



OVERVIEW

PIND saw the opportunity to facilitate off-grid, low-carbon solar solutions to meet local needs and launched an access-to-energy (A2E) intervention to promote economic activity in the coastal communities mostly unconnected to the electrical grid. This lack of access has reduced the growth potential of micro, small, and medium-sized enterprises (MSMEs), which has resulted in: loss of opportunities; inability to meet their electricity demands; operations below their optimal capacity, and increased cost of production (for the few businesses that can afford self-generation options). PIND's activities in this sector are in line with SDGs 7, 8, 11 & 13.

OBJECTIVES

- **Increase economic opportunities** and income through improved energy access (including for women and youth)
- **Decrease 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 businesses energy mix
- **Enable people to work their way out of poverty** and improve 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 livelihoods sectors involved in fishing, MSME's and households. Our access-to-energy project approach has recorded success 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).

PIND'S INVESTMENT

Phase 3 Grant (2020 – 2024): USD 364,251.38 from Niger Delta Partnership Initiative (NDPI) and USD 200,000 from Chevron to scale up pilots

PRODUCTS & SERVICES DEVELOPED

- **Energy Cabins/Village Hub:** 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
- **Solar Entrepreneurship Training:** recognized as an industry-certified training facilitator in the region

STRATEGIC TARGETS

- **1,000 new jobs**
- **2,000 more businesses with A2E services**
- **3,000 more households with access**
- **NGN 300 million leveraged through investments from private and public sectors**
- **Achieve a 40% gender target**

OPPORTUNITIES

PIND has a decade-long regional footprint as trusted partners 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 provide a great opportunity for synergy from collaborative partners with cross-cutting objectives.

KEY ACHIEVEMENTS

- **15 energy cabins located** in Ogheye I, Ogbinbiri, Opia, Gbokoda and Kpokugbene (Delta State) as well as Gbagira, Akinsolu, Molutehin, Ugbo Nla, Obe Jedo, Lomileju, Awoye and Odofado (Ondo State)
- **NGN 162.2 million leveraged from private investors and communities** to install clean energy technologies (solar energy cabins, solar refrigerators, and solar home systems) in target last-mile communities
- **176,000 KWh of electricity generated** with a combined 311KWh of installed solar energy generation capacity across 17 locations
- **Combined displacement of 203.39 tonnes of carbon dioxide equivalent (CO2e)** emissions across the Niger Delta (SDG 12 & 13)
- **955 coastal community businesses and 746 households accessed clean energy**, thus improving their productivity and welfare, not to mention the creation of **97 new jobs** in the communities providing technical and business services in tech
- **5,465 people gained access to clean energy technologies** (SDG 7)
- **NGN 479.1 million in financial benefits** accrued to users of various energy solutions supported by PIND