

# Community Solar - Water Project in Epe Lagos, Nigeria



✉ [info@optimalgreening.org](mailto:info@optimalgreening.org)  
🌐 [www.optimalgreening.org](http://www.optimalgreening.org)  
☎ +234 810 218 4721

📍 C22 Primrose Drive, Lekki,  
Lagos State,  
Nigeria

# About: Optimal Greening

- Optimal Greening Foundation (**Optimal Greening**) is a Nigerian non-profit organization committed to delivering environmental sustainability solutions focused on energy, waste and water
- Optimal Greening's vision is to **restore dignity to Africans** in disadvantaged and marginalized communities through access to clean water, energy, cooking, sanitation and improved waste management services
- Our foundational program focuses on **Water, Sanitation and Hygiene (WASH)** via sustainable solutions for the economic empowerment of rural and disadvantaged communities.
- WASH strives to **address environmental, health and social issues** associated with lack of access to clean water and sanitation, to help alleviate poverty and support the sustainable development of marginalized communities



Optimal Greening focuses on providing sustainable solutions to address environmental issues related to water, waste and energy

# Project Overview: AIM Epe



Defunct Water Supply Facility in Shagari Estate in Epe to be Rehabilitated by OGF to Achieve Project Objectives

**Project Duration: 24 Months**

- **Objective:** Increase access to clean water and improved sanitation facilities in 2 Epe Communities 3,900 direct and 16,100 indirect beneficiaries.
- **Key Stakeholders:** Epe LCDA, Epe LGA, The Lagos State Ministry of Environment and Water Resources, private and public sector organizations
- **Capacity Building:** Community participation anchored on establishment and training of Community Based Organizations (CBO) for oversight of facilities, an integral component of long-term success and sustainability of the project
- **Infrastructure:** Rehabilitation of borehole, installation of solar powered water treatment plant, sanitation facilities and smart water dispenser
- **Job Creation:** Selected community youths will be trained and employed to operate the facilities and service fees will be charged to cover O&M costs
- **Women Empowerment:** At least 33% female representation in governance structure
- **Monitoring & Evaluation:** Establishment of baseline, regular data collection at project and program levels to track progress towards KPIs

# AIM Epe Objectives



Increase Access to WASH Services



Enhance Capacity Building



Establish Governance Structure



Strengthen Community Participation



Promote Sustainable Asset Management Practices



Reduce Environmental Pollution

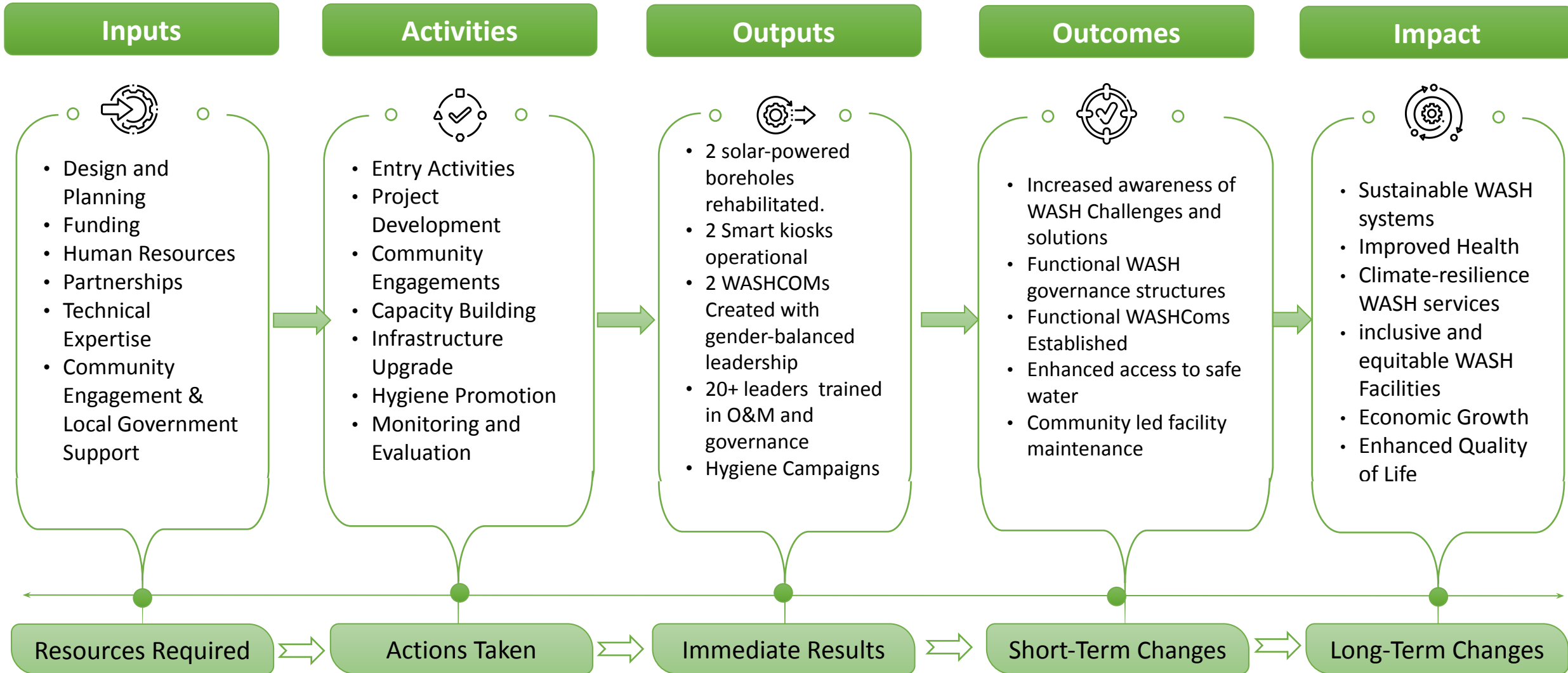


Promote Gender Equity and Women's Empowerment



~3,900  
Beneficiaries  
65% Women

# AIM-Epe Theory of Change



# AIM-Epe Solution - Infrastructure



**Agala Community Smart Water Kiosk  
and water dispensing systems**

Solution based on Optimal Greening's proven WASH program with established pilot in Agala community and ongoing Project SWIFT in 2 Ikorodu communities (Isiwu and Eginrin Ekun) in Lagos State with total of 31,000+ direct and indirect beneficiaries



**Eginrin Ekun Community Solar  
Powered Water Supply System**

# AIM-Epe Solution - Capacity Building



Agala Project Establishment of Formal Governance Structure



Project SWIFT Capacity Building to strengthen ownership and sustainability

Sustainability of WASH infrastructure is anchored on community-led governance structures for operations and maintenance, enabled through capacity building and active participation of the Community Development Association (CDA), Water Sanitation and Hygiene Committee (WASHCOM), and Facility Maintenance Teams (FMT)

# Proven Pilot Project: “Dreams to Reality”

Before Agala WASH Pilot



Implementation of WASH



Installed WASH Facilities



# Our Team



[Osen Iyehen](#)  
Founder & CEO



[Princewill Dagwa](#)  
Project Manager



[Razaq Sanni](#)  
Finance and Admin  
Manager



[Wisdom Omokaro](#)  
Snr. Monitoring and  
Evaluation Officer



[Temilola Talabi](#)  
Marketing and  
Communications Officer



[Promise Omondiagbe](#)  
Project Field Officer



[Precious Nwachukwu](#)  
Human Resources &  
Administration Officer



[Henry Arowosegbe](#)  
Monitoring and  
Evaluation Officer

We Restore Dignity to Africans in Disadvantaged and Marginalized Communities

# Our Donors and Partners



**USAID**  
FROM THE AMERICAN PEOPLE



**Vitol** Foundation



**edp** **All ON**



POUL DUE JENSEN GRUNDFOS  
**FOUNDATION**




**Naston Engineering**


# Thank You!!!





We develop and support sustainable WASH projects in collaboration with public and private sector entities to help improve environmental conditions and social well-being for all


[optimalgreening.org](https://optimalgreening.org)

 [info@optimalgreening.org](mailto:info@optimalgreening.org)

 +234 810 218 4721

 [optimal-greening](https://www.linkedin.com/company/optimal-greening)

 [@optimalgreening](https://www.instagram.com/optimalgreening)

 [@optimalgreening](https://www.facebook.com/optimalgreening)