

PHOENIX EDISON

Transforming Waste Into Clean, Renewable Energy

Phoenix Edison is a Nigerian waste-to-energy developer on a mission to address two of Nigeria and Africa's most critical infrastructure challenges — unmanaged solid waste and chronic electricity deficits — by deploying proven, commercially viable clean energy technology at industrial and municipal scale.

<p>270,000+ Waste processed per year <i>Tons (MSW project)</i></p>	<p>24 MW Municipal WtE capacity <i>Gross generation capacity</i></p>	<p>164,899 Annual energy output <i>MWh net (MSW project)</i></p>	<p>270,000 Carbon savings <i>Tons CO₂/year (est.)</i></p>
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WHO WE ARE

Phoenix Edison (www.phoenixedison.com) is a Nigerian renewable energy developer focused on delivering sustainable, reliable, and locally anchored power solutions through waste-to-energy (WtE) and biomass-based generation. The company's mission is to address Nigeria's dual challenges of energy deficit and waste management by converting agricultural and municipal waste streams into clean, baseload electricity for industrial, commercial, and public sector use.

At the core of Phoenix Edison's model is the development of captive and embedded power systems that serve energy-intensive clients, particularly within agro-industrial value chains. By utilising residues such as rice husk and other biomass feedstocks, the company provides cost-competitive alternatives to diesel generation while eliminating environmentally harmful practices such as open burning.

In parallel, Phoenix Edison is advancing municipal-scale waste-to-energy infrastructure, including a flagship 24MW project in South East Nigeria. This project is designed to process large volumes of solid waste into electricity, significantly reducing landfill dependence, lowering greenhouse gas emissions, and contributing to circular economy objectives at the state level.

Phoenix Edison adopts a consortium-driven approach to project delivery, partnering with leading international EPC contractors, technology providers, engineering firms, and development institutions. The company works closely with government stakeholders, development finance institutions, and grant funding bodies to structure bankable projects that align with global environmental and social standards.

Through its integrated development model—spanning project origination, technical design coordination, financing strategy, and stakeholder engagement—Phoenix Edison is building a scalable platform for renewable energy deployment across Nigeria and West Africa.

The company is committed to delivering projects that not only generate power, but also create local economic value, support sustainable agriculture, and contribute meaningfully to climate mitigation and energy transition goals.

NIGERIA: THE OPPORTUNITY

Nigeria presents one of the world's most compelling cases for waste-to-energy investment:

- ▶ Population of 200+ million (53% urban), growing at 2.6% per year — projected to reach 397 million by 2050
- ▶ Installed power capacity of 12,500 MW, of which only ~1,900 MW is reliably available — less than 150 kWh per capita per year versus a global average of 3,126 kWh
- ▶ 42% of the population has no access to electricity; most businesses and residences rely on expensive diesel generators
- ▶ Nigeria generates 44 million tons of solid waste annually — largely disposed of through open burning or inadequate landfills

- ▶ Government Vision 30:30:30 targets a 30% renewable energy mix by 2030; waste-to-energy is explicitly identified as a priority technology
- ▶ Carbon neutrality commitment by 2060; \$50M committed to a voluntary carbon market initiative in 2023

LEADERSHIP & CONSORTIUM

Phoenix Edison is led through a consortium of three Nigerian founding entities — Shiraan Limited (lead developer), Quincy Advisory Limited (legal and regulatory), and Servicemates Limited (operations and waste management) — supported by international technical partners.

Name / Role	Background
Noble Ekajeh <i>Managing Director</i>	Over 20 years of project and business development experience. Former lead regional executive with American Power Conversion, Compaq, HP, ATM Consortium and SAP. B.Eng, Dartmouth College (USA); MBA, Lagos Business School (Nigeria).
Dozie Okpalaobieri <i>Legal & Regulatory</i>	Infrastructure lawyer admitted to the bar in Nigeria, the UK and the USA. Engaged in Nigeria's energy sector since 2012 — policy formulation during the privatisation reforms at the Ministry of Finance; project development with Power Africa and the African Development Bank. Masters, Brandeis University; JD, Northwestern University (USA).
Piet Cooreman <i>Chief Technical Officer</i>	Over 20 years of business and project development experience, with a decade focused on renewable energy in Africa. Former Area Manager – Africa, Diebold; Business Development Manager EMEA & Far East, Cable Print NV. MBA, VLEKHO Business School (Belgium).
Kiki Kamanu <i>Operations</i>	Project coordinator at KPMG and Harvard University Neurosurgery Department. BA in International Economics, University of Massachusetts Amherst (USA); Certificat d'Études, Université de Paris, Sorbonne (France).

WHY PARTNER WITH PHOENIX EDISON

Phoenix Edison offers a rare combination of on-the-ground Nigerian development capability and established international institutional relationships:

- ▶ Proven origination: Two parallel project tracks in active development simultaneously — MSW at municipal scale and captive biomass at agro-industrial scale
- ▶ Institutional validation: GIZ funding committed and European consultancy appointed on the lead captive project — a meaningful stamp of development credibility rarely achieved at this stage
- ▶ Government support: MoU with State government long-term MSW concession for the municipal project
- ▶ Off-taker security: Term sheets and MoUs signed with major Nigerian industrial groups as confirmed off-takers
- ▶ Carbon revenue upside: Carbon credit baseline assessment underway with specialist consultants — providing an additional USD-denominated hard-currency revenue stream
- ▶ Replicable model: Both project tracks are designed to be replicated across Nigeria and West Africa as the pipeline matures

CONTACT

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