

PAUL OBOT UDOM

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PROFESSIONAL SUMMARY

Renewable energy and engineering professional with 5+ years of hands-on experience in solar PV system design, electrical system integration, commissioning, technical operations, energy auditing, troubleshooting, construction supervision and multidisciplinary team coordination. Experienced in translating technical requirements into practical engineering solutions, analyzing system performance, developing technical reports and using Microsoft Excel for operational tracking, analysis and reporting. Strong background in renewable-energy systems, electrical and mechanical equipment, HSE compliance, maintenance and technical problem-solving. Comfortable explaining technical decisions, evaluating alternatives and communicating complex information clearly to technical and non-technical stakeholders.

CORE COMPETENCIES

Engineering & Technical: Solar PV System Design & Engineering • Electrical System Integration • Inverter & Battery Energy Storage Systems • System Sizing & Energy Auditing • Installation & Commissioning • Equipment Monitoring & Troubleshooting • Preventive Maintenance • Technical Problem-Solving • Construction & Site Supervision.

Data & Analytical: Microsoft Excel • Technical Data Analysis • Operational Tracking & Reporting • Engineering Calculations • Performance Analysis • Data Organization & Validation • Technical Documentation • Report Preparation.

Professional & AI-Transferable: Technical Reasoning & Evaluation • Structured Problem Solving • Quality & Accuracy Review • Technical Instruction & Knowledge Transfer • Multidisciplinary Team Coordination • Clear Technical Communication

Safety & Operations: HSE Compliance • Risk Assessment & Hazard Identification • Process Monitoring • Equipment Isolation

- Permit-to-Work (PTW) Awareness • Process Safety Awareness

PROFESSIONAL EXPERIENCE

✦ **Lead Solar Technician** | Sizarus Energy & Services Ltd., Lagos | 2020 – Present

- Design and implement solar PV systems for residential and commercial applications, translating client energy requirements and load profiles into practical system configurations.
- Conduct energy audits and load assessments to determine appropriate PV capacity, inverter ratings, battery storage and overall system architecture.
- Configure and integrate inverters, charge controllers and battery energy-storage systems for reliable and efficient operation.
- Evaluate system performance, identify technical issues and implement troubleshooting and corrective actions during installation, commissioning and post-installation support.
- Lead field installation teams, coordinating technical activities while maintaining HSE requirements, quality standards and project specifications.
- Perform commissioning checks and post-installation performance assessments to verify system functionality and identify optimization opportunities.
- Coordinate preventive maintenance and post-installation performance checks for installed renewable-energy systems.
- Train technicians on solar PV installation practices, equipment configuration, troubleshooting and safe working procedures.
- Prepare technical documentation, system information and project-related reports for engineering and operational decision-making as well as apply structured technical analysis to compare system configurations, equipment requirements and performance considerations across projects.

✧ **Operations & Studio Manager** | Kavod Studio, Lagos | 2017 – 2019

- Managed studio operations, sound engineering, and digital bookkeeping.
- Performed audio mixing during recording sessions.
- Developed payroll and bookkeeping tracking systems using Microsoft Excel.

SELECTED PROJECTS

36 kW / 30 kWh / 22.4 kWp Hybrid Solar PV System - Commercial, Lagos

- Supported the design and implementation of a commercial hybrid renewable-energy system integrating PV generation, inverter capacity and battery storage.

40 kW / 60 kWh / 40.5 kWp Off-Grid Solar PV System - Commercial Banking Facility, Lagos

- Contributed to the design and implementation of a large-scale off-grid PV and battery system for commercial power requirements.

40 kW / 45 kWh / 25.4 kWp Solar Battery & Inverter Integration - Residential, Lagos

- Supported a residential energy-system upgrade involving PV generation, inverter capacity and battery-storage integration.

TECHNICAL TOOLS & SOFTWARE

- **Microsoft Excel** - Technical calculations, operational tracking, data organization, reporting and analytical workflows.
- **HelioScope** - Solar PV system design and energy modelling.
- **PVsyst** - Solar PV system modelling and performance analysis.
- **Microsoft Office Suite** - Word, Excel and PowerPoint.

EXCEL & DATA ANALYSIS CAPABILITY

- Spreadsheet-based operational tracking, payroll and bookkeeping systems; technical calculations and structured reporting.
- Data organization, validation, filtering, sorting and error checking for reliable analysis.
- Analytical approach to transforming raw operational information into structured summaries and decision-support outputs.
- Familiarity with advanced Excel workflows is being developed for expert-level spreadsheet assessment; advanced features are only claimed where demonstrable.

AI / EXPERT EVALUATION TRANSFERABLE SKILLS

- **Technical reasoning:** Breaking complex engineering requirements into clear assumptions, calculations and actionable outputs.
- **Evaluation and quality review:** Checking technical outputs for consistency, accuracy, completeness and practical applicability.
- **Problem construction and explanation:** Translating real-world engineering scenarios into structured questions, constraints and expected outcomes.
- **Knowledge transfer:** Explaining technical concepts clearly through teaching, technician training and field coordination.
- Domain expertise applicable to renewable energy, electrical systems, energy storage, equipment operation and technical analysis.

EDUCATION

- **HND, Marine Engineering** - Maritime Academy of Nigeria, Oron, Akwa Ibom State.
- **OND, Civil Engineering** - Federal Polytechnic Nekede, Owerri, Imo State.

CERTIFICATIONS & TRAINING

- **HSE Level 1, 2 & 3** — La Plage Metaverse, 2026.
- **Personal Survival, First Aid & Firefighting.**
- **Medical Certificate of Fitness.**

References: Available upon request