

Albert Nyanyisi

0793400801

albertnyanyisi@gmail.com

Eldoret

Nationality: Kenyan

Kisii County Government
Industrial Attachment

05/2024 – 08/2024

I have successfully served as an attaché in the energy department at Kisii County Government, where I acquired in-depth knowledge of various electrical and renewable energy techniques and technologies, where my key responsibilities were;

Assisted in the installation and maintenance of solar photovoltaic (PV) systems.

Supported electrical wiring and installation of renewable energy equipment.

Participated in energy audits and energy conservation activities.

Assisted in troubleshooting electrical and solar system faults.

Conducted preventive maintenance on solar installations.

Prepared technical reports and maintenance records.

Ensured compliance with workplace safety procedures.

VIBRANT CONSTRUCTION
LIMITED

07/2020 – 01/2021

Electrical Installation
Technician – Building
Construction

Skilled in electrical installation for residential, commercial, and industrial buildings, including electrical wiring, conduit installation, cable routing, and the installation of switches, sockets, lighting fixtures, and distribution boards. Knowledgeable in electrical circuit connections, basic fault diagnosis, electrical testing, and troubleshooting. Able to interpret basic electrical drawings, use electrical tools and measuring instruments, and follow established electrical safety procedures. Committed to delivering quality workmanship, reliable electrical installations, and compliance with applicable electrical standards and building requirements.

Professional Summary

Renewable Energy graduate with nearly two years of practical experience in solar PV installation and electrical installation in building construction. Skilled in solar panel mounting, installation of mounting structures, electrical wiring, and installation of electrical components. Possesses academic knowledge of renewable energy technologies, solar PV systems, and electrical principles. Committed to quality workmanship, safe installation practices, troubleshooting, and delivering reliable energy solutions for residential and commercial projects.

Work Experience

CONTRALINK CONSTRUCTIONS 04/2025 – 11/2025
Solar Installation and Panel
Mounting Technician

Experienced in solar panel installation and mounting, including rooftop installations, mounting structure assembly, panel alignment, and secure fastening. Skilled in mounting structure fabrication and welding where required, as well as cable routing and basic system inspection. Knowledgeable in solar PV system components, installation procedures, and electrical safety practices. Committed to delivering quality workmanship, maintaining safety standards, and ensuring reliable and efficient solar installations.

Education

BSc. Renewable Energy 09/2020 – 11/2024
Kisii University

Second class(lower division)

- Solar Photovoltaic Systems
- Electrical Installation
- Energy Management
- Power Systems
- Energy Storage Systems
- Electrical Safety
- Renewable Energy Technologies

KCSE 01/2015 – 11/2019
Forestal S.A secondary school

B(plain)

KCPE 02/2007 – 09/2014
Kechire Primary School

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Project

TECHNICAL PROJECTS 06/2026 – 09/2026
solar and electrical installation

1. Solar PV Installation Projects

- Installation and positioning of solar panels.
- Mounting structure installation.
- Solar panel alignment and securing.
- Installation inspection and identification of potential faults.

2. Electrical Installation Projects

- Electrical wiring and component installation.
- Identification of electrical faults.
- Inspection of connections and electrical installations.

Academic project 01/2024 – 03/2024
Simulation of power production
of a fuel cell using MATLAB and
Simulink

I have successfully optimized the efficiency, current,
and voltage of a fuel cell using MATLAB and Simulink,

facilitating easy experimentation in educational
settings.

Participated in the design and analysis of renewable
energy systems during university coursework and
practical sessions.

Designed a solar PV system based on load
requirements.

Performed system sizing, component selection, and
energy calculations.

Prepared technical documentation and cost
estimates.

Conducted energy consumption analysis.
Identified opportunities for energy savings and
efficiency improvements.

Presented findings through technical reports.

Assisted in conducting energy audits and
recommending energy efficiency improvements
during attachment.

core technical skills

Solar Photovoltaic Systems ■ ■ ■ ■ ■

Understanding of solar PV
system components and
operation.

Solar panel mounting and
installation.

Basic understanding of solar
PV system sizing.

Understanding of inverters,
batteries, and charge
controllers.

Solar system inspection and
troubleshooting.

Understanding of factors
affecting solar panel
performance.

Basic understanding of solar
system maintenance.

Electrical Installation

Electrical wiring and
installation principles.

Understanding of electrical
circuits and components.

Basic electrical fault
identification and

troubleshooting.
Electrical tools and
measuring instruments.
Understanding of electrical
safety procedures.
Basic knowledge of electrical
connections and testing.

Installation and Project Work
Solar panel mounting
structure installation.
Rooftop solar installation
procedures.
Mounting structure
fabrication and welding,
where applicable.
Installation planning and
coordination.
Materials and tools
management.
Workmanship inspection and
quality control.

Professional Skills
Technical problem-solving.
Analytical thinking.
Teamwork and
communication.
Time management.
Attention to detail.
Adaptability and continuous
learning.

Personal Attributes

Team player
Problem-solving ability
Time management
Attention to detail
Ability to work under minimal supervision

Reference

Available upon request