

Independent renewable energy advisory and development, Nigeria

Independent engineering and commercial advice for renewable energy in Nigeria.

Barouk Energy advises industrial companies, investors and public bodies on whether, what and how to build, and develops projects from site selection to financial close. Advisory work is paid for by the client alone: we sell no equipment and accept no supplier commissions.

Advisory services

Assess

Is an investment justified?

Energy and diesel audit

Measured load profile, generator runtime and fuel records, with a sized solar, storage and generator concept and its cost case.

Feasibility and energy yield

Bankable study with PVsyst yield modelling, dispatch strategy, grid or net billing interface and financial sensitivities.

Procure

On what terms should it be bought?

Commercial structuring

Like-for-like comparison of purchase, lease and power purchase structures, including indexation, currency and termination.

Tender and contract negotiation

Specification, qualified tender, evaluation on lifecycle cost and risk, and negotiation of EPC and O&M contracts.

Deliver

Is the asset built as specified?

Owner's engineer

Design review, construction supervision, witnessing of acceptance tests and sign-off of commissioning.

Regulatory and permitting

Mini-grid permits, net billing applications and submissions to NERC, state regulators and distribution companies.

Finance

Can capital be committed with confidence?

Technical due diligence

Independent review of design, yield, equipment, contracts and performance for investors, lenders and acquirers.

Grant and concessional finance

Technical and financial content for DARES, Rural Electrification Agency and development finance applications.

Project development

Development services

For developers and investors entering Nigeria: land, permits, grid studies and offtake, managed to ready-to-build for a fee and milestone-based success fees.

Commercial and industrial

On-site and captive solar, storage and hybrid systems for industrial sites and clusters, structured with financing partners.

Mini-grids

Isolated and interconnected mini-grids co-developed with licensed operators under the Mini-Grid Regulations 2026.

Clients

Industrial and commercial users

Manufacturers, food and beverage, agro-processing, cold storage and hotels.

Mini-grid developers and operators

Site packages, permits, DARES applications and co-development.

Investors, lenders and funds

Technical due diligence, lender's engineer mandates and development services.

Government and programmes

Electrification plans, solarisation programmes and tender design.

Principal



Samih Kalakeche, Founder and Principal. Renewable energy engineer with experience across the project lifecycle, from origination to operation.

MSc Renewable Energy Transition, Universidad Europea. Degree in Industrial Engineering. English, French, Spanish and Arabic. Based in Madrid, with site work across Nigeria.

Representative experience

More than 500 MW

Utility-scale solar and wind portfolio, Spain

Project developer, ABEI Energy, 2023 to 2024

Greenfield to ready-to-build: land rights and easements, full permitting with public administrations, grid connection, layout and energy yield.

Physical and virtual PPAs

Corporate power purchase agreements

Origination engineer, TotalEnergies, 2022 to 2023

Assessment and negotiation of PPAs, deal structures and risk allocation, and the financial models behind them.

Developers and IPPs

Photovoltaic plant design advisory

Technical advisor, RatedPower, 2024 to 2025

Utility-scale PV design, energy yield and layout optimisation against cost of energy.

Wind, solar and storage

Operating portfolio management

2025 to present

Digital management of operating portfolios: performance monitoring, forecasting and reporting.

Independence

Equipment sold	None. No panels, inverters, batteries or EPC activity.
Supplier commission	None, from any manufacturer, contractor, financier or software vendor.
Advisory fee	Fixed and agreed in writing before appointment. Not linked to system size.
Advisory and development	Separate business lines. Development projects held in separate project companies.

- 1 We do not act as owner's engineer, due diligence adviser, lender's engineer or tender manager on any project in which Barouk Development holds an interest.
- 2 A conflict check is carried out and recorded before every engagement, and any potential conflict is disclosed in writing.
- 3 On publicly or donor-funded assignments we apply the funder's conflict-of-interest rules, including World Bank procurement regulations.

Starting an engagement

Send twelve months of electricity and diesel records, or a description of the project. We advise, without charge, whether a formal assessment is justified. Proposals set out scope, deliverables, timetable and a fixed fee.

advisory@barouk.energy

barouk.energy · Madrid, Spain. Site work across Nigeria.