



LIGHT UP

NTUEKE NIGHT MARKET URUALLA

PROJECT REPORT

PROJECT BACKGROUND

In Nigeria, there are 93 Million people without access to electricity this has led to her citizens finding different ways (many Carbon-CO₂ emitting sources like use of fossil fuels and byproducts) to provide energy for their various economic and non -economic purposes. Sequel to this, climate change impacts has been ravaging our nation with extreme drought and desertification observed in the north and increased rainfall leading to flooding noticed in the south.

Solar power which is considered clean electricity can play a role for both the problem of electricity and to combat climate change. Therefore a new opportunity has emerged to train and educate new solar entrepreneurs who will build on the opportunities in the solar energy sector in solving electricity problems and making an income.

OUR SOLUTION

Training Nigerians on skills in the solar energy value chain –such as energy auditing and management, marketing and sales agents goes along way to increase access to electricity, combat climate change and advance sustainability in Nigeria as these persons go on to work as competent workforce for solar companies or create their own businesses promoting rural electrification. The people will learn the installation of a Solar flood light on poles to provide electricity to a rural market. This training will prepare the mass solar entrepreneurs ready to tackle electricity and climate challenges in Nigeria. Their skill will additionally enable them be employed in a solar company.

PROJECT GOAL

The climate emergency is wreaking havoc across the world at a scale that the humanitarian community and people at the front lines cannot manage. To combat this challenge, we shall promote access to solar electricity in Ntueke rural night market in replacement of kerosene lanterns. Women use kerosene lamps at night which sends CO₂ up the atmosphere enhancing climate change, asides from this, inhalation of CO₂ by the women is increasing maternal mortality and especially in Ntueke market causing blindness for the women. Access to electricity in markets also helps women trade longer and make more profit, thereby aiding economic growth. It reduces crime in the area as perpetrators of robbery cannot operate in full glare of light.

To solve Nigeria's electricity challenges and environmental problems resulting from the use of unsustainable energy.

LOCATION OF THE PROJECT

Ntueke night market is a market located in Ntueke community in Ideato south LGA, of Imo state Nigeria. They share close boundaries with Urualla community in Ideato north LGA. The community is estimated to have about 4500 indigenous people who make use of this market.

PROJECT OBJECTIVE

- To train 70 people from Ntueke community on Solar PV appreciation, Entrepreneurship (sales and marketing).
- To light up the Ntueke community market to increase economic activities and reduce crime rate within the market.
- To promote healthy livelihood of the people by reducing the usage of carbon emitting light sources previously used in the community.
- To reduce crime as criminal activities are more severe without light

ACTIVITIES

1. Intensive training of the people of Ntueke community mostly about 70 market women on, energy transition, energy management, solar PV systems appreciation and business opportunities.
2. Installation of solar floodlights in Ntueke Night market.

DETAILS OF PROJECT ACTIVITIES

a. Workshop Methodology

The Solar empowerment program featured well-structured courses on solar PV system Appreciation and solar entrepreneurship. The trainings were facilitated by seasoned solar technologists and solar energy experts. The training which was both theoretical and practical as solar floodlight were installed.

OVERVIEW OF TRAINING

The project training exposed participants to basic concept of solar entrepreneurship, how they can partake in the vast opportunities that lies in the solar energy industry.

Participants then went through a practical installation of 5 solar floodlights. They learnt how to install the floodlights on the pole.

Training Course Objectives:

- To reduce unemployment in Nigeria by raising and grooming solar energy entrepreneurs
- To improve the renewable energy literacy across people in the rural areas of Nigeria.
- To reduce mortality rate by exposing the ills of carbon emitting energy sources.

Solar Training learning Objectives;

- Recognize the various types of solar photovoltaic systems and components currently in use.
- Demonstrate safe working practices.
- Understand the types of codes and standards that apply to the proper installation of solar Photovoltaic systems.
- Understand the types of permits, warranties, and the customer relations required for the purchase and usage of solar energy systems.
- Completion of the overall solar project.

Solar Training Course Outline:

- I. Introduction to Solar Energy.
- II. Energy Management and Energy Auditing
- III. Economic values/importance of solar energy systems
- IV. Installation of Solar Photovoltaic Systems (the solar floodlights)
- V. Business opportunities in the solar energy industry: like solar energy system sales representative, marketer and installation/repairs/maintenance personnel

VI. Evaluation and Assessment

As a quick overview, the trainees were trained on the following broad areas which has sub-topics;

Day1: Climate Change, Solar energy and PV systems

Day2:

- i. Solar PV Entrepreneurship.
- ii. Solar PV Applications, products, Installation, Maintenance and troubleshooting
- iii. Installation practical of a solar flood light in Ntueke night market,

Outcomes:

- At the end of the training, participants showed a good understanding of
- Basic concepts of solar entrepreneurship and solar PV systems.
- Hands-on Installation of solar flood lights on poles and rooftops
- Economic importance of solar energy systems as a renewable and clean energy source
- Solar powered outdoor market which serves over 1780 community members who shop in the market each night

Participation/Involvement:

About 70 people drawn from Ntueke community participated in the training. The participants at the training demonstrated a good level of commitment by turning up early for trainings, paying keen attention to lectures and diligently asking questions for clarity.

Conclusion:

The training program was impactful as evaluation mechanisms suggested that participants demonstrated a good understanding and showed a high level of competency around the basic concepts of the training. Although most participants were new to solar technology, most

participants show interest to venture into the solar industry and pledged to be frontiers in the electrification of their communities and advocacy for clean energy. This supports the goal of this project to solve Nigeria's electricity challenges and environmental problems resulting from the use of unsustainable energy.

PICTORIALEXCERPTS

All Project Pictures can be found here:

[Ntueke Community Night Market Pictorial Excerpt.](#)

Access Bank Support

- I. Access Bank support covered expert designs for our IECs and publicity materials.
- II. The support enabled the purchase of solar floodlights and all the materials, equipment and accessories used for the installation and training program.
- III. Access Bank support covered facilitation fees for resource persons.
- IV. The support Covered training fees for 70 market women that are traders in NTUEKE market.
- V. The support covered travel and incidentals for a 3 man project team

ABOUT GLOW INITIATIVE FOR ECONOMIC EMPOWERMENT AND CLIMATE SMART NIGERIA

Glow Initiative for Economic Empowerment is a non-governmental organization set up to harness the economic potentials of communities by tackling problems like unemployment, poor electricity access and climate change through education and investments in renewable energy. We are focused on reducing unemployment and creating a sustainable society by supporting women and young people to become renewable energy entrepreneurs by helping them acquire solar technology, business and financial management skills to create and deploy solar solutions for individuals and companies in rural and urban areas. Our goal is to birth 10,000 renewable energy entrepreneurs in the next 5 years. Climate Smart Nigeria is the arm Of Glow Initiative which is setup to combat environmental problems like Climate change to improve the nation's power sector by spreading the awareness of

Climate Change to curb climate illiteracy and promoting the intervention of renewable energy. Through CSN, we use the tool of education to curb climate illiteracy. Our goal is to boost the economic development of Nigeria and attain a Climate Smart nation come 2026 through pioneering investments in renewable energy, Climate education and agriculture.

IEC MATERIALS USED FOR PROJECT



LIGHT UP URUALLA



- **Solar installation for NTUEKE Night Market.**
- **Training 50 market women on business opportunities in solar and benefits of using solar power.**



KICK KEROSENE

OUT OF NTUEKE MARKET



Market Women for solar



SHE'S SKILLED IN SOLAR

**Kerosene
Smoke
produces CO₂
which kills
Women**

**Save
Women,
Save the
Nation**

**Reduce
Maternal
Mortality**

**My friend
turned blind
due to CO₂
from the
kerosene lamp**

