

COMPANY PROFILE



YOUR ENGINEERING SOLUTIONS

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1. INTRODUCTION

The Firm

Apex Projects Ltd offices are located at the Agricultural Society of Kenya (ASK) Showgrounds in Jamhuri off Ngong Road. The Firm is incorporated in Kenya under the Companies Act and specializes in Engineering Design Consultancy, Project Management in Design, Turnkey Contracting, Construction Supervision, Equipment Supply and other related civil engineering quality services.

Apex Projects Ltd was born out of an association with **Mass Labs Ltd**, a leading material testing laboratory.

Apex Projects Ltd has been involved in various diverse Projects throughout the Republic of Kenya directly or through one of the associate's companies or worthy joint ventures.

Apex Projects Ltd provides high quality Engineering Consultancy and Project Management Services to the Infrastructure industry through a dedicated team of qualified and experienced personnel. We have invested in modern infrastructural processes to provide efficiency and value addition engineering to our clients.

2. BUSINESS LINES

The firm's full spectrum of Project Management Services includes on the following subsets:

2.1. Engineering Consultancy and Project Management

In Project Management, we help clients assemble a timely, efficient navigation tool for execution of projects from their conceptualization and initiation to closeout and hand over. We offer a quality control, cost cutting and timely project guide throughout the project lifecycle to deliver a satisfactory product for our clients. Apex Projects Ltd provides unique **Engineering Consultancy and Design** solutions in various spheres of Engineering through an integrated approach to the specifications of individual projects, best practices, cost effectiveness and clients' needs.

2.2. Turnkey Contractors and Construction Supervision

The Firm assists clients in its capacity as the design engineer, construction manager and prime contractor to deliver tailor made infrastructural projects. We offer these services based on the feasibility studies and clients' needs assessment to guarantee staying ahead of their competition. Some of the project lines we undertake include: Roads and Civil designs, Sewer and water works, Materials control, Contract administration, As Built documentation, Structural and Civil Contractors.

2.3. Data Centre and ICT Infrastructure

Apex Projects undertakes project management and technical solutions in data centre design services, installation and commissioning. We also offer managed services, support, and maintenance to the systems once in place. As part of our turnkey projects, we offer network contracting and laying of fibre optic cable.

2.4. Quality Control in Engineering Materials

We are fully equipped to test construction materials for all infrastructural projects including roads, water and structural works. Our non-destructive testing division undertakes tests covering: Petroleum storage vessels and piping systems, Mixing and fermenting vessels, Tank condition inspections, Process and pressure vessels, Hydro dam gate panels and turbine blades, Structural integrity assessment of buildings, bridges and other civil structures, Structural steel tests for communication towers, Corrosion check and general metallurgy, Industrial products, components, and assemblies.

2.5. Equipment Supply

We service laboratory equipment and supply the same to companies and major road, water and structural projects both on and offsite. As Equipment Specialists, we provide to all our clients high quality, efficient, cost prudent engineering equipment with associative holistic services of training, maintenance, and repair to ensure a longer shelf life.

3. PROJECTS

Apex Projects Ltd, singly and jointly, has successfully handled the following notable and selected projects among others, in the various categories and stages stated hereunder: -

3.1. Engineering Consultancy and Project Management

- Consultancy Services for the Establishment of Bus Rapid Transit Line 5 Project
- Consultancy Services for the Design and Construction Supervision of the Socio-Economic Infrastructure to the Local Communities in Turkana and West Pokot Counties
- Consultancy Services for Feasibility Study, Preliminary Engineering Design and Environmental and Social Impact Study of Meru Town Roads
- Design Review and Construction Supervision of the Nairobi Expressway Project
- Technical Audit of Hargeisa Bypass Road Project in Somaliland
- Technical Audit of Multinational Uganda – Kenya: Kapchorwa – Suam – Kitale and Eldoret Town Bypass Roads Project
- Design and Construction Supervision of the Upgrading of Nguluni Centre Road to Bitumen Standards with funding from the World Bank under the Kenya Urban Support Programme (KUSP)

- Design and Construction Supervision of the Upgrading of Wambaa-Wamakima Road to Bituminous Standards with funding from the World Bank under the Kenya Urban Support Programme (KUSP)
- Local Contractors' Capacity Assessment Services For the: Proposed Construction of Urban Roads in Kismayo and Baidoa under the SUIPP AF (Somali Urban Investment & Planning Project Additional Financing) with funding from the World Bank under the Somali Multi-Partner Fund (MPF)
- Consultancy Services For the: Feasibility Studies, Preliminary and Detailed Engineering Designs for Urban Roads in Kismayo and Baidoa under the SUIPP AF (Somali Urban Investment & Planning Project Additional Financing) with funding from the World Bank under the Somali Multi-Partner Fund (MPF)
- Design Review and Preparation of Safeguards Documentation for Isiolo Mandera Road, Section (III) Kenya: Preliminary and Detailed Engineering Design Modagashe - Samatar Road
- Design Review and Preparation of Safeguards Documentation for Isiolo Mandera Road, Section (III) Kenya: Preliminary and Detailed Engineering Design Samatar – Wajir Road
- Technical Audit for Sirari Corridor Accessibility and Road Safety Improvement Project (SCARSIP): Isebania – Kisii - Ahero, Kenya
- Preliminary and Detailed Engineering Kitale – Kapsasbet Town Roads
- Preliminary and Detailed Engineering Design Northern Bypass Road, Mombasa, Kenya-
- Preliminary and Detailed Engineering Voi Town Roads Town Roads
- Preliminary and Detailed Engineering Design Garissa – Isiolo Road: 235 Km Bitumen sealed highway on the LAPSET Corridor
- Preliminary and Detailed Engineering Design Eldoret Bypass Road
- Preliminary and Detailed Engineering Design Kajiado – Isage Road
- Preliminary and Detailed Engineering Outer Ring Road
- Preliminary and Detailed Engineering Design Ngong Road
- Preliminary and Detailed Engineering Design Ol Joro Orok – Dundori (C83) Road
- Preliminary and Detailed Engineering Design of KCC (Sotik) - Ndanai - Gorgor (C15) Road
- Design and Construction Supervision of Nairobi-Thika (A2) Road Project
- Detailed design and tender documentation for tourist roads in Aberdare national park and Mt. Kenya national park – Kenya funded by EC EDF under FWC beneficiaries Lot 2 Transport & Infrastructures
- Feasibility Study and Preliminary Design of Miiri-Itundu Road Project (D452/E604/ E603/E599/E600) (Ksh 2 billion) Kenya
- Geotechnical Consultancy Services for the Construction of factories in Ruiru for Unilever
- Geotechnical Consultancy Services for the Construction of Proposed School for the Turkish Embassy

- Geotechnical Consultancy Services for the Proposed Lamu - Lokichogio Pipeline Feasibility Study (LAPPSET)

3.2. Turnkey Contractors and Construction Supervision

Apex has been involved in road works, structural works, fibre optic cabling sewer and water works in the following projects:

- Service provider for Servicing, Maintenance and Support of Data Center Servers, Storage, IP Telephony, Wide Area Network (WAN) and Internet Connectivity at Kenya Rural Roads Authority (KeRRA).

3.3. Data Centre and ICT Infrastructure

In partnership with Xtranet Communications Ltd and other global technology companies, we have been involved in the following projects:

- Service provider for Servicing, Maintenance and Support of Data Center Servers, Storage, IP Telephony, Wide Area Network (WAN) and Internet Connectivity at Kenya Rural Roads Authority (KeRRA).
- Supply, Installation and Maintenance of Local area Network (LAN) at KeRRA Head Office and 19 No. Regional Offices and Primary Data Centre Upgrade.
- Supply and Installation of Information Systems - Lot II: Data Centre at National Transport and Safety Authority (NTSA).
- Supply, Installation, Internet Commissioning of Data Centre with Power Backup and Fire Suppression at Agriculture, Fisheries and Food Authority (AFA).

3.4. Quality Control in Engineering Materials

3.2.1. Geotechnical Investigation Surveys and Testing

PROJECT	SCOPE OF WORK	CLIENT	PERIOD
Proposed Heartland Gardens-Mbaazi Road, Plot LR. 330/155 Nairobi	<ul style="list-style-type: none"> ☐ Boreholes ☐ Lab testing ☐ Geotechnical Investigations ☐ Geotechnical Report 	Metricon Home Nairobi Co. Limited	2022
Consultancy Services for the Design and Construction Supervision of the Socio-Economic Infrastructure to the Local Communities in Turkana and West Pokot Counties	<ul style="list-style-type: none"> ☐ Trial pitting and In situ Tests ☐ Lab testing ☐ Geotechnical Report 	Egis Kenya Ltd	2022

Geotechnical Investigation For Mercy Health Services For The Proposed of Mercy Health Services Project In Ruiru, Kiambu County	Trial pitting and In situ Tests ☐ Lab testing ☐ Geotechnical Report	Mercy Health Services	2022
Geotechnical Investigation For Yuanshi Group Limited For The Proposed Project On Plot Lr. No. 1/437, Kilimani, Nairobi COUNTY	Boreholes ☐ Lab testing ☐ Geotechnical Investigations ☐ Geotechnical Report	Yuanshi Group Limited	2022
Proposed Geotechnical Investigations on the Proposed Eight Storey One- & Two-Bedroom Apartments Development on Title No. Dagoretti/ Kinoo/ 6404, Kiambu County	☐ Boreholes ☐ Lab testing ☐ Geotechnical Investigations ☐ Geotechnical Report	Jiwama Architects	2022
Proposed Tawakal Shopping Centre, Plot LR. LR NO. 36/II/11 Eastleigh, Nairobi County	☐ Boreholes ☐ Lab testing ☐ Geotechnical Investigations Geotechnical Report	Tawakal Development	2022
Proposed Upgrading of Perimeter Wall at the	☐ Trial pitting and In situ Tests ☐ Lab testing	Qs. Dr. Phillip Muchungu of	2021

LOCHAB US Embassy Site	☐ Geotechnical Report	Aegis Development Solutions Ltd.	
Proposed Trinity Holdings Building	☐ Boreholes ☐ Lab testing ☐ Geotechnical Investigations ☐ Geotechnical Report	Malkia Real Estate Development Limited	2021
Proposed Construction of the Apartment Complex Development in Machakos County	☐ Trial pitting and In situ Tests ☐ Lab testing ☐ Geotechnical Report	Mr. Kuldip Kachwaana	2021
Proposed Construction of the Nalani Homes Project in Ruaka Kiambu County	☐ Trial pitting and In situ Tests ☐ Lab testing ☐ Geotechnical Report	Allen Street Investments Limited	2021
Proposed Construction of the 3 Level Storage Structure	☐ Trial pitting and In situ Tests ☐ Lab testing ☐ Geotechnical Report	SAJ Ceramics Enterprises Limited	2021
Proposed Residential	☐ Trial pitting and In situ Tests	Multiple Holdings	2021

Apartment Buildings at Muguga/Kanyariri Plot No. 1253	<input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Report	Limited	
Proposed GreenField Development At Konza City, Makeni County	<input type="checkbox"/> Boreholes <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Investigations <input type="checkbox"/> Geotechnical Report	ITEC Engineering Limited	2021
Proposed Residential Development Along Othaya Road in Lavington, Nairobi County	<input type="checkbox"/> Boreholes <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Investigations <input type="checkbox"/> Geotechnical Report	New Court Company Limited	2021
Coffee Center Development On Plot LR.No Muthembi/Gatua/64 In Chuka, Tharaka Nithi County	<input type="checkbox"/> Trial pitting and In situ Tests <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Report	TharakaNithi County Coffee Mill Co-operative Union Limited	2021
Proposed construction of the Petrol Station at Karen End	<input type="checkbox"/> Trial pitting and In situ Tests <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Report	RainStorm Limited	2021
Proposed Addition & Extension Of Existing Building On Plot No. Othaya/ Kihungiru/ 2934 Othaya Town	<input type="checkbox"/> Trial pitting and In situ Tests <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Report	Wananchi Sacco	2021

Proposed Petrol Station on Plot LR. No. Ngong/Ngong/36281	<input type="checkbox"/> Trial pitting and In situ Tests <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Report	Mr. John Ndirangu Nganga	2021
Proposed Construction And Completion Of Nyamira County Referral Hospital Covid-19 Isolation Complex	<input type="checkbox"/> Trial pitting and In situ Tests <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Report	Burhani Engineers Limited	2021
Gatene and Mutino Irrigation Schemes, Embu County	<input type="checkbox"/> Trial pitting and In situ Tests <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Report	Farmline Consultants Limited	2021
Kandeki and Miuka Irrigation Schemes, Kirinyaga County	<input type="checkbox"/> Trial pitting and In situ Tests <input type="checkbox"/> Lab testing <input type="checkbox"/> Geotechnical Report	Gedo Associates Limited	2021
St. Mary's School Cemetery Extension,	<input type="checkbox"/> Trial pitting and In situ Tests <input type="checkbox"/> Lab testing	Eastern Rift Sawmills Limited	2021

Nairobi County	☐ Geotechnical Report		
Proposed HeartLand Homes Development	☐ Boreholes Drilling ☐ Laboratory Testing ☐ Geotechnical Report	HeartLand Homes Limited	2021
Foundation Design for Proposed Apartments at Riruta	☐ Trial pitting and In situ Tests ☐ Lab testing ☐ Geotechnical Report	Qs. Phillip Muchungu	2021
Proposed Trufoods factory, in Juja, Kiambu County.	☐ Boreholes Drilling ☐ Laboratory Testing ☐ Geotechnical Report	Trufoods Limited	2020
Proposed Residential Apartments for Mr. Nathan Njoroge on Plot LR. Kiambaa/Ruaka/3981	☐ Boreholes Drilling ☐ Laboratory Testing ☐ Geotechnical Report	Frame Consultants Limited	2020
Proposed Estate development in Athi River, Machakos County.	☐ Boreholes ☐ Lab testing ☐ Geotechnical Report	Defin Valley Limited	2020
Proposed Plant development in Mazeras, Kilifi County.	☐ Trial pitting and Insitu Tests ☐ Lab testing ☐ Geotechnical Report	Roofings Kenya Limited	2020
Proposed Heartland Gardens-Kindaruma Road, Nairobi.	☐ Boreholes ☐ Lab testing ☐ Geotechnical Report	Heartland Kenya Limited	2019
Proposed Residential Building on Plot LR. No.	☐ Boreholes ☐ Lab testing	Savpan Ltd	2019

Kiambaa Ruaka 3878-Ruaka Kiambu	☐ Geotechnical Report		
Geotechnical Survey for Plot No.LR 209/3205 Mazera Road Kileleshwa	☐ Boreholes ☐ Lab testing ☐ Geotechnical Report	M/S West Kenya Union Conference SDA Church	2019
Proposed Studio Apartments Development on Plot LR. No. Kiambaa Ruaka 5422-Ruaka Kiambu	☐ Boreholes ☐ Lab testing ☐ Geotechnical Report	Infratech Projects Ltd	2019
Development of 1255-Palm Ridge Kilifi County	☐ Boreholes and Trial Pits ☐ Lab testing ☐ Geotechnical Report	Vipingo Development Limited	2018
D.O.D Hurlingham Site	☐ Boreholes ☐ Lab testing	Sahson Construction	2018

	<ul style="list-style-type: none"> □ Geotechnical Report 	Company Ltd	
Proposed Warehouse-Nairobi, Mombasa & Kisumu	<ul style="list-style-type: none"> □ Geotechnical Investigations □ Lab testing □ Geotechnical Report 	Total Kenya Limited & KENT Africa Limited.	2018
Proposed Office Building Development on James Gichuru Road	<ul style="list-style-type: none"> □ Boreholes □ Lab testing □ Geotechnical Report 	Whitefield Place Limited	2017
Proposed Streetscape and subsurface utilities at Konza Techno City	<ul style="list-style-type: none"> □ Boreholes □ Lab testing □ Geotechnical Investigations □ Geotechnical Report 	Dar-al-handasah shair and partners & Runji and Partners	2016
Proposed Development at Old Ngara Estate	<ul style="list-style-type: none"> □ Boreholes □ Lab testing □ Geotechnical Report 	Rwathia Distributors Ltd & Kiewa Ltd	2017
Proposed Extension of Coca Cola Factory at Embakasi, Nairobi	<ul style="list-style-type: none"> □ Geotechnical drilling □ Laboratory testing □ Geotechnical Report 	Coca Cola Kenya	2015
Sparr Drilling Co. Ltd Sites	<ul style="list-style-type: none"> □ Lab testing □ Geotechnical Investigations □ Geotechnical Report 	Sparr Drilling Co. Ltd	2015/ 2016/ 2017
Proposed Substations: Nyamira, Kutus, Molo, Kabiye, Mikinduri, Kiamutugu, Rabai, Endebes, Kapsowar, Moiben, Ortum, Sirisia, Isinya, Suswa, Kiambere,	<ul style="list-style-type: none"> □ Geophysical Survey □ Geotechnical Investigations □ Lab testing □ Geotechnical Report 	KPLC, Langfield S & Nanjing steel Tower Manufacturing System Limited Co. Ltd	2015 onwards

Bamburi, Lanet, Kiganjo, Meru, Voi etc			
Proposed Sub-Stations: Sotik in Bomet County	Full range of tests	KETRACO, China CAMC Engineering Co.Ltd	2014
Proposed Construction of factories in Ruiru	Full range of tests	Arcs Africa	2014
Proposed Construction of factories in Ruiru and Tatu City	Full range of tests	Arcs Africa	2014
Proposed School	Full range of tests	TURKISH EMBASSY	2014
Geotechnical investigation for multi-story buildings	<ul style="list-style-type: none"> □ Boreholes □ Lab testing 	Kenya Bankers Association	2006-2014

	<ul style="list-style-type: none"> ▣ Geotechnical Investigations ▣ Geotechnical Report 	<ul style="list-style-type: none"> ▣ Upper hill Office Complex ▣ Farmers Choice-Lavington ▣ Karen Hotel ▣ Parklands Office Suites ▣ Jamii Milling - Eldoret 	
Proposed Lamu – Lokichgio Pipeline Feasibility Study (LAPPSET)	<ul style="list-style-type: none"> ▣ 16 No. Boreholes ▣ Lab testing ▣ Geotechnical Report 	Toyota Tshusho Corporation	2012

3.2.2. Dams

PROJECT	SCOPE OF WORK	CLIENT	PERIOD
Oloptito Elmasharian Check Dam Narok County	<ul style="list-style-type: none"> ▣ Assorted tests on Soil, Aggregates, Concrete and other materials 	Vanqo Roads and Engineering Limited	2021
Karimenu II Dam	<ul style="list-style-type: none"> ▣ Assorted tests on Soil, Aggregates, Concrete and other materials 	Quality Inspectors Limited	2021
Siyoi (Muruny) Dam Kapenguria Water Supply Project	<ul style="list-style-type: none"> ▣ Geophysical Survey ▣ Plate Load Bearing ▣ Full range of soil and water quality testing 	Jiangxi China International K (Ltd)	2016

	<ul style="list-style-type: none"> ▣ Geotechnical report 		
Itare Dam in Molo, Nakuru	<ul style="list-style-type: none"> ▣ Assorted tests on Soil, Aggregates, Concrete and other materials 	CMC Di Ravenna-Kenya Branch	2016
Gura Small Hydro Power Project	<ul style="list-style-type: none"> ▣ Boreholes ▣ Full range of roads and dam tests 	VS HYDRO (PVT) LTD	2015
Construction of Kiserian Dam	Concrete design mixes, Soil testing and aggregates	LEE Construction Ltd	2010
Rehabilitation of Sasumua Dam	Concrete design mixes, Soil testing and aggregates	SINOHYDRO Corporation Ltd	2009
Construction of	Full range of roads and dam tests	FRABO LTD	2010

Chemasusu Dam	Full Lab on site including Technicians		
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3.2.3. Road Projects Investigations

PROJECT	SCOPE OF WORK	CLIENT	PERIOD
Consultancy Services for the Establishment of Bus Rapid Transit Line 5 Project	<ul style="list-style-type: none"> ▣ 21 No. Boreholes Drilling ▣ Laboratory Testing ▣ Geotechnical Report ▣ Trial pitting and Insitu Tests ▣ Full range of road tests ▣ Material Report ▣ Pavement Design Report 	CAS Consulting Engineers	Ongoing
Consultancy Services for the Design and Construction Supervision of the Socio-Economic Infrastructure to the Local Communities in Turkana and West Pokot Counties	<ul style="list-style-type: none"> ▣ Trial pitting and Insitu Tests ▣ Full range of facilities tests ▣ Material Report 	EGIS Kenya Ltd	Ongoing
Meru Town Roads	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Material Report ▣ Pavement Design Report 	ITEC Engineering	2021
Tilisi Development	<ul style="list-style-type: none"> ▣ Bitumen Mix Design 	Kashyap Enterprises Limited	2021
Marua-Nanyuki-Lewa Road A2 Detailed Design	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Material Report 	GIBB International	2020
Marua-Nanyuki-Lewa Road A2 Preliminary Design	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Material Report 	GIBB International	2019
Muthaiga-Kiambu-Ndumberi Road	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Material Report 	Span Engineering Consultants	2019
Ngong Road Phase 2 Dualling	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Material Report 	Katahira Engineers & International	2019
Upgrading of Kibwezi Mutomo-Kitui (A9/B64) Road Project	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Material Report 	Sinohydro Corporation Ltd	2019
Kisingo-Miangeni Ngomano Kiangini Road	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Material Report 	Miangeni Hardware & Contractors	2019
Kapsabet and Kitale Town Roads	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Materials Report 	ITEC Consultants	2018
Kiambu County Roads	<ul style="list-style-type: none"> ▣ Full range of road tests ▣ Materials Report 	County Government of Kiambu	2016-ongoing
Garissa-Isiolo Road	Full range of road tests Materials Report	KIRI Consult & SMEC International Pty Limited	2015/2016

Nairobi Metropolitan Roads	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	Ministry of Nairobi Metropolitan Development	2014-2017
Mombasa Southern Bypass Road	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Geophysical tests ▢ Materials Report 	Katahira Engineers & International	2014/2015
Annuity Roads (Luanda, Elkwanda, Mago, Mululu, Mbale etc	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	IITEC Consultants	2015
Maseno- Kombewa-Kalandini (D245/E1259) Roads	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	IITEC Consultants	2014
Mombasa Southern Bypass	<ul style="list-style-type: none"> ▢ Full range of road tests 	Katahira Engineers & International	2013
Kajiado – Isarage Rd	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	APEC Consultants	2013
Eldoret Bypass Road	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	APEC Consultants	2013
Outer Ring Road	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	APEC Consultants	2012
Ngong Road	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	APEC Consultants	2012
Tiomin Mining Roads	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	MAXCAD Consultants	2011
Ol Joro Orok - Dundori	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	IITEC Consultants	2010
KWS Tourist Roads	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	M.C. Triton Bulgaria Ltd	2010
Thika Road	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	APEC Consultants	2009
Miiri-Itundu Road (D452/E604/E603/E599/E600)	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	APEC Consultants	2008
Webuye – Malaba Road	<ul style="list-style-type: none"> ▢ Full range of road tests ▢ Materials Report 	RUNJI & PARTNERS	2005
Giaki-Marimanti – Chiakariga (E789/E801/R24/28) Roads	<ul style="list-style-type: none"> ▢ Full range of road tests 	UNICONSULT	2005
Kisii/Kakamega KUTIP Projects	<ul style="list-style-type: none"> ▢ Full range of road tests 	GATH Consulting Engineers	2005
Kisumu KUTIP Projects	<ul style="list-style-type: none"> ▢ Full range of road tests 	UNICONSULT	2005
Machakos KUTIP Projects	<ul style="list-style-type: none"> ▢ Full range of road tests 	UNICONSULT	2005
Maimahiu-Naivasha-Lanet Road	<ul style="list-style-type: none"> ▢ Material testing, Proving Quarry materials 	Bamburi Cement Ltd	2004

AFD Roads 2000 Project Full range of road tests in Nyandarua, Murang'a and Maragwa	▣ Full range of road tests	Charchi Githinji/ Prome JV	2004
El – Nino Projects	▣ Full range of road tests	BCEOM/ Cape Consult	2004
Kisumu – Kakamega – Webuye – Kitale Rds	▣ Full range of road tests	Otieno Odongo Partners	2004
Sagana - Makutano	▣ Full range of road tests	H/Z Dillingham	2004
Mathare 4A Rehabilitaion	▣ Full range of road tests	Keyplan Engineers	2004

3.2.4. Structural Integrity Investigations

PROJECT	SCOPE OF WORK	CLIENT	PERIOD
Structural Integrity Investigation Report for The Existing Structures at Ujiri Court, in Kigali Rwanda	Structural Integrity & Presentation of final report. (Ferro Scan Testing, Schmidt Hammer Tests, Ultrasonic Pulse Velocity Tests)	El Arca Consulting Engineers	2022
Structural Integrity Investigation Report for The Existing Structures at Marie Stopes Kenya Facility Along Kindaruma Road, Nairobi County	Structural Integrity & Presentation of final report. (Ferro Scan Testing, Schmidt Hammer Tests, Ultrasonic Pulse Velocity Tests)	Marie Stopes Kenya	2022
Structural Integrity Investigations For The Factory at Mombasa Maize Millers Limited Off Nanyuki Road in Industrial Area, Nairobi County.	Structural Integrity & Presentation of final report. (Ferro Scan Testing, Schmidt Hammer Tests, Ultrasonic Pulse Velocity Tests)	Span Consulting Engineers	2022
Structural Integrity Investigations For Unga Farm Care Ltd Factory on Dakar Road in Industrial Area, Nairobi County.	Structural Integrity & Presentation of final report. (Ferro Scan Testing, Schmidt Hammer Tests, Ultrasonic Pulse Velocity Tests)	Span Consulting Engineers	2022
Existing Godown Structures at The Danco Plastics Factory in Ruiru Town Center, Kiambu County.	Structural Integrity & Presentation of final report. (Ferro Scan Testing, Schmidt Hammer Tests, Ultrasonic Pulse Velocity Tests)	Dodhia Sawmills Limited	2021
Proposed NDT Works on the Parking area of The Prosperity House Building, Westlands, Nairobi County	Structural Integrity & Presentation of final report. (Ferro Scan Testing, Schmidt Hammer Tests, Ultrasonic Pulse Velocity Tests)	Zep-Re (Pta Reinsurance Company)	2021

Existing Boundary wall structure at Mavoko, Machakos County.	Structural Integrity & Presentation of final report. (Ferro Scan Testing, Schmidt Hammer Tests, Ultrasonic Pulse Velocity Tests)	Polyflex Industries Limited	2021
Existing Structure at Kibuye Market, Kisumu County.	Structural Integrity & Presentation of final report. (Ferro Scan Testing, Schmidt Hammer Tests)	Wagana Energy Limited	2021
Existing structure in Ongata Rongai along Magadi Road	Structural Integrity & Presentation of final report.	Xenocon Consulting Engineers	2021
Residential Building on Marcus Garvey Argwings Kodhek Road	Structural Integrity & Presentation of final report.	Apex Systems Consulting Group Ltd.	2021
Existing Structure at Muthangari Suites	Structural Integrity & Presentation of final report.	Dr. Fadh Al Guthmy	2021

Construction of Marsabit County Stadium - Main Pavilion Work	Structural Integrity & Presentation of final report.	Aridlands Construction Company Ltd	2020
94- Mimosa Grove in Runda Estate, Nairobi	Structural Integrity & Presentation of final report.	Safety Surveyors Limited	2020
Taidys Hostels in Nakuru	Structural Integrity & Presentation of final report.	Avatech Consult Limited	2020
Green Lake Plaza, Kisumu CBD	Structural Integrity & Presentation of final report.	E.P.O. Engineers Ltd	2020
The East African Breweries Limited Premises, Ruaraka	Site investigation, laboratory testing, structural integrity & presentation of final report.	EABL	2019
Victory SDA Church Kisumu	Site investigation, laboratory testing, concrete testing and structural integrity & presentation of final report.	Mokaya Ombengi Consulting Engineers	2019
Fanisi Heights Plot No.Kiambaa/Kihara/7406	Site investigation, laboratory testing, concrete testing and structural integrity & presentation of final report.	Sprinter Real Estate Investment Ltd	2019
Bridge International School-Kiembeni Site Mombasa, Shanzu Site	Site investigation, laboratory testing, concrete testing and structural integrity & presentation of final report.	Elmuab Global Engineering Consultants Ltd	2019
Vihiga Cluster Water Supply –Kaimosi Llant	Structural integrity & presentation of final report.	Lake Victoria North Service Board	2019
Proposed Zeimar City	Structural integrity & presentation	Elmuab Global	2019

Market (Ghala 1, R&K Building, Yellow House)	of final report.	Engineering Consultants	
Gems Cambridge International School	Site investigation, laboratory testing, structural integrity & presentation of final materials and geotechnical report.	Multiscope Consulting Engineers Ltd	2018
KRA Data Centre	Site investigation, laboratory testing, concrete testing and structural integrity & presentation of final report.	Kenya Authority Revenue (KRA)	2018
Iberafrika Power Station	Concrete design and other material tests during construction	Iberafrika Power Station	2018
Kenya Oil Corporation Service Station.	Concrete and aggregates testing.	IMCO	2018
B.A.T Kenya Green Leaves Treatment Godown at Thika	Concrete Testing and Foundation material testing	B.A.T Kenya Ltd	2017
New Ministry Centre	Material testing	China Jiangsu International	2017
SDA Central Church Seminar Hall	Coring and checking material on failed constructed building, Testing below foundation level Checking foundation construction. Testing of concrete cores, aggregate, sand, timber for roofing, cubes	SDA Church	2017
Non-Motorized Traffic Design	CBR Particles sizes analysis Atterberg Limits	Uniconsult Kenya	2016
Roller compacted concrete	Design work, Trial mixes & Supervision	Bamburi Cement/QMEC	2016
Village Market, Kihingo Market, Waiyaki Way Development, United Nation	Concrete and aggregates testing	Laxmanbhai Construction Ltd	2015
P.D. Shah Commercial Development	Site investigation and Material Testing	Wadia construction Ltd	2015
Southern shield headquarters' Windsor Brookes	Design mixes, concrete and aggregates testing	Twiga Construction Ltd	2015
Proposed KPLC Upgrades Scada/Ems new control	Site investigation and material testing	Plano consult	2014
Kenya Pipeline Pumping Station- Konza, Manyani, Samburu and Kipevu in	Geotechnical Survey and material testing	China Petroleum Pipeline material testing	2014

Mombasa		Engineering Corporation	
Safaricom Towers	Concrete testing for various sites.	Tulsi Construction Ltd	2014
	Soil tests Viz: Particle size analysis, compaction, Atterberg limits, and CBR	Eng Plan	
	Concrete testing for various Safaricom sites	Pamigo Ltd	
CelTel Towers	Concrete testing for various sites	Pamigo Ltd	2013
Telkom Towers	Site investigation, laboratory testing, concrete testing and structural integrity for various Telkom tower Sites.	Distributed Communication Systems Ltd	2012
	Site investigation, Laboratory testing, concrete testing and	Huawei Technologies	2012
	structural integrity for various Telkom tower sites.		
GSM Network/Econet towers	Site investigation, laboratory testing, concrete testing and structural integrity for various Telkom tower Sites.	Aster global	2012
Cement Factory in Tanga	Nuclear Quality control of compacted embankments	Tanga Cement	2011
Sondu-Miriu dam Project	Radiographic, ultrasonic and Penetrant testing of dam gates and penstock pipes	Heavy Engineering Ltd	2011
East Africa Oxygen	Radiographic inspection of refabricated ammonia line butt joints		2010
Kanyadhiang' Water Supply	Radiography testing	Lake Victoria North Water Services Board	2010
New Packing Plant (2014)	Radiography Testing	East African Portland Cement	2014

3.5. Equipment Supply

4. KEY PERSONNEL

Apex Projects Ltd boasts of the following Key Professional staff, who, among other support staff, are the driving force behind the firm: -

Table 1: Technical / Managerial staff

Name	Profession	Position	Academic/ Professional Qualification
Eng. Tom Waiharo	Civil Engineer	Managing Director	<ul style="list-style-type: none"> □ MBA. Heriot Watt University (Project Management) □ BSc. (Civil) - University of Nairobi □ Consulting Engineer – Engineers Board of Kenya □ Member - Institution of Engineers of Kenya □ Member - American Society of Testing and Materials
Eng. Benjamin Muchungi	Civil Engineer	Projects Manager	<ul style="list-style-type: none"> □ BSc. (Civil) University of Nairobi □ Professional Engineer – Engineers Board of Kenya □ Member - Institution of Engineers of Kenya
David Gichuki	Surveyor	Associate Surveyor	<ul style="list-style-type: none"> □ Master of Science (GIS), University of Nairobi □ Master of Arts (Planning), University of Nairobi □ BSc. (Surveying & Photogrammetry), University of Nairobi □ Surveyor -Kenya Land Surveyors Board □ Physical Planner- Physical Planners Registration Board □ Member – Institution of Surveyors of Kenya (ISK) □ Member-Kenya Institute of Planners
Benson Njeru	Surveyor	Associate GIS Expert	<ul style="list-style-type: none"> □ M.Sc. Geographical Information Sciences (GIS), University of Nairobi □ BSc. (Surveying & Photogrammetry), University of Nairobi □ Surveyor -Kenya Land Surveyors Board □ Member – Institution of Surveyors of Kenya (ISK)
Arch. Patrick Mugo Karugo	Architect	Associate Architect	<ul style="list-style-type: none"> □ MSc. Environmental Planning & Management. KU □ B. Arch - University of Nairobi □ Architect - Board of Registration for Architects and Quantity Surveyors (BORAQS) □ Member - Architectural Association of Kenya (AAK) Architects and Town Planners Chapters □ Member-National Environment Management Authority (NEMA) □ Member-Chartered Institute of Arbitrators
			<ul style="list-style-type: none"> □ Member-Institute of Quantity Surveyors of Kenya (IQSK) □ Member - Architectural Association of Kenya
David Adede	Geologist	Associate Engineering Geologist	<ul style="list-style-type: none"> □ Bsc (Geology) - University of Nairobi □ Msc (Geology) - University of Nairobi □ Member - • Geological Society of Kenya □ Member-National Environment Management Authority (NEMA)
Alex Ngamau	Civil	Project Engineer	<ul style="list-style-type: none"> □ Bsc (Civil) Jomo Kenyatta University of Agriculture

PMP®	Engineer		<ul style="list-style-type: none"> and Technology (JKUAT) ▢ Graduate Engineer – Engineers Board of Kenya ▢ Graduate Member - Institution of Engineers of Kenya ▢ Member – Project Management Institute
Joseph Macharia	Civil Engineer	Assistant Engineer	<ul style="list-style-type: none"> ▢ Bsc (Civil) University of Nairobi ▢ Graduate Engineer – Engineers Board of Kenya
Mr. James Mwangi Gichuhi	Surveyor	Surveyor	<ul style="list-style-type: none"> ▢ Diploma in Civil Engineering (ICS London)
Mr. David Kariuki Gichinga	Foreman	Foreman	<ul style="list-style-type: none"> ▢ Technician Trainee - University of Nairobi ▢ Diploma in Civil Engineering – Mombasa Polytechnic
Mr. Laban Mwangi	Systems Engineer	Rf Installations & Equipment commissioning	<ul style="list-style-type: none"> ▢ Bsc Computer Science - University of Nairobi ▢ Cisco workshop ▢ Cisco certified Network Associate ▢ Microsoft Certified systems Engineer

5. EQUIPMENT & RESOURCES

- ▢ GY-150 Engineering Drilling Rig (Manufactured 2013)
- ▢ Hydraulic Universal Testing Machine
- ▢ Core Cutter
- ▢ SPT Assembly
- ▢ Shear Test Apparatus
- ▢ Schmidt Hammer 4 No.
- ▢ Ferro Scan Meter 3 No.
- ▢ ASTM Vicat Apparatus
- ▢ Slump Test Set
- ▢ 2 No GPS receivers and accessories
- ▢ 3 No Total Stations (GTS 312 and GTS 211D) and their accessories
- ▢ 2 No spirit levels and accessories
- ▢ 2 No theodolites and accessories
- ▢ 3 No. Dumping Level
- ▢ Soil Core Cutter
- ▢ P4 Toshiba 4 No.
- ▢ Laptops 4 No.
- ▢ 1 No. HP Laser
- ▢ Printer 1 No. HP AO
- ▢ Plotter 3 No. Desk
- ▢ Jet printers 2 No.
- ▢ Drawing Boards 1
- ▢ No. Fax Machine
- ▢ 1 No. Still Photo
- ▢ Cameras 2 No. Digital

6. PARTNERS

Apex Projects Ltd and its staff have been involved in the following projects together with SMEC International / APEC Consortium/ ITEC/CAS Consultants/ UNOPS/ Mass Labs/ Yashinoya Engineering Limited.