatives.
- Improve educational outcomes by providing well-lit areas for children to study at night (Safe Study Space).





Project Implementation

COMMUNITY ENGAGEMENT & NEEDS ASSESSMENT

The project began with an in-depth needs assessment involving all stakeholders in Oke-Alafia Community, Ifon-Osun. They range from traditional rulers, religious leaders, women leaders, youth, and students. This participatory approach ensured that the project addressed the real needs of the community while fostering local ownership.



INSTALLATION & COMMISSIONING OF WATER & ATM KIOSK

- A solar-powered water kiosk was installed in a strategically central location.
- The kiosk was equipped with an advanced filtration system to ensure safe drinking water.
- The system featured a remote digital monitoring mechanism for real-time tracking of water quality and availability.
- The project was commissioned by the king, Olufon of Ifon, His Royal Majesty, Oba Peter Ipadeola Ilufemiloye Akinyooye together with all sons and daughters of the land.



TRAINING & CAPACITY BUILDING

To ensure long-term sustainability, BBYDI trained community members as Water Champions. These individuals:

- Learned to operate and maintain the kiosk.
- Were equipped with skills in water management and environmental stewardship.
- Took on leadership roles to educate others and advocate for water sustainability.



Impact Assessment

Beneficiary Reach & Analysis

Beneficiary Reach & Analysis
The project directly benefited over 5,000 residents, primarily women and children.

5,000+

Residents

Access to clean water,
improved health, reduced
disease burden

3,500+

Women & Children

Time savings, improved school
attendance, enhanced safety

500+

Students

Access to lighted safe study
space for students



ENVIRONMENTAL & ECONOMIC BENEFITS

- Reduced carbon footprint by replacing fossil-fuel-powered water systems with solar energy.
- Lower economic burden on families by cutting healthcare costs related to waterborne diseases.
- Increased productivity, as women and children no longer need to walk long distances to fetch water.

SUSTAINABILITY MEASURES

- Community Ownership: Water Champions ensure continued kiosk functionality.
- Remote Digital Monitoring: Guarantees real-time water quality assessment.
- Partnerships: BBYDI seeks collaboration with private sectors for expansion.

Future Outlook

Scaling the Project

- Expand to more underserved communities using the replicable model.
- Seek additional funding & partnerships for broader impact.
- Integrate sustainability policies into local governance.
- Strengthen collaboration with private sector & development partners.
- Document and publish findings to inspire replication in other regions.

Success Stories



HRM Oba Peter Ipadeola Ilufemiloye Akinyooye
Olufon of Ifon



To the sons and daughters of Oke-Alafia, today is a day of great joy! We have gathered here not just to celebrate the installation of this water kiosk but to mark a new chapter in the history of our community. For many years, I have watched my people suffer, our mothers and daughters waking up before dawn and walking long distances in search of water. I have seen our young girls put in harm's way, facing dangers on the road just to fetch a basic necessity. I have witnessed the burden of sickness, as waterborne diseases robbed us of our health and our wealth. But today, all of that changes!

This project, brought to us by BBYDI, is not just about water; it is about dignity, security, and progress. For the first time, my people will have access to clean, safe drinking water right here in our community. No longer will our women and children suffer to fetch water. No longer will parents live in fear of the sicknesses caused by contaminated streams. No longer will education be disrupted because of a daily struggle for survival.

What moves me the most is that this project is built for the future. It is not just a temporary relief, it is a lasting solution. Our young people have been trained as Water Champions to manage and maintain this facility. The solar-powered lights that shine here at night are not just for illumination; they are symbols of hope, ensuring that our children can study in safety, without relying on dangerous kerosene lamps. This is how true change happens—when a single intervention transforms many aspects of life.

As the King of this land, I pledge my full support to the sustainability of this project. I have appointed a council of elders to oversee its operations, working closely with the Water Champions to ensure that this gift remains a blessing for generations to come. My people, let us protect and cherish this kiosk as our own. Let us ensure that no one is left behind in this new era of progress.

On behalf of the great people of Oke-Alafia, I express our deepest gratitude to BBYDI and the partners who made this possible. Today, you have written your names in the history of our land, not with ink, but with the waters of life that will flow from this kiosk for years to come. May it serve us well and bring prosperity to our land and may it inspire more hands to join in the work of transformation across our nation!

Success Stories



Before the water was installed, I had to fetch water every morning before school, making me late for classes. Now, I get clean water right in my community and can focus on my education.

Aminat Babalola
Student



At night, the solar-powered lights called Safe Study Space near the kiosk help me study. It's safer, and I can now do my homework in a brighter environment without using a kerosene lamp." – Yusuf, Secondary School Student

Yusuf
Secondary School student



Since the project started, cases of typhoid and diarrhea in our community have reduced and we are sure that it will keep reducing. It's a blessing for us!

Mr. Oladipupo
Community Health Worker





Acknowledgements

BBYDI extends heartfelt gratitude to:

- Box.org Impact Fund for financial support.
- Community Leaders & Stakeholders for their collaboration.
- Local Volunteers & Water Champions for their dedication to ensuring sustainability.

Media

- [IG Live Commissioning](#)
- [Project Commissioning Pictures](#)
- [Project Documentary](#)
- [TVC News](#)



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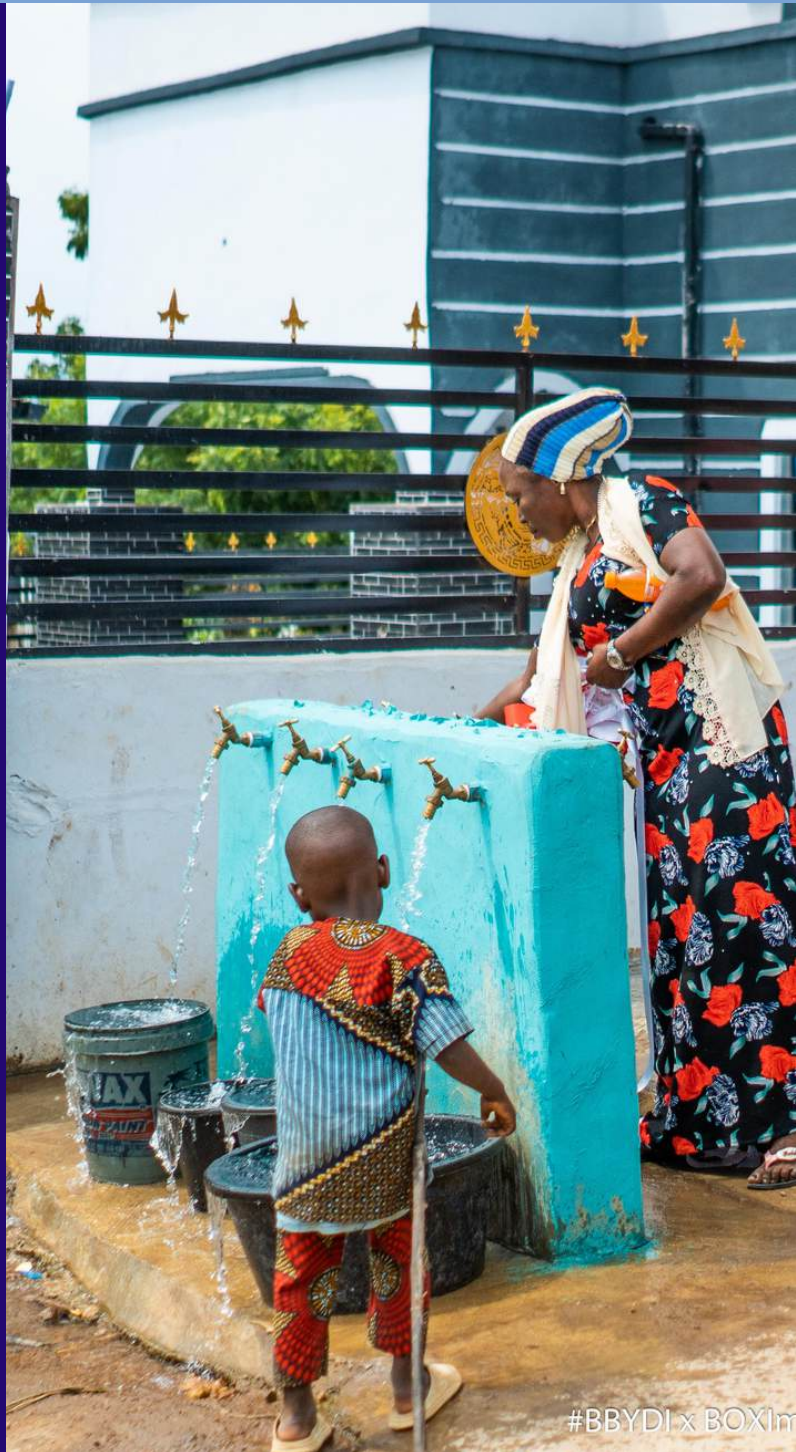
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***...Together, we are
making clean water
access a reality for all!***



#BBYDI x BOXIm



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