



# Hinckley Recycling Battery Innovation Challenges - Live Launch

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Presentation

# ▲ Hinckley Background

October 1998

Hinckley Associates was founded in 1998 providing ICT solutions across Nigeria



July 2016

Hinckley developed the first government approved e-waste facility in Nigeria to tackle the growing problem of e-waste.

E-waste is a term for electrical and electronic equipment (EEE) nearing the end of their useful life e.g. computers, laptops, printers, photocopiers, televisions, stereos and telecoms equipment.





# ▲ Hinckley Recycling Profile

Nationwide Coverage



# ▲ Certification and Permits for Nigeria

**FEDERAL MINISTRY OF ENVIRONMENT**  
ENVIRONMENTAL IMPACT STATEMENT  
**Certificate**

1. Project Identity: **E-WASTE RECYCLING FACILITY PROJECT.**  
2. Proposed date of project commencement: **20th DECEMBER, 2018.**  
3. Project Proponent: **HINCKLEY ASSOCIATED NIGERIA LIMITED**  
4. Project Location: **25th, 40th-50th, 5th LGAs, 2008 35TH.**

COMMENTS: (The approval covers only the installation and operation of an E-waste recycling plant at waste treatment plant facility at Alimos, Ojo LGA. The proponent shall ensure that at all times, adequate and secure internal level of containment shall be maintained to prevent any leakage of waste water from the project in adequately treated and discharged into the environment. (iv) Hinckley Associated Ltd. shall ensure compliance with the Environmental Management Plan (EMP) for the project. (v) The project shall be subject to continuous monitoring by the regulatory authorities shall carry out impact assessment, (vi) The project shall be subject to continuous monitoring by the regulatory authorities shall carry out impact assessment, (vii) The project shall be subject to continuous monitoring by the regulatory authorities shall carry out impact assessment.

5. CERTIFICATION: The Federal Ministry of Environment hereby certifies that **E-WASTE RECYCLING FACILITY PROJECT** Project as proposed may proceed subject to the conditions.

Date of Issuance: **20th DECEMBER, 2018.** Expiry Date: **29th DECEMBER, 2021.**

Signature: *[Signature]*  
Date: **20-12-18**

NOTE: Federal Ministry of Environment shall not be liable to any claimant under this permit.

SS/RECV/ 00793

**LAGOS WASTE MANAGEMENT AUTHORITY**  
3, Otto Road, Iddo Yard, Ijora Olopa, Lagos.

**Certificate for Recycling**  
**HINCKLEY RECYCLING NIGERIA LTD.**

This certificate expires **JANUARY 10<sup>TH</sup>, 2020.**

*[Signature]*  
Authorised Signatory

**LAGOS STATE ENVIRONMENTAL PROTECTION AGENCY**  
**PERMIT** 046

I HEREBY CERTIFY THAT THE COMPANY NAMED BELOW HAS BEEN DULY REGISTERED IN PURSUANT TO THE RELEVANT SECTIONS OF THE ACT OF THE LAGOS STATE ENVIRONMENTAL PROTECTION AGENCY

NAME OF COMPANY: **HINCKLEY RECYCLING NIG LIMITED**

REGISTERED OFFICE / SITE LOCATION: **OASIS BUILDING, OJOTA**  
**OJOTA - LAGOS**

CATEGORY OF: **SCRAP, BATTERIES AND ELECTRICAL ELECTRONICS**

DATE OF ISSUE: **JULY, 2019**

PERIOD OF VALIDITY: **1<sup>ST</sup> JULY, 2019 - 31<sup>ST</sup> DECEMBER, 2020**

PRODUCT (S)/CAPACITY STORAGE TYPE: **USED ELECTRICAL ELECTRONIC EQUIPMENTS**

This permit is issued in compliance with all regulation, standard and control criteria as may be issued by the Lagos State Environmental protection Agency time to time

*[Signature]*  
General Manager

PN: NESREA/EPR/RECYCLER/001

**National Environmental Standards and Regulations Enforcement Agency (NESREA)**

**REGISTRATION AS RECYCLER IN THE EXTENDED PRODUCER RESPONSIBILITY PROGRAMME**

The National Environmental Standards and Regulations Enforcement Agency (NESREA) by the power conferred on it by section 8(a) of the National Environmental Standards and Regulations Enforcement Agency (Establishment) Act, No. 92 Vol. 94 dated 31<sup>st</sup> July, 2007 hereby registers **Hinckley Recycling at 355, Baraka Road, Ojota, Lagos State** to operate as a Recycler in the Electrical and Electronic Sector, under the Extended Producer Responsibility (EPR) Programme.

This authorization is subject to the stipulated conditions of this Certificate. This Certificate is valid from 1<sup>st</sup> AUGUST, 2018 to 31<sup>st</sup> JULY, 2019.

*[Signatures]*  
Director, Planning and Policy Analysis    Director, Legal Services    Director, Environmental Quality Control  
Director, Inspection & Enforcement    Director, Partnership and Education  
Director General/CEO

**CONDITIONS:**  
This certificate is issued subject to the following conditions:  
1. Ensure compliance with the provisions of the National Environmental (Electrical/Electronic Sector) Regulations, 2011; National Environmental (Sanitation & Waste Control) Regulations, 2009 and other extant laws and regulations;



# ▲ Ewaste Challenges for Sub Sahara Africa

Environmental and human disaster

Country	Metric kilotonne per annum
Nigeria	277
Ghana	39
Ivory Coast	20
Senegal	15
Cameroon	19
Benin	8.2
Togo	6.4
Burkina Faso	11



# Collector Training and Medical Support

Training and blood testing of informal collectors operating in Lagos, Nigeria





# ▲ Government Engagement

Engaging with the Ministry of Environment and Vice President in Abuja, Nigeria



# Press coverage for Hinckley Recycling Nigeria





# ▲ Hinckley Collection Network

## Ewaste Collectors Association of Nigeria (ECAN)

Hinckley has worked with the informal collectors to establish ECAN.

Association members are eligible to:

1. Training
2. PPE issuance
3. Medical check ups
4. Pension
5. HMO



# ▲ E-waste Human and Environmental LIB

The human and environmental impact of crude recycling methods in Africa is significant. E-waste contains hazardous material including arsenic, lead mercury, cadmium and chromium.



Child labor in Congo Cobalt Mine



Cobalt mining in the Congo



Adrian Clews, Hinckley MD, at Nigerian dump

The world's biggest producer of cobalt is the Democratic Republic of Congo, with stories of acid dumping and **child labour** commonplace.

Hinckley working to recover precious materials from lithium batteries. Reliance on mining in Congo needs to be replaced by more effective urban mining from existing batteries.



# ▲ Lithium-ion Battery Treatment

Hinckley First Company in Nigeria to export Lithium-Ion Batteries in-line with the Basel Convention

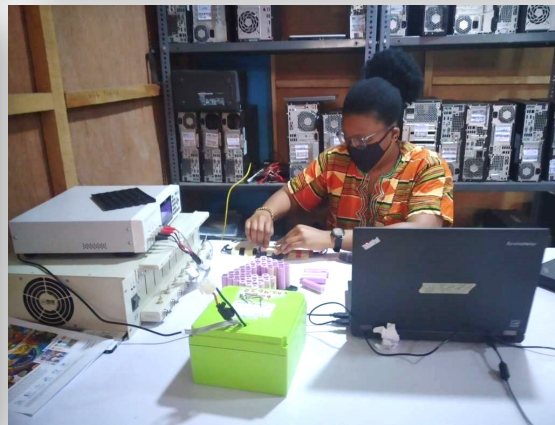




# Reuse Lithium Battery Processing



## 2<sup>nd</sup> Life Solutions from end-of-life Solar Battery Packs





# Contact Us



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## IKEJA

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## VICTORIA ISLAND

Elpina Plaza, Plot 642c, Akin Adesola Street, Victoria Island, Lagos, Nigeria Tel: 08166210168

## PORT HARCOURT

112E Aba Road, by Garrison Port Harcourt, Rivers State. Tel: 08184811382 / 084462534

## ABUJA

Plot 765, Samuel Ademulegun Street besides Arewa suites, Masallachi junction, Central Business District Abuja FCT Tel: 08146063123