



NOITECH
— ENGINEERING LTD —

*"The balance of Quality, Time,
and Cost"*

COMPANY PROFILE

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Integrated Engineering Solutions for
Infrastructure Investigation, Structural & Bridge
Assessment, Independent Materials Testing,
Pavement Evaluation, Construction Support and
Project Management.



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"INDEPENDENT MATERIALS TESTING & INSPECTION CENTRE

Brief Background

NOITECH ENGINEERING LTD is a multi-disciplinary consulting firm established in 2017 by professional engineers and incorporated in 2018 under the Kenya Companies Act (Cap. 486). We specialize in geotechnical principles and civil engineering materials testing to ensure safe, economical, and practical construction projects. By evaluating risk and sub-surface uncertainties, we enable our clients to overcome challenges presented by complex soil, rock, and groundwater conditions.

2017
ESTABLISHED

2018
INCORPORATED

COUNTRIES

Kenya, Somalia, Mozambique, Zanzibar, Tanzania and South Sudan

Key Services



Geotechnical Investigations & Subsurface Exploration



Independent Materials Testing & Quality Control



Structural Audits & Building Integrity



Geophysical Investigation & Surveys



Dams, Tunnels & Water Infrastructure



Environmental & Baseline Studies



Roads, Highways & Pavement Engineering



Engineering Consultancy, Project Planning & Management

Sectors We Serve



Engineering Consulting Firms



International and Local Contractors



Government institutions and agencies



Donor-funded infrastructure projects



Utilities and power sector clients



Private developers and industrial clients



Academic and religious institutions



VISION, MISSION & CORE VALUES.

Vision

To offer proficiency to satisfy client's needs by providing innovative, creative, feasible, quality solutions to geotechnical engineering problems that are economical, desirable and environmentally sustainable within record time.

Mission Statement

Our mission is to be engaged in all kinds of constructions projects studies and implementation processes efficiently and effectively.

- To be a good partner in development endeavors of our local and overseas client in collaboration with our local and international partners providing quality services and exceeding their expectations.
- To work as a partner in the efforts for capacity building in the construction industry and advocate to the upholding and enhancement of the professional standards, ethics and diversity in the provision of the Engineering consultancy services
- To Uphold and provide priority to actions leading to the protection public properties, health, safety and environment in provision of our services.
- To ensure sustainable profitability and good returns of our investment.

Our Core values

E.

Experience

We have unparalleled experienced team able to give our clients the best advice and guidance from our services.

I.

Integrity

Acting with sound moral principles by being consistently honest, responsible, accountable and respectful by embracing innovative solutions for the enhancement of our services.

E.

Efficiency

Obtaining the best possible outcome in the least wasteful manner by maintaining dynamic, relevant policies and procedures while consistently supporting a quality workforce.

T

Trust

A belief arising from a mutual understanding of expectations based on consistent leadership, professionalism, integrity, respect, and appropriate confidentiality.

WHY CHOOSE US.



What Sets Us Apart



Proven Expertise

Led by Registered Professional Engineers with a wealth of experience across geotechnical, structural, environmental, and materials engineering.



Quality & Accuracy

We combine advanced tools, accredited laboratories, and ethical practices to deliver reliable results you can trust.



Comprehensive Solutions

From site investigations and materials testing to structural audits, project management, and environmental studies, we cover the full spectrum of engineering services.



Client-Centered Approach

We work closely with our clients to provide innovative, cost-effective, and sustainable solutions tailored to their needs.



Commitment to Safety & Sustainability

Protecting people, property, and the environment is at the heart of everything we do.

10+

YEARS OF
EXPERIENCE &
EXPERTISE

400+

COMPLETED
PROJECTS

22

TEAM OF
EXPERTS

OUR SERVICES

1.

GEOTECHNICAL EXPLORATION & SUBSURFACE ENGINEERING

Noitech Engineering Ltd provides comprehensive geotechnical exploration and subsurface engineering services to characterize ground conditions and support safe, economical, and durable infrastructure development. Our investigations combine field testing, laboratory analysis, drilling, geological assessment, geophysical surveys, and groundwater monitoring to establish reliable subsurface data for engineering design and construction.

We support projects from preliminary site investigation and feasibility assessment through detailed geotechnical evaluation, foundation design support, and construction quality control.

- **Rotary Core Drilling, Percussion Drilling & Trial Pitting** – Borehole investigation, core recovery, geological profiling and trial pit logging.
- **Standard Penetration Testing (SPT) & Dynamic Cone Penetrometer (DCP) Testing** – In-situ assessment of soil strength, density and subgrade characteristics.
- **In-Situ Density Testing** – Sand Replacement Method for determination of field density and compaction compliance.
- **Plate Load Testing (PLT)** – Assessment of allowable bearing capacity, settlement characteristics and modulus of subgrade reaction/elastic modulus.
- **Borehole Pressuremeter Testing** – In-situ evaluation of soil and rock deformation characteristics and bearing behaviour.
- **Packer (Lugeon) Permeability Testing** – Assessment of rock mass permeability and hydraulic conductivity, particularly for foundations, dams and water-retaining structures.
- **Groundwater Monitoring** – Installation and monitoring of groundwater levels and subsurface hydrogeological conditions.
- **Geophysical Surveys** – Vertical Electrical Sounding (VES) and Electrical Resistivity Tomography (ERT) for subsurface profiling, groundwater exploration, geological characterization and identification of anomalous zones

OUR SERVICES

2.

ROADS, HIGHWAY & PAVEMENT ENGINEERING

Noitech Engineering Ltd provides specialized roads, highway, and pavement engineering services covering the investigation, evaluation, design support, and quality assessment of transportation infrastructure. Our services integrate subgrade investigations, pavement condition and capacity assessments, materials testing, pavement evaluation, materials prospecting, and construction quality control.

We support road projects from preliminary alignment and subgrade investigations through pavement design and assessment, rehabilitation planning, materials evaluation, and construction compliance, helping clients develop safe, durable, and cost-effective road infrastructure.

- **Subgrade Investigation & Classification** – Soil sampling, laboratory testing, subgrade characterization and alignment classification.
- **Pavement Materials Testing & Evaluation** – Testing and evaluation of gravel, sub-base, base course and other pavement materials.
- **Bitumen & Asphalt Testing** – Laboratory and field assessment of bituminous materials and pavement performance.
- **Materials Prospecting & Source Assessment** – Identification and evaluation of suitable sources for hard stone, aggregates, gravel, construction sand and other road construction materials.
- **In-Situ Pavement Evaluation** – Assessment of existing pavement condition, material properties, compaction and structural performance.
- **Pavement Capacity Assessment** – Evaluation of pavement structural capacity, bearing performance and suitability for anticipated traffic loading.
- **Pavement Compliance Audits** – Independent assessment of pavement materials and construction works against specified design and quality requirements.

OUR SERVICES

3.

STRUCTURAL AUDITS & BUILDING INTEGRITY

Noitech Engineering Ltd provides specialized roads, highway, and pavement engineering services covering the investigation, evaluation, design support, and quality assessment of transportation infrastructure. Our services integrate subgrade investigations, pavement condition and capacity assessments, materials testing, pavement evaluation, materials prospecting, and construction quality control.

We support road projects from preliminary alignment and subgrade investigations through pavement design and assessment, rehabilitation planning, materials evaluation, and construction compliance, helping clients develop safe, durable, and cost-effective road infrastructure.

- **Non-Destructive Testing (NDT)** – Schmidt Hammer/Rebound Hammer testing, electromagnetic cover scanning and Ultrasonic Pulse Velocity (UPV) testing for assessment of concrete quality and structural condition.
- **Destructive Testing & Concrete Assessment** – Concrete core extraction, laboratory testing and compressive strength determination.
- **Structural Condition Assessments** – Investigation and technical assessment of cracked, distressed, deteriorated, failed or existing structures.
- **Structural Integrity Audits** – Assessment of structural performance, defects, durability and overall serviceability.
- **Foundation Investigations** – Geotechnical and foundation assessments for low-rise and high-rise buildings, bridges, telecommunication towers and other infrastructure.
- **Structural Failure Investigations** – Technical investigations to establish potential causes and contributing factors associated with structural distress or failure.



OUR SERVICES

4.

DAMS, TUNNELS & WATER INFRASTRUCTURE

Noitech Engineering Ltd provides specialized geotechnical, geological, and engineering investigation services for dams, tunnels, reservoirs, and other water infrastructure. Our investigations focus on understanding ground conditions, geological formations, permeability, seepage characteristics, groundwater conditions, and overall ground stability.

We support the planning, design, construction, assessment, and rehabilitation of critical water infrastructure through integrated field investigations, geophysical surveys, geological mapping, and engineering analysis.



- **Geological & Geotechnical Investigations** – Subsurface investigations, geological mapping and characterization of foundation and surrounding ground conditions.
- **Seismic & Geophysical Investigations** – Seismic soundings and other geophysical techniques for subsurface profiling and ground stability assessment.
- **Ground Stability Assessment** – Evaluation of geological and geotechnical conditions affecting the stability and performance of dams, tunnels and associated infrastructure.
- **Seepage & Permeability Investigations** – Assessment of groundwater movement, seepage pathways, permeability and hydraulic characteristics of foundation and surrounding formations.
- **Water-Retention & Leakage Assessment** – Investigation of ground and structural conditions affecting water retention and leakage control.
- **Geological Mapping & Engineering Assessment** – Geological mapping and engineering characterization for dams, reservoirs, tunnels, water-retaining structures and associated infrastructure.

OUR SERVICES

5.

INDEPENDENT MATERIALS TESTING & QUALITY CONTROL

Noitech Engineering Ltd provides independent materials testing and quality control services to verify the performance, suitability, and compliance of construction materials and works with applicable project specifications and standards. Our laboratory and field testing services cover soils, aggregates, concrete, pavement materials, and other construction materials.

Through independent testing, inspection, and quality assurance, we help clients establish confidence in material performance, construction quality, and project compliance throughout the project lifecycle.

We serve contractors, developers, consultants, and government agencies across Kenya with professional laboratory and field testing solutions that verify the integrity of construction materials and support project success.

We have had partnerships with the Ministry of Roads, Materials Testing and Research Laboratories Department (MTRD) Laboratories, Jkuat Engineering Laboratories.

Concrete Testing

- Compressive strength tests (cubes & cylinders)
- Mix design & trial mixes
- Workability (slump, flow table tests)
- Durability and permeability testing

Aggregates Testing

- Sieve analysis (gradation)
- Aggregate crushing value (ACV)
- Flakiness & elongation index
- Los Angeles abrasion test

Soil Testing

- Compaction tests (Proctor, Modified Proctor)
- California Bearing Ratio (CBR)
- Moisture content & Atterberg limits
- Shear strength & permeability tests

Asphalt / Bituminous Testing

- Marshall stability and flow tests
- Bitumen content & grading
- Density and compaction testing





OUR SERVICES

6.

ENVIRONMENTAL ENGINEERING & SITE ASSESSMENT

Noitech Engineering Ltd provides environmental and baseline investigation services to establish the physical and environmental conditions of project sites before development. Our assessments integrate site investigations, geological and geotechnical observations, environmental data collection, and technical analysis to establish baseline conditions and identify potential site constraints.

- Environmental Engineering Services
- Baseline Environmental and Site Studies
- Site Feasibility Assessments
- Geotechnical Input to Environmental and Infrastructure Assessments
- Ground and Subsurface Characterization

7.

ENGINEERING CONSULTANCY, PROJECT PLANNING & MANAGEMENT

We combine technical expertise in geotechnical engineering, materials testing, structural assessment, infrastructure investigation, and construction quality management.

Our consultancy services are focused on practical engineering solutions, effective project coordination, technical risk management, quality assurance, and successful delivery of infrastructure projects.

- Infrastructure Project Planning
- Engineering Project Management
- Technical Due Diligence
- Engineering Advisory and Consultancy Services
- Construction Monitoring and Technical Inspection
- Quality Assurance, Compliance and Technical Reporting

8.

GEOPHYSICAL INVESTIGATION & SURVEYS

Noitech Engineering Ltd provides geophysical investigation services for non-invasive characterization of subsurface conditions and geological formations. Our surveys utilize techniques such as Vertical Electrical Sounding (VES) and Electrical Resistivity Tomography (ERT) to investigate subsurface variability, groundwater potential, geological structures, and anomalous zones.

Geophysical data is integrated with geotechnical and geological investigations to improve subsurface understanding, reduce investigation uncertainty, and support informed engineering decisions.

OUR TEAM

Expertise. Experience. Collaboration



At **Noitech Engineering Ltd**, our strength is our multidisciplinary team of engineers, geoscientists, laboratory professionals, surveyors, technicians, project specialists, and business support professionals.

We bring together diverse technical expertise and practical experience to provide clients with dependable engineering information, professional consultancy, and solutions that support safer and more sustainable projects..

Our teams work collaboratively to deliver reliable, practical, and quality-driven solutions across the project lifecycle.

Leadership

Managing Director provide strategic direction, corporate governance, business leadership, and overall operational oversight.

Engineering & Technical Services

Our technical professionals deliver:

- Geotechnical investigations and engineering
- Materials testing and quality assurance
- Geophysical investigations and surveys
- Site investigations and field services
- Engineering analysis and technical reporting

Projects & Engineering

Our project engineers, site engineers, surveyors, and project coordinators support design, construction supervision, project planning, coordination, and technical delivery.

Laboratory & Quality Assurance

Our laboratory team provides independent testing, sample preparation, analysis, results reporting, and quality-control support for construction and infrastructure projects.

Business & Administration

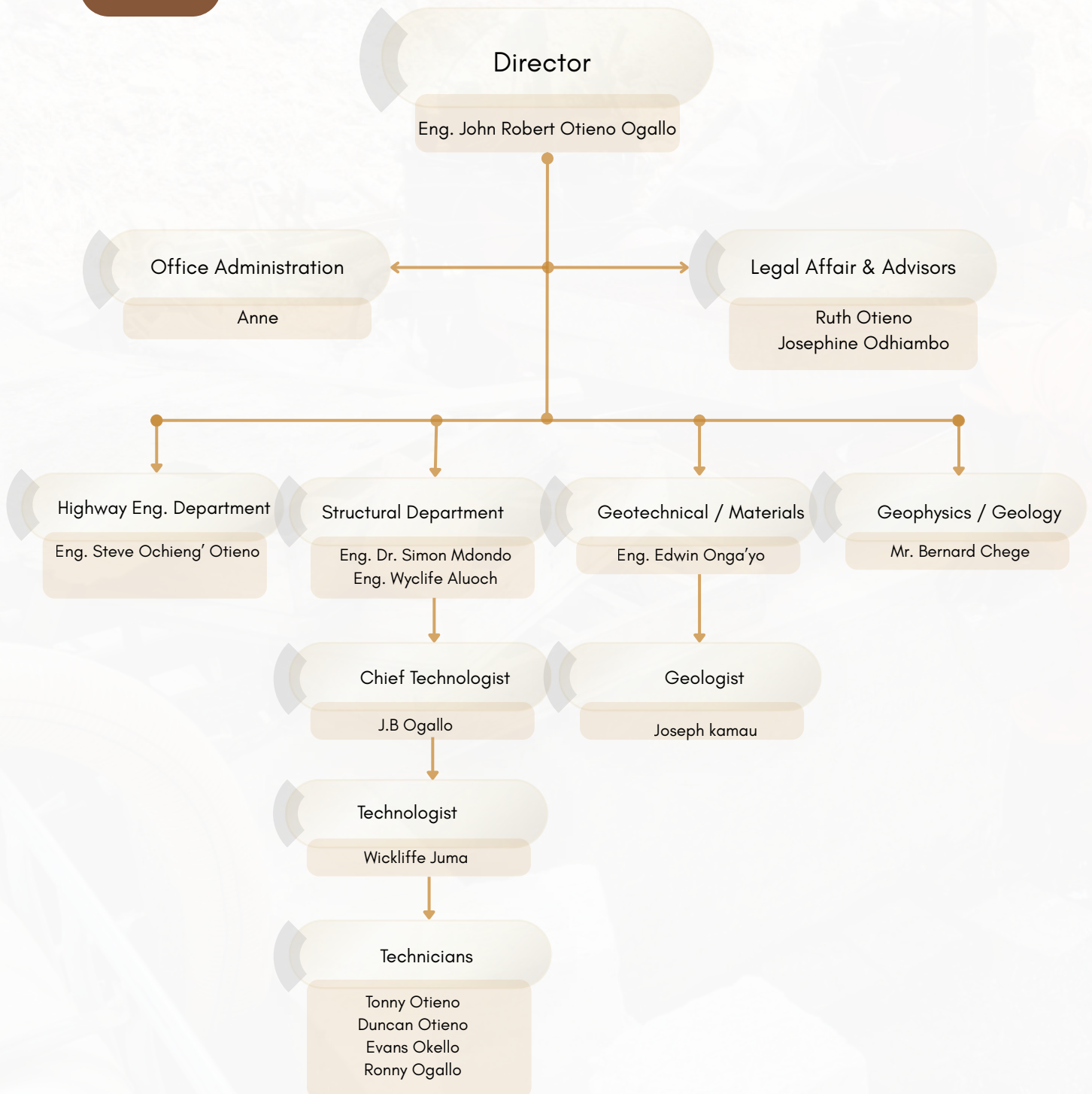
Our business development, marketing, finance, procurement, HR, and administration teams ensure effective client engagement, business growth, financial management, procurement, and organizational support.

Integrated Support

Health & Safety, IT & Systems, Legal & Compliance, and Sustainability & CSR functions support responsible and efficient operations.

COMPANY STRUCTURE

2026



ASSORTED PAST PROJECT EXPERIENCE

Our firm has about 10 years of continuous professional experience in geotechnical engineering, materials testing, geophysical investigations, and structural audits for infrastructure and building projects. Extensive experience in providing geotechnical investigation consultancy services for a range of developments.



Featured Projects

● Energy & Infrastructure

Olkaria V Geothermal Power Plant

HV substations & transmission line
geotechnical investigation

Olkaria-Suswa 220kV Transmission

In-situ bearing capacity and plate load testing
(Siemens / Isolux Corsan)

Ruai Waste-to-Energy Plant (KenGen/NMS)

15 boreholes to 200m depth, trial pits, VES
geophysical testing

● Building & Commercial

KAIST University, Konza Technopolis

Foundation geotechnical factual report

Mi Vida Homes, Garden City

Geotechnical investigation for 6 multi-storey
residential towers

Mediheal Research Centre, Parklands

4 boreholes to 25m depth, core analysis and
reporting

● Highways & Major Roads

Jowhar-Baidoa Road, Somalia

Detailed materials and engineering studies

Mau Mau Road Lot 3 (Nyeri)

DCP testing and pavement evaluation audit

Kitale-Morpus Road Bridges

Deep core drilling for 2 major bridges and
slope stability analyses

● Structural Audits

Nairobi Hospital Pediatric Centre

Ultrasonic Pulse Velocity and core cutting
audits

Central Bank of Kenya Police Housing

Electromagnetic scanning and slab testing

Henkel Kenya Office Refurbishment

Structural integrity assessment of columns,
beams, and slabs

GEOTECHNICAL INVESTIGATION PROJECTS

Date	Service Category	Project / Assignment	Client / Engaging Firm	Location	Investigation / Testing Scope
Jul 2026	Geotechnical Investigation	Proposed Attorney General's Chambers	Linzi Finco LLP	Kenya	4 boreholes to maximum depth of 25m each; logging, laboratory testing and reporting
Jul 2026	Geotechnical Investigation	Proposed Development on Plot No. 1107 on LR No. 10744/2, Thika	Christ the King, Thika Greens Catholic Church	Thika, Kenya	3 boreholes to maximum depths of 10m and 15m; logging, laboratory testing and reporting
Jun 2026	Geotechnical Investigation	Proposed Development on Dunga Junction Kisumu Nyalenda B'/3691	Dev Karia	Kisumu, Kenya	2 boreholes to maximum depth of 10m each; logging, laboratory testing and reporting
Jun 2026	Geotechnical Investigation	Proposed Development on Plot No. Kisumu/Kasule 1529	Dev Karia	Kisumu, Kenya	3 boreholes to maximum depths of 10m and 15m; logging, laboratory testing and reporting
May 2026	Geotechnical Investigation	Proposed Residential Development Tsavo Pioneer Eldoret Block 9/1932 & 9/1933	Tsavo Pioneer Eldoret	Eldoret, Kenya	6 boreholes to maximum depth of 15m each; logging, laboratory testing and reporting
May 2026	Geotechnical Investigation	Proposed Development of The Oval Residence	Sixty Shaniz Limited	Kenya	2 boreholes to maximum depth of 15m each; logging, laboratory testing and reporting
May 2026	Geotechnical Investigation	Proposed Development of 7 Storey on L.R. No. 14225/345	Zachary Muigai Muchuku	Kenya	1 borehole to maximum depth of 10m; logging, laboratory testing and reporting
Apr 2026	Geotechnical Investigation	Proposed Modern II Homes LR/NO 13631/18	Nicollo Limited	Kenya	1 borehole to maximum depth of 15m; logging, laboratory testing and reporting
Apr 2026	Geotechnical Investigation	Proposed Development on Plot LR No. 10900/1 Plot No. C-50	Michael Njihia Kiarie	Kenya	1 borehole to maximum depth of 15m; logging, laboratory testing and reporting
Apr 2026	Geotechnical Investigation	Proposed Construction of Mwai Kibaki Hospital Tower	Mwai Kibaki Referral Hospital	Kenya	2 boreholes to maximum depth of 10m each; logging, laboratory testing and reporting
Apr 2026	Geotechnical Investigation	Proposed Mixed Used Development at Kikuyu, Kiambu County	Joseph Njunge Mukirai	Kikuyu, Kiambu County, Kenya	1 borehole to maximum depth of 15m; logging, laboratory testing and reporting
Mar 2026	Geotechnical Investigation	Proposed Hawas Suits	Alex Nyaribo Ombongi	Kenya	1 borehole to maximum depth of 12m; logging, laboratory testing and reporting
Mar 2026	Geotechnical Investigation	Proposed Residential Development on Plot LR No. MN/III/5411	Metros Maids Ltd	Kenya	2 boreholes to maximum depths of 10m and 15m; logging, laboratory testing and reporting
Mar 2026	Geotechnical Investigation	Proposed Commercial Development on Plot LR No. 4953/81/IX – Thika Town	MCI Imaging Centre Thika	Thika, Kenya	2 boreholes to maximum depth of 20m; logging, laboratory testing and reporting

GEOTECHNICAL INVESTIGATION PROJECTS

Feb 2026	Geotechnical Investigation	Proposed Residential Apartment on Plot LR No. Nairobi Block 19 in Kilimani, Nairobi County	Khushi Motors Ltd	Nairobi, Kenya	3 boreholes to maximum depth of 25m each; logging, laboratory testing and reporting
Feb 2026	Geotechnical Investigation	Proposed Emorolds Heights on Plot LR No. 19089 & 10920	Arstone Ltd	Kenya	3 boreholes to maximum depth of 15m each; logging, laboratory testing and reporting
Jan 2026	Geotechnical Investigation	Proposed Remodeling of Existing School Facility on LR No. in Umoja	Johari School	Nairobi, Kenya	2 boreholes to maximum depth of 5m each; logging, laboratory testing and reporting
Jan 2026	Geotechnical Investigation	Proposed Construction of Chuka TVC Students Accommodation	Azeco Investment Ltd	Tharaka Nithi County, Kenya	3 boreholes to maximum depth of 15m each; logging, laboratory testing and reporting
Dec 2025	Geotechnical Investigation	Proposed Construction of Meru University Student Village	Azeco Investment Ltd	Meru, Kenya	2 boreholes to maximum depth of 15m each; logging, laboratory testing and reporting
Dec 2025	Geotechnical Investigation	Design for the Proposed Amboseli Irrigation Project	Ministry of Water and Irrigation	Kajiado County, Kenya	4 trial pits to maximum depth of 3m or rock head; logging, laboratory testing and reporting
Oct 2025	Geotechnical Investigation	Design of Rosslyn Ridge Wall Structural Services on Limuru Road LR No. 24972, Rosslyn	Aegis Development Solutions Ltd, lead consultants, on behalf of Embassy of United States, ..	Rosslyn, Nairobi, Kenya	2 boreholes to maximum depth of 10m and 3 trial pits to maximum depth of 3m or rock head; logging, laboratory testing and reporting
Oct 2025	Geotechnical Investigation	Proposed Olenguruone Stadium	County Government of Nakuru	Nakuru County, Kenya	2 boreholes to maximum depth of 10.50m each; logging, laboratory testing and reporting
Aug 2025	Geotechnical Investigation	Proposed Thindigua Apartments	Hemo Properties	Kiambu County, Kenya	3 boreholes to maximum depth of 20m each; logging, laboratory testing and reporting
Apr 2025	Geotechnical Investigation	Proposed South Sudan (Naivasha) International Inland Container Depot	Arech Petroleum Limited	Naivasha , Kenya	22 boreholes to various maximum depths between 15m and 30m; logging, laboratory testing and reporting
Apr 2025	Geotechnical Investigation	Proposed Naseeb Heights Amalgamated on Plot LR No. 36/VII/336 & 340	Naseeb Heights Investment Limited	Kenya	3 boreholes to maximum depth of 5m each; logging, laboratory testing and reporting
Apr 2025	Geotechnical Investigation	Proposed Apartments on Plot LR. No. Ngong' /Ngong' /10067	Coperk Consultants Ltd C/O Tarita Properties Limited	Ngong, Kenya	4 boreholes to maximum depths of 20m and 10m; logging, laboratory testing and reporting
Feb 2025	Geotechnical Investigation	Proposed Mount Kenya University and Thika High School Footbridge (MOU) 2024	Mount Kenya University / Thika High School	Kenya	2 boreholes to maximum depth of 10m each; logging, laboratory testing and reporting
Feb 2025	Geotechnical Investigation	Proposed Sultana Residency on L.R./Parcel No. 209/25/11 (Nairobi/Block35/604)	Macaash Investment Limited	Nairobi, Kenya	2 boreholes to maximum depth of 20m each; logging, laboratory testing and reporting

GEOTECHNICAL INVESTIGATION PROJECTS

Feb 2025	Geotechnical Investigation	Proposed Alupe University Students' Accommodation, Busia Town	State Department of Housing and Urban Development (Alupe University) / Multiscope Consulting Engineers Ltd / Venus Engineering and Construction Ltd	Busia County, Kenya	1 borehole to maximum depth of 15m and 3 trial pits to maximum depth of 3m or rock head; logging, laboratory testing and reporting
Jan 2025	Geotechnical Investigation	Proposed Gamil Heights	Amal Nurani	Kenya	2 boreholes to maximum depth of 25m each; logging, laboratory testing and reporting
Jan 2025	Geotechnical Investigation	Proposed Mental Health Centre, AIC Kijabe Hospital, Marira	AIC Kijabe Hospital	Kenya	2 boreholes to maximum depth of 15m each and 3 trial pits to maximum depth of 3m or rock head; logging, laboratory testing and reporting
Dec 2024	Geotechnical Investigation	Proposed Development on Plot No. Nairobi Block 17/757	Highpoint Developers Limited	Nairobi, Kenya	5 boreholes to maximum depth of 20m each; logging, laboratory testing and reporting
Nov 2024	Geotechnical Investigation	Proposed Rize Apartments on Block 35/672, 2 Basements, 17 Floors	Alif Homes Limited	Kenya	2 boreholes to maximum depth of 15m each; logging, laboratory testing and reporting
Oct 2024	Geotechnical Investigation	Proposed Construction of Kuresoi Level 4 Hospital	County Government of Nakuru, Department of Health Services	Kuresoi North Sub County, Nakuru County, Kenya	3 trial pits to maximum depth of 3m or rock head; logging, laboratory testing and reporting
Jun 2024	Geotechnical Investigation	Proposed Development in Tatu City on LR. No. 1AB-08	Next Group	Kiambu County, Kenya	5 boreholes to maximum depth of 20m each; logging, laboratory testing and reporting
Jun 2024	Geotechnical Investigation	Proposed Development of 16 Storey on Plot LR. No. Nairobi Block 19/618	Waafi Investment Limited	Nairobi, Kenya	2 boreholes to maximum depth of 15m each; logging, laboratory testing and reporting
May 2024	Geotechnical Investigation	Proposed Development of Moi University School of Business and Economics, Library Phase II, Annex Campus, Eldoret – RFP No. MU/RFP/06/2023-2024	Multiscope Consulting Engineers	Eldoret, Kenya	5 boreholes to maximum depths of 15m and 10m; 3 trial pits to maximum depth of 3m or rock head; logging, laboratory testing and reporting

STRUCTURAL AUDITS PROJECTS

Date	Service Category	Project / Assignment	Client / Engaging Firm	Location	Investigation / Testing Scope
Oct 2024	Structural Audit	Proposed Development of a Residential Apartment on Plot LR. No. 11407/2104 & 11407/2105	Rinethel Limited	Nairobi County, Kenya	Non-Destructive Testing: Electromagnetic Scanning and Schmidt Hammer Testing
Oct 2024	Structural Audit	Parkside Towers, Mombasa Road	Airtel Kenya	Nairobi County, Kenya	Non-Destructive Testing: Schmidt Hammer Testing
Oct 2024	Structural Audit	Proposed Development in Kiambu County, south of Ruiru Township, Plot LR No. 13631/16	Niccollo Limited	Kiambu County, Kenya	Non-Destructive Testing: Schmidt Hammer Testing
Oct 2024	Structural Audit	Design, Build, Assemble, Install, Commission, Training and Maintenance of Enabling Works of a GMP-Certified 'Fill and Finish' Turnkey Sterile	Ellys Engineering Works C/O Kenya Biovax Institute	Kenya	Non-Destructive Testing: Electromagnetic Scanning, Schmidt Hammer Testing and Ultrasonic Pulse Velocity Testing
Aug 20...	Structural Audit	UNICEF Main Building, South Sudan Country Office	UNICEF South Sudan	South Sudan	Non-Destructive Testing: Electromagnetic Scanning, Schmidt Hammer Testing, Ultrasonic Pulse Velocity Testing and Dynamic Cone Penetration Testing
Jun 2024	Structural Audit	Holy Cross Kindergarten and Pre-School, Lavington	FOS Engineering C/O Holy Cross Catholic Church	Nairobi County, Kenya	Non-Destructive Testing: Electromagnetic Scanning, Schmidt Hammer Testing, Ultrasonic Pulse Velocity Testing and Dynamic Cone Penetration Testing
Mar 2024	Structural Audit	Proposed Vertical Extension in Diani	Purity Kirsch and Gert Kirsch	Kwale County, Kenya	Non-Destructive Testing: Electromagnetic Scanning, Schmidt Hammer Testing, Ultrasonic Pulse Velocity Testing and Dynamic Cone Penetration Testing
Feb 2024	Structural Audit	Proposed Fabrication and Installation Works to Prevent Rainwater Ingress in Terminals 1A, 1B, 1C, 1E & The State Pavilion at Jomo Kenyatta International Airport	China Jiangxi International Economic & Technical Cooperation Company Ltd	Nairobi, Kenya	Non-Destructive & Destructive Testing: Electromagnetic Scanning, Schmidt Hammer Testing, Ultrasonic Pulse Velocity Testing and Core Cutting

STRUCTURAL AUDITS PROJECTS

Jan 2024	Structural Audit	Proposed Alterations and Renovations to Approved Drawings on Plot No. Donyo Sabuk/Komarock BLK 1/64180, Joska	Oscar Bizindavyi & Beatrice Nirangira C/O Cartex Energy Ltd	Machakos County, Kenya	Non-Destructive Testing: Electromagnetic Scanning, Schmidt Hammer Testing and Ultrasonic Pulse Velocity Testing
Nov 2023	Geotechnical & Structural Audit	Ridor Plaza	Crystal Kenya	Kajiado County, Kenya	Non-Destructive Testing: Electromagnetic Scanning, Schmidt Hammer Testing, Ultrasonic Pulse Velocity Testing and Foundation Exposure
Oct 2023	Geotechnical & Structural Audit	Proposed Umoja Church on Plot LR No. 1128	Gethsemane Ministry	Nairobi County, Kenya	Non-Destructive Testing: Electromagnetic Scanning, Schmidt Hammer Testing, Ultrasonic Pulse Velocity Testing and Foundation Exposure
Sep 2022	Structural Audit	Proposed Warehouse Construction in Industrial Area	Priyguru Ltd / Mr. Suresh	Nairobi County, Kenya	Non-Destructive Testing: Schmidt Hammer Testing on selected columns, beams and slabs
Jul 2022	Structural Audit	Proposed Construction of Kiambu & Ruaka Water Sewerage Works in Kereita Forest	China Henan International Cooperation Group Ltd	Kiambu County, Kenya	Destructive Testing: Core Cutting on channels and compressive strength testing
Jul 2022	Structural Audit	Technical Audit of Manholes at Galleria Gardens Estate	Civil One Consulting Engineers Ltd / Eng. R. Kinoti, C.Eng	Karen, Nairobi County, Kenya	Non-Destructive Testing: Electromagnetic Scanning; chemical testing of water samples
Jul 2022	Structural Audit	Proposed Regularization for Classrooms, Dining Hall, Staffroom & Quarters at Damacrest School	Damacrest School C/O Eng. Kioko, P.E.	Kiambu County, Kenya	Non-Destructive Testing: Schmidt Hammer Testing on selected columns, beams and slabs
May 2022	Structural Audit	Central Bank of Kenya Police Housing Project, Industrial Area	Sobocon Associates Limited / Eng. Jorim Oduor, P.E.	Nairobi County, Kenya	Non-Destructive & Destructive Testing: Electromagnetic Scanning, Ultrasonic Pulse Velocity Testing and Core Cutting
Apr 2022	Structural Audit	Proposed Construction of CBK Police Housing at Industrial Area – Tender No. CBK/47/2020-2021	Sobocon Associates Limited / Eng. Jorim Oduor, P.E.	Nairobi County, Kenya	Ultrasonic Pulse Velocity Testing on selected slabs with core cutting
Apr 2022	Structural Audit	Proposed Office Refurbishment at Henkel Kenya Limited	EngPoint Associates Ltd / Eng. Kioko, P.E.	Nairobi County, Kenya	Non-Destructive & Destructive Testing: Electromagnetic Scanning, Ultrasonic Pulse Velocity Testing and Core Cutting
Apr 2022	Structural Audit	Proposed Residential Building in Thome	Zogaam Consulting Engineers Ltd	Kiambu County, Kenya	Non-Destructive & Destructive Testing: Electromagnetic Scanning and Core Cutting

EQUIPMENT & TECHNICAL RESOURCES

GY-150Y

Multi-purpose engineering drill rig for geophysical prospecting, soil investigation, core drilling, and small-diameter piling. Capable of drilling up to 220 m at any angle, supplied with a BW-160 horizontal, three-cylinder mud pump.

XY-1B

High-speed, light vertical-shaft drill rig ideal for geo-exploration in civil, railway, bridge, and hydropower projects. Optimized for small-caliber diamond drilling with high rotation speed.

LS-200

Lightweight, portable rig for remote or hard-to-access sites (mountains, valleys, islands). Drills up to 200 ft in hard or soft formations, supplied with a 5.5 HP mud pump and complete accessories..

Other Tools & Equipment

- Fully equipped material testing laboratory
- Serviced drilling consumables (Barrels, bits, reamers, extension tubes, water swivels, hoist plugs, bearings, belts, gears, seals among other items)
- Concrete core drill
- Electromagnetic reinforcement scanners
- SPT hammer and cone
- Augers and rods
- Mud pumps
- Schmidt hammers
- Ultrasonic Pulse Velocity equipment
- U100 samplers
- Packer/Lugion Test Equipment
- D.C.P testing Equipment
- SAS 400 Terrameter among others
- Grouting equipment
- Trucks and support vehicles
- Spare engines



ASSORTED SITE IMAGES



CORPORATE SOCIAL RESPONSIBILITY (CSR)

At Noitech Engineering Ltd (NEL), we believe sustainable engineering begins with strong, thriving communities. Our Corporate Social Responsibility efforts are centered on education and community development, helping build a skilled, informed, and resilient society.

Our Commitment

We focus our CSR resources on:

Expanding access to quality education for young people.

Supporting local communities where we operate through skills training, infrastructure improvement, and social programs.

Education Initiatives

- **STEM Mentorship:** Inspiring students to pursue engineering, construction, and technology careers.
- **Internships & Training:** Providing practical industry experience for university and college students.
- **Learning Support:** Supporting schools with educational materials, laboratory resources, and scholarships.

Community Development

- **Infrastructure Support:** Supporting improvements to classrooms, water access, and community facilities.
- **Skills Development:** Providing basic technical, construction, and safety training to local youth.
- **Health & Welfare:** Supporting sanitation, safety, and community well-being initiatives.



OUR CLIENTS

The firm has successfully delivered assignments for:



TESTIMONIALS.

TSAVO

Noitech Engineering Ltd delivered precise geotechnical investigations that helped us make confident design decisions. Their professionalism and attention to detail ensured our project stayed on schedule and within budget.



"We value Noitech's reliability in construction materials testing. Their accurate reports and commitment to safety have been instrumental in maintaining the quality and compliance of our projects."



"Working with Noitech Engineering Ltd has been seamless. Their technical expertise, timely reporting, and practical recommendations make them a trusted partner in our engineering projects."



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