



The Letter of Green Industrialization in Africa

Observatoire Europe-Afrique 2030

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The “Observatoire Europe-Afrique 2030” is a space open to all people interested in promoting the development of green manufacturing industries in Africa (solar mini-grids, wind farms, heat pumps, 2-wheelers, electric cars and buses, tramways, waste sorting and recycling units.....).



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1- Highlight on the enterprise “QuadLoop”

QuadLoop is a 5-person company based in Lagos (Nigeria). It produces solar lanterns from electronic waste. Most of the materials come from local sources, with the exception of a few imported components.

The business started up in 2016, after several months of research into recycling electronic waste such as lithium-ion batteries, laptops and televisions. In 2020, the company received a \$10,000 grant from the Nigerian Climate Innovation Centre (NCIC). This has enabled the company to increase production and increase the proportion of electronic waste in the lanterns it manufactures from 30% to 70%. The company sells mainly through its website and e-commerce platforms such as Jumia and Konga.

The company's flagship product is called “Idunnu” (which means “joy” in the Yoruba language). It's a rechargeable solar lantern (6w - 6500k lumen-LED white) equipped with a 10,400 mAh lithium-ion battery. The battery and frame are made from electronic scrap. The frame is made from glass recovered from discarded TV screens and computer monitors. Each lantern weighs around 2.5 kg and comprises 70% e-waste. The price is around 50 USD/unit. The target markets are hospitals in rural areas and places that are not connected to the electricity grid or do not have a constant power supply.

Rechargeable Solar Lantern « Idunnu »



QuadLoop is also developing a solar-powered home system for charging rechargeable fans.



2- Newcomers in the Directory

Over the past three months, seven companies have been included in the “Directory of Green Industrialization Leaders in Africa”:

Eco-Gad, a Tunisian company specializing in the treatment and recovery of recyclable, non-recyclable and non-hazardous waste.

Radel Pty Ltd, South African manufacturer of railway equipment (contactors, sensors, lighting.....).

Cheveux Organique, based in Uganda, designs and manufactures 100% biodegradable banana hair extensions.

MellowVans, South African manufacturer of three-wheeled electric delivery vehicles.

QuadLoop, a Nigerian company specializing in the manufacture of solar lanterns from electronic waste.

Eaton Maroc, specializing in the assembly of power electronics boards and modules for rail and air transport.

Gibela, a South African consortium comprising Alstom (70%) and uBumbano Rail (30%). The contract covers the delivery of 600 trainsets to the Passenger Rail Agency of South Africa, and the provision of technical assistance and related services.

Information sheets on these companies can be consulted on the Observatory website.

3- To see, to read...

In September 2024, the Observatoire Europe-Afrique 2030 has published an updated version of the case study n°20 entitled: “**Leading companies in green industrialization in Africa: What added value do they bring?**”. This new version presents a mapping of the enterprises in the Directory of Leaders of Green Industrialization in Africa.

<https://observatoire-europe-afrique-2030.org/wp-content/uploads/2024/08/20-Valeur-ajoutee-fr-rev1.pdf>

As part of its Africa Renewable Energy Manufacturing Initiative, the organization SEforALL has published a report entitled “**Green Manufacturing Policy & Investment Guide - Nigeria - March 2024**”. This report describes the economic, institutional, fiscal and incentive environment designed to foster the development of green manufacturing businesses in Nigeria.

https://www.seforall.org/system/files/2024-03/africa-remi-green-manufacturing-nigeria_compressed%201%20%28002%29.pdf

4- Participate in the life of the Directory

The “**Directory of Green Industrialization Leaders in Africa**” is compiled by the “Observatoire Europe-Afrique 2030”. It distinguishes companies that have made manufacturing investment in a green sector on African soil (including Maghreb, Sub-Saharan Africa and Southern Africa).

The Observatory has already identified some 60 leading companies in a wide range of sectors, including the manufacturing of photovoltaic panels, solar kits, wind turbines, railway equipment, electric 2-wheels, waste treatment units and clean household stoves.

If you know companies with a “Leader” profile

Please send your suggestions to the following e-mail address:

contact@observatoire-europe-afrique-2030.org

.... or use the “[Contact us](#)” page of the Observatory website.

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contact@observatoire-europe-afrique-2030.org