

About Concession Development Company (CDC)

CDC is a project development company with a primary focus on providing clean and renewable energy sources for power generation and conservation. CDC also advises on energy efficient solutions for demand side management.

CDC's objective is to facilitate meeting Nigeria's energy needs through renewable energy sources and energy efficient solutions.

CDC is the project development company for N-CEAP.

STRATEGIC N-CEAP PARTNERS

- Federal Ministry of Environment
- Renewable Energy Programme (REP)
- Special Climate Change Unit
- Philips Lighting BV
- GE Lighting
- Victron Energy BV
- SMA Germany
- Suntech
- EPV Germany
- Juwi Germany
- Volta Tech South Korea
- Gaston China
- Lilleker Brothers Nigeria Limited
- Lilleker Brothers UK
- General Lighting Company (GLC Group)



An initiative of the Concession Development Company (CDC)

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Energy Audits by N-CEAP



A BRIEF INTRODUCTION TO N-CEAP

The Nigeria Clean Energy Access Program (N-CEAP) offers clean, affordable energy with solar inverter systems, inverters, energy storage and efficient lighting systems.

The N-CEAP initiative has been designed to reduce greenhouse gas emissions in Nigeria, as well as the high cost of power self-generation and consumption by households and businesses.

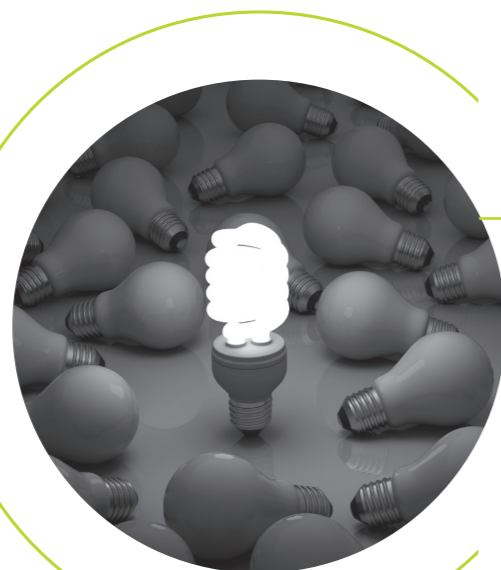
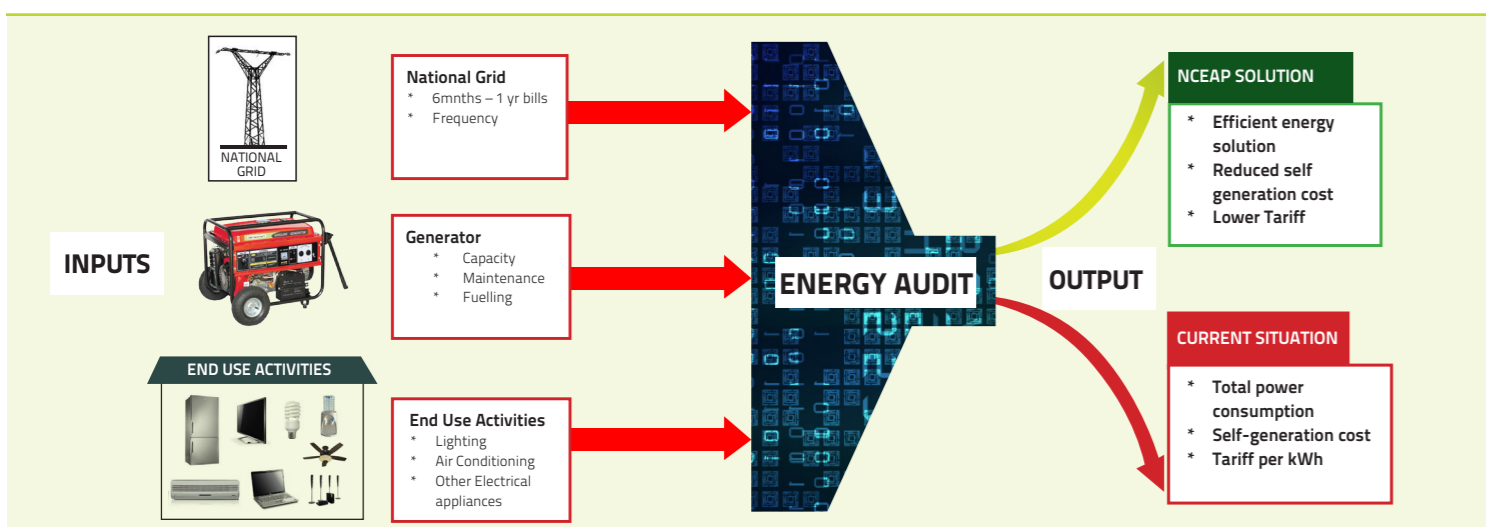
N-CEAP was established by the Concession Development Company (CDC), a project development organisation, in 2010.

N-CEAP ENERGY AUDITS

The objective of an energy audit is to analyse, ascertain and outline existing and critical energy usage within the facility and then recommend a solution that results in a significant reduction of overall power consumption on the premises.

The proffered solution will reduce energy consumption as well as costs of power generation by a significant percentage.

HOW THE ENERGY AUDIT WORKS



THE N-CEAP SOLUTION: IMPLEMENTATION

To ensure proper implementation, we take a phased approach to installing our N-CEAP solutions, using a clear, proven process and an experienced team.

Phase 1: Project Initiation

Objectives

- * Concept Definition
- * Site Definition, Verification and Energy Audit
- * Financing



Phase 2: Procurement of Equipment

Objectives

Purchase and assemblage of equipment, including:

- * Inverters
- * Solar panels
- * Batteries
- * Mounting system fabrication
- * Other accessories



Phase 3: Installation

Objectives

- * Construction of enclosure for inverters, batteries and other accessories
- * Installation of mounting system and solar panels (where applicable)
- * Installation of inverters, batteries, etc



Phase 4: Test Run and Commissioning

Objectives

- * Total system test
- * Commissioning and handover

ABOUT THE PROGRAMME

About The Nigeria Clean Energy Access Programme (N-CEAP)

N-CEAP seeks to offer clean and affordable energy through the provision of solar power generation, inverter, energy storage and efficient lighting systems.

The initiative is designed to reduce greenhouse gas emissions. Our 3-year target is to distribute 400 million energy efficient bulbs and fluorescent tubes and 100,000 inverter systems (including solar systems) in Nigeria. With this, we aim to lower the high cost of power self-generation and consumption by households and businesses.

The N-CEAP vision is to catalyse widespread access to clean and efficient energy, and reach every Nigerian residential and corporate premises.

The programme's objectives include:

- To provide widespread access to clean and affordable energy for target households in Nigeria.
- To sensitise and cause a general change in attitude and behaviour on efficient energy use in Nigeria.
- To contribute to a broad based reduction of greenhouse gas emissions in Nigeria.



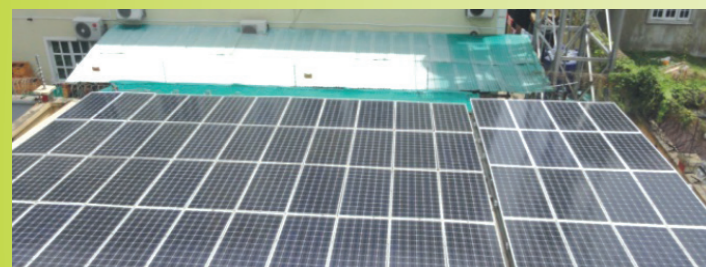
About N-CEAP Products

All N-CEAP products are of premium quality and some are designed specifically to suit Nigeria's power fluctuation.

For example, the CFLs and LEDs have an operating voltage range of 150 to 250V with a lifespan of 10 years and above; the inverters have a power factor of 1 compared to that of typical brands currently available in the market, which range between 0.6 – 0.8; and the Victron 2000Ah 2V deep cycle batteries have a lifespan of 12 years. Some other batteries currently available in this market typically have a lifespan of 6 months to 18 months.



N-CEAP INSTALLATIONS



40kW Solar Power System in Lekki, Lagos



10kW Inverter Power System in Asokoro, Abuja



30kW Solar Power System in Minna



25kW Inverter Power System in Maitama, Abuja



10kW Solar Power Backup System in Wuse 2, Abuja



15kW Inverter Backup System in Lekki



5kW Inverter Backup System in Jabi, Abuja



8kW Inverter Backup System in Maitama, Abuja