



# FOUNDATION FOR PARTNERSHIP INITIATIVES IN THE NIGER DELTA

## ACCESS TO ENERGY (A2E)

### OVERVIEW

- PIND identified an opportunity to offer low-carbon solar solutions to off-grid areas to fulfill local energy needs. PIND launched an access-to-energy (A2E) initiative to stimulate economic activity in coastal communities that lacked access to the electrical grid using Distributed Energy Resources (DREs). Due to the unavailability of electricity, micro, small, and medium-sized enterprises (MSMEs) in these areas were unable to reach their full growth potential, leading to missed opportunities, insufficient electricity supply, reduced operational capacity, and higher production costs (for the few businesses that could afford self-generation options). PIND's endeavors in this sector align with SDGs 7, 8, 11, and 13.

### OBJECTIVES

- Increase economic opportunities and income through improved energy access (including for women and youth).
- Decrease the cost of business overheads through lower use of expensive self-generation options.
- Foster peaceable development by improving household and community welfare through lighting for MSMEs, education, and health.
- Reduce emissions and fossil fuel use through increased use of renewable energy sources as part of household and business energy mix.
- Enable people to work out of poverty and improve their well-being through welfare benefits such as health and education.

### APPROACH

- PIND's A2E interventions target increased reach to rural populations to power traditionally recognized rural livelihood sectors involved in fishing, MSMEs, and households. Our access-to-energy project approach has succeeded in developing access to affordable renewable energy for households and businesses to improve productivity, increase income, trigger new jobs, and improve the quality of life for the communities (SDG 7).

### OPPORTUNITIES

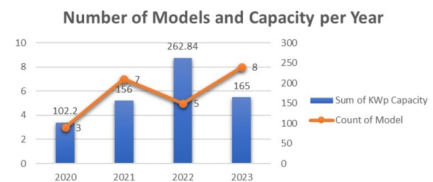
- PIND has a decade-long regional footprint as a trusted partner and a model that works for underserved coastal communities. Research shows we provide good value for money and technical capacity based on regional experience. We also offer an excellent opportunity for synergy from collaborative partners with cross-cutting objectives.

Total Investment by Public and Private sector.  
NGN 1,814,464,111

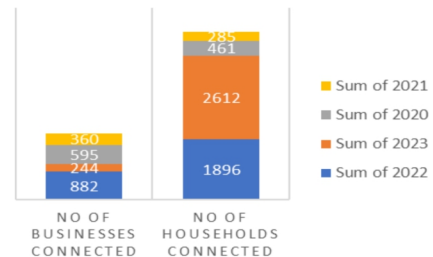
Total Number of Jobs Created.  
362

Total Financial Benefits accruing to Users  
NGN1,605,297,385

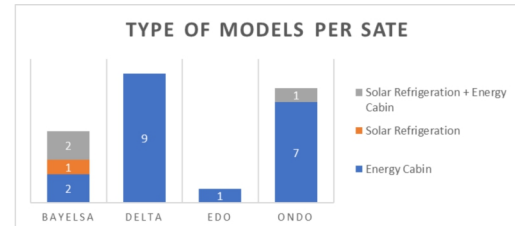
- From 2020 to 2023, PIND installed a total of 686.04KWp solar capacity and 1014KWh battery energy storage with 19 energy cabins, one solar refrigeration hub, and three hybrids: energy cabin plus solar refrigeration hub. In 2023, PIND facilitated the Health Electrification and Telecommunication Alliance (HETA) project in Ondo, Delta, and Bayelsa with a total of 165KWp Solar Capacity.



- From 2020 to 2023, with PIND's direct support of 2,081 businesses and 5,254 households - a total of 33,699 people gained access to clean energy in the coastal communities in the Niger Delta region.



- **Energy Cabins:** A community hub with solar plants to retail electricity and provide electricity products and services suited to rural communities; socio-cultural dynamics and energy demands.
- **Solar Refrigeration Hubs:** Solar-powered cold rooms for predominantly fisheries-dependent communities.



### PARTNERS

- VECTIS • ASHDAM SOLAR • RENERGY • BCIS • CONSISTENT ENERGY • ETIN POWER
- DARWAY COAST • A4&T • SOLAVIVA • INFRANERGY • OGHOSA LTD • OGB ENERGY

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