

FERADON ASSOCIATES LTD

Consulting Engineers

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**ELECTRICAL, MECHANICAL,
ENERGY & PETROLEUM
ENGINEERING CONSULTANCY**

**COMPANY
PROFILE**





ABOUT US

Feradon Associates is a consulting engineering firm with offices registered in Nairobi, Kenya and Kampala, Uganda.

Backed by qualified engineers with extensive training and experience, Feradon Associates brings to the Consulting fraternity a wealth of expertise and professionalism.

Feradon Associates is fully equipped with all the modern telecommunications equipment, state-of-the-art energy monitoring equipment and, above all, very highly professional and dedicated manpower.



SHOPPING MALL IN
KISUMU FOR LBDA

SERVICES

Feradon Associates offers broadbased Consulting Services in the following:-

a) Feasibility Studies

Assisting prospective investors in identification and verification of viable investment and development projects.

b) Pre-construction Services

Advising owners in negotiation and preparation of construction and professional contracts.

c) Contract Administration/Management Services

- Management of pre-construction tests and investigations Cost control and financial Administration of contracts.
- Establish performance times, design and construction programmes.
- Establish costs of labour, materials and supplies to be included in the facilities.
- Offer alternative solution whenever design details are found to adversely affect construction feasibility, cost

programmes established by the owners requirements.

d) Energy Management and Utilization

Monitoring energy utilization in all types of occupancies with detailed reports on savings and conservation.

e) Surveys

Surveys of existing services, reporting on necessary improvements and providing for solutions to malfunctioning or unsatisfactory performance on installations.

f) Environmental, Health and safety management.

g) Electrical/Electronics Engineering

h) Telecommunication / Data communication/ Computer networking.

I) Mechanical/Industrial Engineering

Internal Plumbing and drainage, Water Reticulation, Steam Services, Air-conditioning and mechanical ventilation, refrigeration, kitchen and laundry services, Industrial energy conservation and improvement of efficiency of industrial equipment, Fire fighting.



J) Energy Engineering

Design, Supervision and Contract Management for Systems of Generation, transmission, distribution and utilization of energy, including:-

- Hydros
- Coal Fired Power Plants
- Centralized Solar Systems
- Distributed Solar Systems
- Industrial Boiler Systems
- Diesel Fired Power Systems
- Nuclear Power Plants
- Power System Transmission, Distribution, Utilization and Economics
- Energy Audits and Management
- Grid Enhancement and Strengthening
- Distributed and Centralized Cooling Systems.

K) Petroleum Engineering

Design, Supervision and Contract Management for all aspects of upstream, mid-stream and downstream activities for the utilization of petroleum resources including:-

- Extraction
- Pipework, Flow Control, Leak detection and Fire Security
- Control Systems in the transportation of petroleum products
- Fire Detection and Control

L) Solar Wind Hybrid Electric System Design, Operation and Installation

We specialize in Solar Photovoltaics (PV) systems design, Wind Energy and other renewable energy sources. Our services comprise the following:-

- Evaluating a building site for its solar potential; The first step we undertake is determining if the site being considered has good solar potential, mounting location, shading, orientation, required area, roof types etc. Building Integrated PV (BIPV) modules, which can be integrated into the roof itself, might be

considered for new construction or for an older roof in need of replacing. While BIPV products currently have a premium price, costs are expected to decrease

- Common grid-connected PV system configurations and components. We consider various Solar PV System types. Will it be connected to the utility's transmission grid? Will it produce alternating current (AC) or direct current (DC) electricity, or both? Will it have battery back-up? Will it have back-up by a diesel, gasoline or propane generator set?
- Considerations in selecting components. Considerations in design and installation of a Solar Wind Hybrid System.
- Typical costs and the labor required to install the system
- Building and electric code requirements.

Emphasis are placed on information that is useful in including a grid-connected PV system in a bid for a residential or small commercial building. We also cover those details of the technology and installation that may be helpful in selecting subcontractors to perform the work, working with our designer, and directing work as it proceeds. A summary of system types and components is given so the builder can know what to expect to see in a design submitted by a subcontractor or Feradon Engineers.

M) Major Infrastructure Projects

Design, Supervision and Contract Management of Major Infrastructure Projects in Transport, Health, Manufacturing and Housing Sectors.

PROJECTS PORTFOLIO

**Project Name:**

Nairobi - Mombasa standard gauge railway line and stations

Name of Client:

Kenya Railways

Narrative Description of Project:

Design Review and Supervision of station buildings and Associated Electrical/Mechanical Services.

Start Date: 2015 **Completion:** 2017

Approx. Value of Project: KSh. 327 Billion

**Project Name:**

Consultancy services for development of a power generation & transmission master plan

Name of Client:

Ministry of Energy and Petroleum, Kenya

Narrative Description of Project:

Prepare and conduct a survey among large energy and electricity consumers (commercial and industrial) and medium and small sized energy and electricity consumers (commercial and industrial) for preparation of Masterplan.

Start Date: 2014 **Completion:** 2017

Approx. Value of Project: KSh. 300 Million

**Project Name:**

Technical Evaluation of Kenya's Electrical Grid to Support its Nuclear Power Plant

Name of Client:

Kenya Nuclear Electricity Board

Narrative Description of Project:

To assess Kenya's electric grid characteristics in order to obtain a clear picture of the grid environment in which the proposed NPP is likely to be operated.

Start Date: 2015 **Completion:** 2017

Approx. Value of Project: KSh. 370 Million

**Project Name:**

Construction of a Modern Office Complex to accommodate road sector institutions

Name of Client:

Kenya National Highways Authority

Narrative Description of Project:

Office Block Development complete with Conference Facility and Restaurants.

Start Date: 2017 **Completion:** 2020

Approx. Value of Project: KSh. 4 Billion

**Project Name:**

Shopping Mall Complex at Lower Kanyakwar, Kisumu

Name of Client:

Lake Basin Development Authority

Narrative Description of Project:

The project comprises a Shopping Mall, 5-Star Hotel, Show rooms, and Tyre Centre.

Start Date: 2013 **Completion:** 2017

Approx. Value of Project: KSh. 4 Billion

**Project Name:**

Kenya School of Monetary Studies – Proposed Remodelling and New Works

Name of Client:

Kenya School of Monetary Studies

Narrative Description of Project:

The project consists of Refurbishment, Remodelling and New Works for Kenya School of Monetary Studies in order to bring it to a seven star facility, for holding international conferences.

Start Date: 2009 **Completion:** 2013

Approx. Value of Project: KSh. 6 Billion



Project Name	Proposed Modern Library for Rongo University	
Name of Client	Rongo University	
Narrative Description of Project	Design and supervision of Electrical and Mechanical Installations and Associated Services	
Start Date: 2019	Completion: Ongoing	Approx. Value of Project: Ksh. 1.5 Billion

**Project Name:**

Completion Works to Kibabii Teachers Training College

Name of Client:

Ministry of Public Works

Narrative Description of Project:

Completion Works to Kibabii Teachers Training College in Bungoma - Design and supervision of Electrical Installations and Associated Services

Start Date: 2007 Completion: 2013

Approx. Value of Project: KSh. 4.5 Billion

**Project Name:**

ICPAK Complex in Ruaraka, Nairobi

Name of Client:

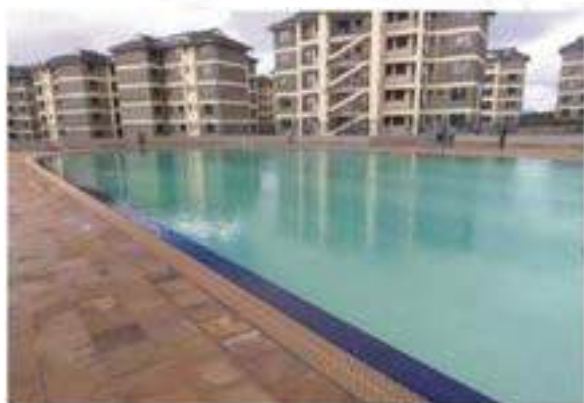
Institute of Certified Public Accountants of Kenya

Narrative Description of Project:

The project comprises an office block and serviced apartment block along Thika Road, Nairobi

Start Date: 2011 **Completion:** 2016

Approx. Value of Project: KSh. 1.8 Billion

**Project Name:**

Mwalimu Sacco Housing Scheme - Kisaju.

Name of Client:

Mwalimu National SACCO

Narrative Description of Project:

The project involves developing mixed houses on a 20 acre land in Kisaju. It also involves a commercial centre and a nursery school.

Start Date: 2015 **Completion:** Dec. 2017

Approx. Value of Project: KSh. 3 Billion

**Project Name:**

Proposed Construction & Completion of relocation units & safety infrastructure for Kenya Railways

Name of Client:

Kenya Railways

Narrative Description of Project:

Modern Units for relocating the Project Affected Persons who are on the Railway Way leave

Start Date: 2011 **Completion:** Ongoing

Approx. Value of Project: KSh. 14 Billion

**Project Name:**

Proposed Office Block Development In
Upper Hill Area, Nairobi

Name of Client:

Mwalimu National Saving And Credit
Organization

Narrative Description of Project:

The project comprises construction office
blocks in upper hill.

Start Date: 2013 **Completion:** 2017

Approx. Value of Project: KSh. 2 Billion

**Project Name:**

Remodelling and Modernization of
Parliament Chambers, Kenya
National Assembly

Name of Client:

Parliamentary Service Commission

Narrative Description of Project:

Refurbishment of Kenya Parliament
Chamber consisting of Electrical
Installations, Electronic Voting, Digital
Congress Network and Radio and TV
Broadcasting Equipment.

Start Date: 2004 **Completion:** 2012

Approx. Value of Project: KSh. 1.2 Billion

**Project Name:**

New Offices & Warehouse on Mombasa Road for
Mission for Essential Drugs and Supplies (MEDS)

Name of Client:

Mission for Essential Drugs and Supplies (MEDS)

Narrative Description of Project:

The project comprises of offices and
warehouse for Mission for Essential
Drugs and Supplies on Mombasa Road,
Nairobi.

Start Date: 2006 **Completion:** Dec. 2012

Approx. Value of Project: KSh. 650 Million



Start Date: 2019 Completion: 2021

Approx. Value of Project: KSh. 1 Billion

Project Name:

Proposed Office Development along Muthangari Road, Lavington, Nairobi.

Name of Client:

African Guarantee Fund

Narrative Description of Project:

The project comprises construction of an office block and interior fit-out works. Services include Electrical Installations, Plumbing and Drainage, Fire Alarm Installations, Generator Installation, Air-conditioning and Mechanical Ventilation Installations, Access Control and Security Alarm Installations, CCTV Installations, UPS Installations, Communication Services (ICT) Installations, and Passenger Lifts Installations.



Start Date: 2021 Completion: Ongoing

Approx. Value of Project: KSh. 600 Million

Project Name:

Proposed Ultra Modern Kisumu County Assembly Chambers and Offices

Name of Client:

County Assembly of Kisumu

Narrative Description of Project:

The project comprises design and construction of County Assembly Chambers and Offices and the services includes Electrical, ICT, Standby Generator, Passenger Lifts, Digital Congress Network, HVAC, Plumbing and Drainage, CCTV, Security and Access Control, among others.

OTHERS

Client	Description
ACK	ACK Pumwani Hostel Blocks ABC & D Power Meter Separation
Church Commissioners of Kenya	Improvement of water supply at Cumberland Court
Church House	Installation of Current Transmission Chamber at Church House

**Project Name:**

Kenya Shell Nairobi Terminal

Name of Client:

Kenya Shell

Narrative Description of Project:

Replacement of Pipeworks/ Pumps and Valves

Approx. Value of Project: USD 10 Million

**Project Name:**

Tank Renovations, Pumps and Loading Arms Installation at the Nairobi Joint Depot

Name of Client:

Kobil Petroleum Limited

Narrative Description of Project:

Our services included:

- Preliminary and detailed engineering design
- Production design, drawings, specifications and schedule of materials
- Preparation of tender documents
- Pre-qualification of contractors and tender action Review, analysis and recommendation of tenders
- Construction supervision

Approx. Value of Project: USD 11 Million

**Project Name:**

Oil Terminal for Hashi Empex Ltd.

Name of Client:

Hashi Empex Ltd.

Narrative Description of Project:

Services included the following:

- Fire Fighting Systems Installations
- Electrical Installations and Associated Services

Approx. Value of Project: USD. 7.5 Million



OTHER PROJECTS

DATA CENTRES		
Client	Description	Approx. Cost (Ksh)
Co-operative Bank of Kenya Ltd	Upgrade of select Services at the main Data Centre at co-op Trust Building, Upperhill, Nairobi Size of Data Centre: Tier 3 Construction Area: 300 sq Metres	100 Million
		
Co-operative Bank of Kenya Ltd	Proposed Data Recovery in Karen Size of Data Centre: Tier 3 Construction Area: 414 sq Metres	250 Million
	Proposed Modern Data Centre at co-op Trust Building Size of Data Centre: Tier 3 Construction Area: 300 sq Metres	598 Million
		

OTHER PROJECTS

DATA CENTRES		
Client	Description	Approx. Cost (Ksh)
	Proposed Data Centre at Mwalimu National Sacco Headquarters in Upperhill, Nairobi. Size of Data Centre: Tier 3 Construction Area: 209 sq Metres	310 Million
	Proposed Data Centre at Kengen Plaza Size of Data Centre: Tier 3 Construction Area: 242 sq Metres	390 Million
Mission for Essential Drugs & Supplies	Data Centre along Mombasa Road Size of Data Centre: Tier 3 Construction Area:	100 Million
		



OTHER PROJECTS

PETROLEUM		
Client	Description	Approx. Cost in USD.
Kenya Shell Limited	Blending Plant - Mimic Plant - Holding Tanks - High Level Indication	2.5 Million
Shell Tanzania Ltd.	Fuel and Lubrication Storage at Geita	5 Million
Kenya Shell Ltd. / Shell Djibouti Ltd.	Rehabilitation of Fire Fighting Equipment at Djibouti Terminal	10 Million
Kenya Shell Nairobi Terminal	Replacement of Pipeline/ Pumps and Valves	10 Million
Kobil Petroleum Ltd.	Tank Renovations, Pumps and Loading Arms Installation at the Nairobi Joint Depot. Our services included: ▪ Preliminary and detailed engineering design Production design, drawings, specifications and schedule of materials ▪ Preparation of tender documents ▪ Pre-qualification of contractors and tender action ▪ Review, analysis and recommendation of tenders ▪ Construction supervision	11 Million
Hashi Empex Ltd.	Oil Terminal for Hashi Empex ltd. on Plot LR No. 209/7750/2, Off Nanyuki Road, Industrial Area - Nairobi Our Services included the following: ▪ Fire Fighting Systems Installations ▪ Electrical Installations and Associated Services	7.5 Million



OTHER PROJECTS

Housing / Office Blocks		
Client	Description	Approx. Cost in Ksh.
Rongo University College	Proposed Library, Lecture Theatres, Laboratory and Hostels in Town and Main Campuses for Rongo University College	7 Billion
County Goivernment of Siaya	Consultancy Services for Design and Supervision of Siaya County Headquarters	1.2 Billion
General Conference of Seventh Day Adventist	Library, Staff Housing and Students Accommodation for Adventist University of Africa	700 Million
Central Bank of Kenya Pension Fund	Timau Road Plaza for Central Bank Pension Fund	400 Million
United Nations Office at Nairobi	Modernization of UN Conference Facilities	300 Million
Communications Authority of Kenya	New "Intelligent" Headquarters building for Communications Commission of Kenya	400 Million

Industrial		
Client	Description	Approx. Cost in Ksh.
Mission for Essential Drugs and Supplies (MEDS)	Proposed New Offices & Warehouse on Mombasa Road for Mission for Essential Drugs and Supplies (MEDS)	650 Million
Kenya Airports Authority	Proposed Terminal Building and passenger Lounge at Malindi Airport	160 Million
Kenya Airports Authority	Proposed Terminal Building and passenger Lounge at Manda Airstrip	170 Million
The Co-operative Bank of Kenya Ltd.	Modern Data Centre at Co-op Trust Plaza for Co-operative Bank of Kenya	375 Million
Central Bank of Kenya	Modernization of CBK Headquarters - Phase III.	940 Million



Health/ Hospitals

Client	Description	Approx. Cost in Ksh.
Kenyatta National Hospital.	Proposed Design, Documentation And Supervision Of Construction Of Burns Management Centre And Paediatric Emergency Centre.	2 Billion
St. Margeritta Hospital	St. Margeritta Hospital and Medical Training Centre in Suba, Kenya.	300 Million
Kenya Medical Research Institute (KEMRI)	Expansion of KEMRI/WRP - Kericho	150 Million

Solar PV Systems

Client	Description	Approx. Cost in Ksh.
Konza Technopolis Development Authority (KoTDA)	60kW Hybrid Solar PV System	30 Million
Kenya National Highways Authority (KeNHA)	20kW Hybrid Solar PV System	10 Million
Institute of Certified Public Accountants of Kenya	15kW Hybrid Solar PV System	8 Million
Zoslu Hospital, Kilifi	500kW Off-Grid Solar PV System	200 Million
JET Properties and Apartments Ltd.	75kW Hybrid Solar PV System	35 Million
Kitisuru Hospital for NIS	50kW Grid Tied Solar PV System	10 Million
Greenspan Mall Ltd	200kW Grid-Tied Solar PV System	40 Million

COMPANY ORGANOGRAM

The background of the page features a faded, artistic rendering of architectural blueprints. A large sheet of paper is unrolled, showing various technical drawings, including floor plans and structural details. A rolled-up tube of paper, also containing blueprints, is visible in the lower right quadrant. The overall aesthetic is professional and technical, reflecting the company's focus on architecture and engineering.

FERADON ASSOCIATES LTD. - ORGANOGRAM

