



**Observatoire Europe-Afrique 2030**

***Data Sheet n°13***

**Enterprise : QuadLoop (Nigeria)**

- 1. Activity of the Enterprise.....2**
- 2. Product Range .....2**
- 3. Sources of Information.....3**
- 4. Contacts .....3**

Degree of accuracy of the information contained in the data sheet

**High**

Last update: November 2024

# 1. Activity of the Enterprise

QuadLoop is a Lagos-based company which produces solar lanterns from electronic waste.

About 70% of the lanterns are made from electronic waste. Most materials are locally sourced except for a few components which are imported.

Activity started in 2016, after months of research on how to convert e-waste into electronic hardware, buying raw materials such as lithium-ion batteries, laptops and televisions from waste recycling companies.

Staff: approx. 5 employees.

In the first year, the company produced 40 units of rechargeable solar lanterns.

In 2020, the company received a \$10,000 grant from the Nigerian Climate Innovation Centre (NCIC). This helped scale production and repackage the lantern from the initial design that utilised 30% of e-waste to a new version with 70%.

The company now sells larger quantities through its website and e-commerce platforms such as Jumia and Konga.

Producing each Quadloop lantern not only serves to illuminate spaces but also prevents 2.5kg of electronic waste from entering landfills. Crafting solar products from e-waste significantly diminishes the demand for new raw materials, such as precious metals and minerals.

## 2. Product Range

The company's maiden product, Idunnu (meaning "joy" in the Yoruba language) is a rechargeable solar lantern with batteries and frames developed from e-waste. The frame is made from glass retrieved from discarded television screens and computer monitors. Each lantern weighs about 2.5kg and comprises 70% e-waste, while the remaining 30% comes from imported components.

### Main characteristics:

10,400 mAh lithium ion battery capacity.

Automatic daytime sensor.

Universal remote control.

1A USB charging port.

6w 6500k lumen bright white LED.

Made in Nigeria

At around US\$50 per unit, the target markets include hospitals in rural areas and places that are off-grid or lack a constant power supply.

QuadLoop rechargeable solar lantern



Along with this first product, QuadLoop is developing another product called the solar home system that charges rechargeable fans.

QuadLoop's solar home system.



### 3. Sources of Information

<https://www.quadloop.africa/#home>

### 4. Contacts

Address : 10 Hughes Avenue Alagomeji Yaba

Phone : + 234 802 946 3826

Email : [hello@quadloop.africa](mailto:hello@quadloop.africa)

Name	Function	email	Phone
Dozie Igweilo	Founder and chief executive officer		

**Point to be precised : Names and coordinates of two managers of the enterprise.**