



## **ISLAND SURVEY AND ENGINEERING CONTRACTORS LIMITED**

**Survey and Construction Specialists**

Phone: +254776841040, +254750406776, +254112303877 | Location: Msa Rd, Mombasa | Email: [islandengcon@gmail.com](mailto:islandengcon@gmail.com)



## GENERAL INFORMATION

BUSINESS NAME:	<b>Island Survey &amp; Engineering Contractors Ltd</b>
OFFICE ADDRESS:	<b>P O Box 100-80208 KILIFI</b>
LOCATION OF BUSINESS PREMISES:	<b>Mombasa, Kenya.</b>
TELEPHONE:	<b>(+254) 0776841040 / 0750406776 / 0112303877</b>
E-MAIL:	<b>islandengcon@gmail.com</b>
NATURE OF BUSINESS:	<b>Survey and Engineering Contractors</b>
PLACE OF INCORPORATION/REGISTRATION:	<b>Mariakani</b>
NAME OF BANKERS:	<b>Stanbic Bank, NCBA.</b>

## INTRODUCTION

Island Survey and Engineering Contractors is a Company offering a variety of Surveying and Construction Services including:

- **Surveying :**Engineering Survey, Land Survey, Hydrographic Survey, Topographic Survey, Topographic Map Design, As-built Survey, GIS Consultancy.
- **Construction:** Drainage Construction, Road and Pavement Construction, Cabro Installation Earthworks Quantity Computations.

## OUR MISSION

To be leaders in providing value-added Surveying and Construction services to our customers by creating a successful partnership with them throughout the working process.

## OUR PLEDGE

To establish trust and lasting relationships with our customers by exceeding their expectations and gaining their trust through exceptional performance by every member of our team.

## **CERTIFICATION**



No. PVT-6LUKL73M

## CERTIFICATE OF INCORPORATION

I hereby **CERTIFY** that:

### ISLAND SURVEY AND ENGINEERING CONTRACTORS LIMITED

is on this date 13 Apr 2021 Incorporated under the Companies Act, 2015 and that the Company is  
**a PRIVATE LIMITED COMPANY.**



A handwritten signature in blue ink over a horizontal dotted line.

Registrar Of Companies

This is a system generated certificate. To validate this document send the word BRS to 21546

COMPANY PROFILE



KENYA REVENUE  
AUTHORITY

[www.kra.go.ke](http://www.kra.go.ke)

Tax Compliance Certificate

For General Tax Questions  
Contact KRA Call Centre  
Tel: +254 (020) 4999 999  
Cell: +254(0711)099 999  
Email: callcentre@kra.go.ke

Taxpayer PIN : P052008802T

Certificate Date: 13/04/2021

Name and Address :

Island Survey And Engineering Contractors Limited  
NA, TRITECH BUILDING, NA, Kaloleni District,  
PO Box:100,  
Postal Code:80208

Certificate Number:  
KRAMON1219300621



This is to confirm that Island Survey And Engineering  
Contractors Limited,  
Personal Identification Number P052008802T  
has filed relevant tax returns and  
paid taxes due as provided by Law.

This Certificate will be valid for  
twelve (12) months up to 12/04/2022.

**Caveat:** This certificate is issued on the basis of information available with the authority as at the certificate date mentioned above. The Authority reserves the right to withdraw the certificate if new evidence materially alters the tax compliance status of the recipient.

**Disclaimer :** This certificate is system Generated and therefore does not require signature. You may confirm validity of this certificate on the iTax Portal by using the TOC Checker. This certificate confirms your compliance status for a period of five years preceding the date of issue. The certificate may however be withdrawn on grounds of outstanding debt affecting periods prior to this.

## COMPANY PROFILE



www.kra.go.ke

### PIN Certificate

For General Tax Questions  
Contact KRA Call Centre  
Tel: +254 (020) 4999 999  
Cell: +254(0711)099 999  
Email: callcentre@kra.go.ke

**Certificate Date :** 16/06/2021

**Personal Identification Number**

P052008802T

This is to certify that taxpayer shown herein has been registered with Revenue Authority

#### Taxpayer Information

<b>Taxpayer Name</b>	ISLAND SURVEY AND ENGINEERING CONTRACTORS LIMITED
<b>Email Address</b>	tritechsurvey2021@gmail.com

#### Registered Address

<b>L.R. Number :</b> NA	<b>Building :</b> TRITECH BUILDING
<b>Street/Road :</b> MOMBASA NAIROBI HIGH WAY	<b>City/Town :</b> NA
<b>County :</b> Kilifi	<b>District :</b> Kaloleni District
<b>Tax Area :</b> Mazeras	<b>Station :</b> Mombasa North
<b>P. O. Box :</b> 100	<b>Postal Code :</b> 80208

#### Tax Obligation(s) Registration Details

Sr. No.	Tax Obligation(s)	Effective From Date	Effective Till Date	Status
1	Income Tax - Company	13/04/2021	N.A.	Active
2	Value Added Tax (VAT)	16/06/2021	N.A.	Active

The above PIN must appear on all your tax invoices and correspondences with Revenue Authority. Your accounting end month is December unless a change has been approved by the Commissioner-Domestic Taxes Department. The status of Tax Obligation(s) with 'Dormant' status will automatically change to 'Active' on date mentioned in "Effective Till Date" or any transaction done during the period. This certificate shall remain in force till further updated.

**Disclaimer :** This is a system generated certificate and does not require signature.

**The Institution of Engineers of Kenya**

**Certificate of Membership**

This is to certify that **Damson Kipkemboi Waikwango**  
has been elected **Corporate Member No. 4656**  
of the Institution of Engineers of Kenya  
on the **25<sup>th</sup> May 2017**  
given under our hands and the common seal  
of the said Institution on the **8<sup>th</sup> June 2017**

  
Secretary

  
President



COMPANY PROFILE



The Institution of Surveyors of Kenya.

*This is to certify that*

*Ruben Muchinta Kariuki*

was on the ..... 31<sup>st</sup> day of January 2012

Elected a GRADUATE Member of

THE  
INSTITUTION OF SURVEYORS  
OF KENYA

*Chapter of Land Surveyors*

CHAIR, PROFESSIONAL  
PRACTICE & ETHICS COMMITTEE

CHAIRMAN

## **CRUCIAL PERSONNEL QUALIFICATIONS**

## ENGINEER SAMSON KINYUA WAICUNGO – SENIOR CONSTRUCTION ENGINEER

### **KEY DATA**

#### **Eleven (11) years' experience in:**

1. Construction management as Construction manager and Site Agent.
2. Supervision of Infrastructure projects as Resident Engineer.
3. Highway design as a Professional Engineer.
4. Quantity and Costs estimation and control in infrastructure projects as a Quantity Engineer.
5. Strategic infrastructure plans and feasibility studies for infrastructure projects as a Professional Engineer.
6. Use of AutoCAD, Civil3D, Primavera, MS projects, MS office, MS PowerPoint, Autodesk Infraworks and 3dsmax softwares.

#### **QUALIFICATIONS:**

- Bachelor of Technology in Civil and Structural Engineering, Honors; 2004 - 2009, Moi University
- O Level (Kenya Certificate of Secondary Education); 2000 - 2003, Nairobi School

#### **PROFESSIONAL MEMBERSHIPS**

- Corporate Member: (Institution of Engineers of Kenya) – M4656
- Professional Engineer: (Engineers Board of Kenya) – A3269

#### **EMPLOYMENT HISTORY**

##### **June 2021 – To date**

Professional Engineer - CGP Consulting Engineers, **email:** cgp@charchiconsultingeng.com

##### **May 2019 – May 2021**

Construction Manager - Fujita Corporation, **Address:** P.O.BOX 42071 – 80100.

Project budget **USD 240M.**

##### **April 2020 – Dec 2020**

Acting Project Manager - Fujita Corporation

Project budget **USD 240M.**

##### **November 2018 – April 2019**

Resident Engineer - Laikipia County Government, Natconsult Consulting Engineers, **email:**

natconsultkenya@gmail.com.

**June 2017 – September 2018**

**Site Agent - H-Young EA Ltd, email:** hyoung@hyoung.co.ke

**Project budget USD 40M**

**May 2015— May 2017**

**Quantity Engineer (Supervision) - Katahira & Engineers International Ltd (Japan Co.) in association with**

**Norken International Limited, email:** info@norken.co.ke

**Project budget USD 110M**

**Aug 2013 – May 2015**

**Quantity Engineer (Design) - Katahira & Engineers International Ltd (Japan Co.) in association with Norken**

**International Limited, email:** info@norken.co.ke

**Project budget USD 400M**

**Aug 2013 - Dec 2014 (Part time)**

**Highway Engineer - VejTECH Consult Engineers, email:** info@vejtech.co.ke

**Apr 2011 - July 2013**

**Asst. Civil Engineer - CGP Consulting Engineers email:** cgp@charchiconsultingeng.com

**Jan 2010 – Mar 2011**

**Graduate Engineer — Solel Boneh International Construction Company (SBI) / RCC Nigeria Ltd,**

**Address:** P.O.BOX 25027 - 00603

**June 2009 – Dec 2009**

**Graduate Engineer — Isiolo Mwangaza Construction Co. Address:** P.O.BOX 677 - 60300

**SELECTED PROJECTS**

**June 2021 – To date**

**Professional Engineer — CGP Consulting Engineers**

Preliminary, Detailed Engineering Design, Environmental Studies & Impact Assessment and RAP of Eldoret

**Eastern Bypass.** 40km length

**Roles:**

1. Overall coordination and management of the counterpart teams who include;
  - a. Survey
  - b. Drainage and Bridge Design
  - c. Traffic Engineering
  - d. Soils and Materials Investigation and testing
  - e. Pavement Design
  - f. Environmental and Social Impacts Assessment (ESIA) and Resettlement Action Plan (RAP)
2. Studies and design evaluation of the existing / proposed alignment, to determine the most suitable and economic design.
3. Highway Design
  - a. Roads design
  - b. Junction / Intersection design
  - c. Highways Standards and Details
  - d. Plans and Drawings
  - e. Drainage Standards and Details
  - f. Bridge
  - g. Field Office and Quarters for the Engineers
  - h. Utility Maps
4. Quantity calculation and Bill of Quantities
  - a. Quantity calculations of all work items
  - b. Bill of Quantities for bidding purposes
5. Unit Price Analysis and Engineers' Cost Estimation/Government Estimate
  - a. Detailed unit price analysis for all work items
  - b. Special provisions for items of work or methods of construction not covered by the specifications for Roads and Bridges.
  - c. Government estimate as basis for the Approved Budget for the Contract (ABC)

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## COMPANY PROFILE

### 6. Prequalification, Bidding and Contract Documents

- a. Instruction to Bidders
- b. Form of Contract
- c. General Conditions of Contract
- d. Special Provisions of Contract
- e. Technical Specifications of Contract
- f. Construction Plans/Drawings
- g. Bill of Quantities

### 7. Study & Proposal of Construction Execution and Schedule

- a. Study of construction schedule
- b. Study of the use of materials and equipment
- c. Study of construction method

**May 2019 — May 2021**

**Construction Manager — Fujita Corporation.**

Construction of Mombasa Port Area Road Development Project (MPARD) — **Mombasa Southern**

**Bypass** Road Phase 2 (Mwache Jnct. – Tsunza – Mteza). Project budget **USD 240M.**

**Brief Project scope:**

- **660m** Mwache Bridge over ocean on 1.5m dia. driven **steel pipe piles**
- **690m** Tsunza Viaduct on tidal area on 0.6m dia. driven **steel pipe piles**
- **1,440m** Mteza Bridge over ocean on 1.5m dia. driven **steel pipe piles** (Longest bridge in Kenya)
- **6 Km** Dual carriage highway with GCS subbase, DBM bases and AC wearing course
- 1 U-turn Box Interchange
- Reinforced Concrete **bored piles** (**1.2m** dia. on-shore)
- Drainage Works, Pipes and Box culverts
- Road furniture including street lighting

**Roles:**

- Planning the work and overseeing the purchasing of necessary materials and equipment.
- Defining and updating the detailed construction plan and schedule including establishing priorities.

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## COMPANY PROFILE

- Hiring and managing staff for the project.
- Managing the construction site on a day-to-day basis, including supervising the labour force, managing subcontractors, checking materials, inspecting work and overseeing quality control, environment, health and safety.
- Ensuring the project is delivered on time and on budget by setting benchmarks, agreeing budgets and monitoring progress.
- Checking, reviewing, interpreting documents including designs, submittals, method statements and other requirements arising out of the contract specifications with subcontractors, surveyors and engineers.
- Approval, review and implementation of the;
  - Project Quality Assurance Quality Control Plan and procedures.
  - Project Environment, Health and Safety Plan
- Maintaining regular communication and attending meetings with clients and their representatives to inform them of progress on the project, i.e. stakeholder management.
- Writing reports.
- Communication with internal project teams, any consultants, subcontractors, supervisors, quantity surveyors and others involved in the project.
- Identifying problem areas, proposing corrective actions and dealing with any unexpected problems that may occur during the project.
- Managing measurements, IPCs, Materials on site, tax exemption, variations and claims.
- Regularly informing all changes rising from site works against shop drawings and updating same in "RED LINE " Drawings and handing over drawings to Engineering Department for As Built drawings.
- Ensuring that appropriate and sufficient training in regard to Method Statement, Project Management Procedures, Project Quality Plan, Inspection and Testing Plans, etc is provided to all employees including sub-contractor's staff.
- Obtaining and renew of all applicable approvals, permits, required for construction from various government agencies. Coordination of all such certification and requirements through the Engineer.
- Managing and administering project controls, cost and performance procedures.
- Ensuring successful project closeout to secure guarantees, warranties provisions for final project deliveries.
- Management of Utility providers, Project affected Persons and Community.

**April 2020 — December 2020**

**Acting Project Manager — Fujita Corporation.**

Construction of Mombasa Port Area Road Development Project (MPARD) — **Mombasa Southern**

**Bypass** Road Phase 2 (Mwache Jnct. – Tsunza – Mteza). Project budget **USD 240M.**

**Roles:**

Assisting the PM in:

- Developing full-scale project plans and associated communications and documents.
- Liaison and communication of project expectations to team members and project stakeholders
- Estimation and allocation of the resources and participants needed to achieve project goal and fulfil the contract requirements
- Approval, review and implementation of the Project Quality Assurance Quality Control Plan and procedures.
- Project Environment, Health and **Safety** Plan Contractor's Management System
- Identifying of authorities for approval of documents
- Representing Fujita/MC to the Government, KeNHA, project management, subcontractors, suppliers and any other authorities related to the Project.
- Entering into, modifying, amending, and executing subcontracts and other agreements with respect to the Project in accordance with agreed procedures and policies.
- Obtaining and renewal of all applicable approvals, permits, required for construction from various government agencies. Coordination of all such certification and requirements through the Engineer.
- Ensuring that appropriate and sufficient training in regard to Method Statement, Project Management Procedures, Project Quality Plan, Inspection and Testing Plans, etc is provided to all employees including sub-contractor's staff.
- Overseeing the Final Turnover of documentation
- Heading, guiding, managing and control of execution of the project to ensure fastest and most cost-effective manner as well as to the highest possible satisfaction of all parties involved.
- Ensuring the application of established procedures and maintain cooperation and communication between the various departments/sections.
- Taking all appropriate measures for the prevention or remedy of any delay or defect or breach of any contractual obligation.
- Ensuring the general co-ordination of the works to follow the progress of the studies, investigations and construction activities.
- Ensuring timely submission of and follow up and negotiate all payment certificates, Variation orders, tax exemption and claims.
- Management of Community, local leadership and implementation of HIV awareness and Prevention, Road safety campaign and CSR activities.

**Nov 2018 – April 2019**

**Resident Engineer; Laikipia County Government**

Design and Supervision for Rehabilitation of Lenana Road in Nanyuki Town

**Roles:**

**Roads design**

- a. Geometric design based on Geometric design manuals, production of drawings, cross sections and setting out data
- b. Materials Investigation and pavement design
  - i. Identification and testing of construction material sites
  - ii. Assessment of existing pavement condition and design of rehabilitated road pavement
- c. Traffic and axle load survey and analysis
- d. Topographic survey and mapping, data evaluation and utilization in design
- e. Surface storm water design, production of drawings and reports
- f. Quantification (BOQ) and pricing (Engineer's Cost Estimate)

**Road Supervision**

- a. Inspection and approval of Contractor's Facilities, Plant and Equipment
- b. Management of Consultant's Project Personnel
- c. Relocation of Services
- d. Liaison with Client and Private Authorities
- e. Supervision of Works
  - i. Field surveys and controls.
  - ii. Construction Monitoring and control.
  - iii. Quality assurance and control.
  - iv. Material sampling and testing.
  - v. Variations and additional works.
  - vi. Safety and traffic management procedures and controls.
  - vii. Measurements of work done.
  - viii. Environmental preservations.
  - ix. Financial control.

- x. Contractual claims and disputes.
- xi. Progress Monitoring and reporting.
- xii. Site meetings.
- xiii. Substantial completion inspection.
- xiv. Training of Counterpart Personnel.
- xv. Evaluation of Contractor's performance on site.

**June 2017 – September 2018**

**Site Agent – H-Young EA Ltd**

Construction to bitumen standards of Ngong road – Kibera – Langata Road link (M12), 4 Km dual carriageway in

Nairobi. Project budget **USD 40M**

**Roles:**

- Work planning, construction Monitoring and control.
- Compliance to Contract, Specifications, Drawings, Environmental & Safety plans.
- Quality assurance and control.
- Progress, Cost monitoring and control Variations, change orders and claims preparation.
- Environmental, safety and traffic management
- Preparation of Interim Payment Certificates (IPCs).
- Site meetings and writing reports to Client.
- Substantial completion inspection and completion of snag list.
- Preparation of Correspondences and site reports
- Relocation of public services
- Stakeholders' management which includes Government Administration, Consultants, Sub-contractors and Public Check, review, interpret documents including designs, submittals, method statements and other requirements arising out of the contract specifications with sub-contractors, surveyors and engineers
- Risk assessment and mitigation
- Negotiation of contracts, securing permits and licenses
- Implementing Corporate Social Responsibility programs
- Training of Graduate Engineers

**May 2015 — May 2017**

**Quantity Engineer - Katahira & Engineers International Ltd (Japan Co.) in association with Norken**

**International Limited:**

Construction Supervision of Mombasa Port Area Road Development Project (MPARD) — Mombasa

Southern Bypass Road and Kipevu New Container Terminal Link Road. Project budget **USD 110M**

**Brief Project scope:**

- **660m** Mwache Bridge over ocean on 1.5m dia. driven **steel pipe piles**
- **690m** Tsunza Viaduct on tidal area on 0.6m dia. driven **steel pipe piles**
- **1,440m** Mteza Bridge over ocean on 1.5m dia. driven **steel pipe piles** (Longest bridge in Kenya)
- **27 Km** Dual carriage highway with GCS subbase, DBM bases and AC wearing course
- 4 interchanges and 5 U-turn Box Interchange
- 1 weigh bridge station with way in motion system
- 1 km Road shelter
- Reinforced Concrete **bored piles** (**1.2m** dia. on-shore)
- Drainage Works, Pipes and Box culverts
- Road furniture including street lighting

**Roles:**

**Design Review Stage**

- Assessment of omissions, design reviews, approved field change requests and variation orders
- Quantity calculation and Bill of Quantities
- Unit Price Analysis and Cost Estimation

**Construction Stage**

- Measurement of works, certification of contractors' interim payment certificates and preparation of final project accounts.
- Keeping records on a day-to-day basis of all activities, materials and costs being expended on the project.
- Reconciliation of materials and works executed during the month.
- Monitoring of project work program and cash flow projections. Ensuring project is within plan and budget.
- Reviewing of quantities and revising as necessary when works are in progress. Preparation of final completion quantities and cost reports.
- Preparation of quantities and costs weekly, monthly, quarterly and annual reports.
- Attendance of site meetings and updating Client on progress of works.
- Measurement, valuation, submission and negotiation of contract variations.
- Checking to ensure that the Contractor has on site for the various work items, all plant, machinery and equipment that has been committed in the tender and to ensure that all that plant, machinery or equipment remain on site until their release from site is duly authorized.
- Conducting substantial completion inspection and preparing the list of outstanding works.
- Attendance during the completion of outstanding works and rectification by the Contractor of any damage to the works for which he (Contractor) is fully responsible.
- Coordination of all activities of the Consultant's personnel under me on site and reporting to the Project Director.

**June 2017 – September 2018**

**Quantity Engineer - Katahira & Engineers International Ltd (Japan Co.) in association with Norken International Limited:**

Preliminary, Detailed Engineering Design, Environmental Studies & Impact Assessment of Mombasa Port Area Road Development Project (MPARD) — Mombasa Southern Bypass Road and Kipevu New Container Terminal Link Road. Project budget **USD 400M**

**Roles:**

1. Quantity calculation and Bill of Quantities
  - a. Quantity calculations of all work items
  - b. Bill of Quantities for bidding purposes
2. Unit Price Analysis and Engineers' Cost Estimation/Government Estimate
  - a. Detailed unit price analysis for all work items
  - b. Special provisions for items of work or methods of construction not covered by the specifications for Roads and Bridges.
  - c. Government estimate as basis for the Approved Budget for the Contract (ABC)
3. Prequalification, Bidding and Contract Documents
  - a. Instruction to Bidders
  - b. Form of Contract
  - c. General Conditions of Contract
  - d. Special Provisions of Contract
  - e. Technical Specifications of Contract
  - f. Construction Plans/Drawings
  - g. Bill of Quantities

**Aug 2013 — Dec 2014 (Part time)**

**Highway Engineer - VejTECH Consult Engineers:**

Preliminary, Detailed Engineering Design, Feasibility, Environmental Studies & Impact Assessment of:

1. Kangundo — Mwala Road (C98) - 20 Km (KeNHA)
2. Oloolotikoshi Township Roads - 5 Km (KeRRA)

**Roles:**

- Highway Design
- Production of plan and profile drawings.
- Calculation of quantities and preparation of BOQ.
- Generation of setting out data at 20m interval and staking out with Client.
- Road furniture design and drawings.
- Writing of reports and PowerPoint presentation to Client.

**Apr 2011 – July 2013**

**Asst. Civil Engineer - CGP Consulting Engineers:**

Preliminary, Detailed Engineering Design, Feasibility, Environmental Studies & Impact Assessment of the following Roads:

1. Narok—Sekenani Road (C12) - 85 Km (KeNHA)
2. Sori—Masara Road (D210) - 35 Km (KeRRA)
3. Eldoret Bypass (with 5 interchanges) and Municipality Roads—55 km (KURA)
4. Pwani University College proposed internal roads, parking lots and sports field— 6km

**Roles:**

- Preparation of expressions of interest, requests for proposal (technical and financial), participation in tendering process and meetings.
- Route selection of the optimum alignments from Aerial maps, Satellite imagery and Topographical Survey Data.
- Checking of survey data, deciding on the design controls and criteria, geometric design of the optimum alignment, design of 5 interchanges (2 trumpet and 3 diamond type), roundabouts, parking lots, non-motorized traffic facilities, production of plan and profile drawings, road furniture design and storm water drainage design.
- Preparation of project Inception, Progress, Preliminary, Draft, Final Reports and Book of Drawings.
- Calculation of earthworks, pavement, road furniture quantities and preparation of Engineers cost estimate.
- Materials and Pavement Design which included; Evaluation of existing pavement, borrow material investigation and sampling, preparation of material sites plan sketches, trial pits logs, coordination of alignment and construction materials testing & analysis of results, earthworks, pavement and shoulders design, documentation of preliminary, factual and final materials report.
- Preparation of Bidding and Contract Documents for the Project Roads.
- Liaison with the client, managing of correspondences and presentation of the Geometric and Materials Report to the Kenya National Highways Authority (KeNHA), Kenya Rural Roads Authority (KeRRA), Kenya Urban Roads Authority (KURA) and Pwani University using PowerPoint.

**Jan 2010 – Mar 2011**

**Graduate Engineer, SBI (Solel Boneh International Construction Co.) / RCC Nigeria Ltd:**

Mt. Kenya Region Rural Infrastructure Programme (Phase 1). Construction of Meru – Marimba – Nkubu Road (44 km) and Imenti – Kionyo – Chogoria Road (39km) under KeRRA.

**Roles:**

- Measurement and quantification of as built structures (earthworks, pavement layers & concrete works), prepared daily and monthly progress reports and updated the progress charts.
- Facilitated in weekly and monthly work planning and prepared financial forecasts.
- Plant and manpower management.
- Geometric design review of designed alignments.
- Writing of claims.
- Attending of site meetings.
- Liaison with the Resident Engineer, managing of correspondences and Writing requests for laboratory testing and survey, following up approvals and keeping a data base for requests and approvals.
- Co-ordination of work between the office and the site.

**June 2009 - Dec 2009**

**Graduate Engineer, Isiolo Mwangaza Co. Ltd:**

- Contract administration and supervision of buildings and road construction (Isiolo-Merille A2 Project) as subcontractor site agent.
- Tendering for contracts, preparation of bill of quantities and Interim payment certificates.

## MR. REUBEN M KARIUKI – SENIOR ENGINEERING SURVEYOR

**DATE OF BIRTH:** 16<sup>th</sup> July 1977

**NATIONALITY:** Kenyan

**LANGUAGES:** English, Kiswahili, Kikuyu

### QUALIFICATIONS

**2002:** University of Nairobi (Bachelor of Science in Surveying and Photogrammetry)

Classification: Second Class Honors upper division (2.1)

### WORK EXPERIENCE

#### August 2020 - Date: SENIOR SURVEYOR AT CAS CONSULTANT.

**PROJECT:** Mau-Mau Road Lot 2 project, Kenya.

**CLIENT:** KENHA

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Creating Road profiles, Road Cross Sections, horizontal and vertical alignment using auto cad civil 3d.
- GPS and total station surveys using the Leica GPS 1200 series, in addition I have knowledge in the use of the GPS downloading and uploading software.
- Computation of quantities for materials from borrow pits.
- computation of stockpiles and their quantities.
- Computation of as-built quantities.
- Co-ordinate all survey sub sections work in the Resident Engineer's office.
- checking levels for the pavement layer as per the x sections.
- Checking Setting out for Box and pipe culverts.
- General supervision of road survey works.
- Preparation of cross sections.
- Use the latest Leica total station for OGL detail picking.
- Downloading of total station data using Leica mining editor software.
- Preparation of appraisal for earthwork quantities.
- Conducting land acquisition and RAP meetings for the PAPS.

#### February 2019 – August 2020: SENIOR SURVEYOR AT RUNJI CONSULTING GROUP.

**PROJECT:** Construction of Isiolo Town Water Supply and Sewerage Infrastructure- Last Mile Connectivity, Kenya.

**CLIENT:** Ministry of Water and Sanitation

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Creating sewer and water profiles, horizontal and vertical alignment using auto cad civil 3d.

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## COMPANY PROFILE

- GPS and total station surveys using the Leica GPS 1200 series, in addition I have knowledge in the use of the GPS downloading and uploading Software.
- Computation of quantities for material excavated.
- Computation of as built quantities.
- Co-ordinate all survey sub section work in the Resident Engineer's office.
- Use the latest Leica total station for OGL detail picking.
- Downloading of total station data using Leica mining editor software.
- Preparation of appraisal for earthwork quantities.
- Conducting land acquisition and RAP meetings for the PAPS.
- Preparation of land acquisition and compensation for project affected persons.

### **AUGUST 2016 – FEBRUARY 2019: SENIOR SURVEYOR CAS CONSULTANT.**

**PROJECT:** Meru By-pass Road Project, Kenya.

**CLIENT:** KURA

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Creating Road profiles, road cross sections, horizontal and vertical alignment using auto cad civil 3d.
- GPS and total station surveys using the Leica GPS 1200 series, in addition I have knowledge in the use of the GPS downloading and uploading Software.
- Computation of quantities for materials from borrow pits.
- computation of stockpiles and their quantities.
- Computation of as built quantities.
- Co-ordinate all survey sub sections work in the Resident Engineer's office.
- checking levels for the pavement layer as per the x-sections.
- Checking Setting out for Box and pipe culverts.
- General supervision of road survey works.
- Preparation of cross sections.
- Use the latest Leica total station for OGL detail picking.
- Downloading of total station data using Leica mining editor software.
- Preparation of appraisal for earthwork quantities.
- Conducting land acquisition and RAP meetings for the PAPS.
- Preparation of land acquisition and compensation for project affected persons.
- Design review of Meru link roads.

### **August 2014 - August 2016 SENIOR SURVEYOR AT CAS CONSULTANT.**

**PROJECT:** Bachuma Gate –Maji ya Chumvi road project, Kenya.

**CLIENT:** KENHA

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Creating Road profiles, road cross sections, horizontal and vertical alignment using auto cad civil 3d.

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## COMPANY PROFILE

- GPS and total station surveys using the Leica GPS 1200 series, in addition I have knowledge in the use of the GPS downloading and uploading Software.
- Computation of quantities for materials from borrow pits.
- computation of stockpiles and their quantities.
- Computation of as built quantities
- Co-ordinate all survey sub sections work in the Resident Engineer's office.
- checking levels for the pavement layer as per the x-sections.
- Checking Setting out for Box and pipe culverts.
- General supervision of road survey works.
- Preparation of cross sections.
- Use the latest Leica total station for OGL detail picking.
- Downloading of total station data using Leica mining editor software.
- Preparation of appraisal for earthwork quantities.

### **August 2010 - August 2014 SENIOR SURVEYOR AT CAS CONSULTANT.**

**PROJECT: Voi –Mwatate Road Project, Kenya.**

**CLIENT: KENHA**

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Creating Road profiles, road cross sections, horizontal and vertical alignment using auto cad civil 3d.
- GPS and total station surveys using the Leica GPS 1200 series, in addition I have knowledge in the use of the GPS downloading and uploading software.
- Computation of quantities for materials from borrow pits.
- computation of stockpiles and their quantities.
- Computation of as built quantities.
- Co-ordinate all survey sub sections work in the Resident Engineer's office.
- checking levels for the pavement layer as per the x sections.
- Checking Setting out for Box and pipe culverts.
- General supervision of road survey works.
- Preparation of cross sections.
- Use the latest Leica total station for OGL detail picking.
- Downloading of total station data using Leica mining editor software.
- Preparation of appraisal for earthwork quantities.

### **January 2010 - August 2010: SENIOR SURVEYOR AT ABDUL MULLIK CONSULTING ENGINEERS.**

**PROJECT: Machakos turn off – Sultan Hamud Road Project, Kenya.**

**CLIENT: KENHA**

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Creating the road alignment, vertical and horizontal profiles and x-sections using auto cad land development and auto cad civil 3d.

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## COMPANY PROFILE

- GPS and total station surveys using the Leica GPS 1200 series, in-addition I have knowledge in the use of the GPS downloading and uploading software.
- Computation of as-built quantities.
- Co-ordinate all survey sub sections work in the Resident Engineer's office.
- Checking levels for the pavement layer as per the Cross-sections.
- Checking Setting out Box and pipe culverts.

### **April 2007 - January 2010: SENIOR SURVEYOR AT MALTAURO SPA CONSTRUCTION COMPANY LTD.**

**PROJECT: Mai Mahiu - Narok Road Project, Kenya**

**CLIENT: KENHA**

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- GPS and total station surveys using the Leica GPS 1200 series, in addition I have knowledge in the use of the GPS downloading and uploading software.
- Computation of quantities for materials from borrow pits.
- Survey of stockpiles and computation of their quantities.
- Survey of deviations.
- Co-ordinate all survey sub sections work in site.
- Computation of levels for the pavement layer as per the x-sections.
- Setting out Box and pipe culverts.

### **May 2006 – April 2007: SURVEYOR / QUANTITY ENGINEER AT H-YOUNG EAST AFRICA COMPANY LIMITED.**

**PROJECT: Mai Mahiu- Naivasha-Lanet Road Project Kenya.**

**CLIENT: KENHA**

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- GPS Surveys.
- Topographical survey for borrow pits.
- Computation of quantities for materials from borrow pits.
- Survey of stockpiles and computation of their quantities.
- Survey of deviations.
- Co-ordinate all survey sub sections work in site.
- Computation of levels for the pavement layer as per the x-sections.
- Setting out Box and pipe culvert.

### **March 2005 – May 2006: SENIOR SURVEYOR AT GEODEV KENYA LIMITED**

**PROJECT: Combined cycle plant for KENGEN LTD at Kipevu, Kenya**

**CLIENT: KENGEN**

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Searching for control point.

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## COMPANY PROFILE

- Monumentation of traverse points.
- Provided horizontal controls using Sokkia GPS.
- Did vertical controls using a precise level.
- Picked x-section using a Sokkia Total Station.
- Plotted the details using eagle point software.

### **May 2004 – February 2005: SENIOR SURVEYOR AT GEODEV KENYA LIMITED**

**PROJECT: GIS and Mapping of water facilities in Kisumu and Rachuonyo Districts for National Water Corporation, Kenya.**

**CLIENT: NATIONAL WATER CORPORATION**

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Collection of data using hand held GPS.
- Data collection by use of questionnaires.
- Entering the database using MS Access software.
- Exporting the data in ARC GIS.
- Analysis of results and querying the database.

### **June 2003 – May 2004: SURVEYOR AT GEODEV KENYA LIMITED**

**PROJECT: Topographical survey of Masii- Tawa Road, Kenya.**

**CLIENT: KENHA**

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Searching for control point.
- Monumentation of traverse points.
- Provided horizontal controls using Sokkia GPS and T2 theodolite with a mounted DI 1000 EDM.
- Did vertical controls using a precise level.
- Picked x-section using a Sokkia Total Station.
- Plotted the details using eagle point software.

### **April 2003 – June 2003: SURVEYOR AT GEODEV KENYA LIMITED**

**PROJECT: Topographical Survey of Makutano-Mwala-Kithimani Road, Kenya.**

**CLIENT: KENHA**

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Searching for control point.
- Monumentation of traverse points.
- Provided horizontal controls using Sokkia GPS and T2 theodolite with a mounted DI 1000 EDM.
- vertical controls using a Precise level.
- Picked x section using a Sokkia Total Station.
- Plotted the details using eagle point software.

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## COMPANY PROFILE

### **December 2002 – June 2003: SURVEYOR AT GEODEV KENYA LIMITED**

**PROJECT:** Topographical survey to design drainage system for Narok, Kisii, Migori and Nakuru county councils, Kenya.

**CLIENT:** LATIF

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Searching for control point.
- Monumentation of traverse points.
- Provided horizontal controls using Sokkia GPS and T2 theodolite with a mounted DI 1000 EDM.
- vertical controls using a precise level.
- Picked x section using a Sokkia Total Station.
- Plotted the details using eagle point software.

### **August 2002 – December 2002: SURVEYOR AT GEODEV KENYA LIMITED**

**PROJECT:** Topographical survey of Katumani-Kikima- Tawa Road, Kenya.

**CLIENT:** KENHA

#### **PROJECT DESCRIPTION & RESPONSIBILITIES:**

- Searching for control point.
- Monumentation of traverse points.
- Provided horizontal controls using Sokkia GPS and T2 theodolite with a mounted DI 1000 EDM.
- vertical controls using a precise level.
- Picked x section using a Sokkia Total Station.
- Plotted the details using eagle point software.

### **PROFESSIONAL MEMBERSHIP**

- Associate member, Institution of surveyors of Kenya.
- March 2004: Course in GPS and GIS for sustainable development in Kenya Institute of Surveying and Mapping.

## MR. NGANGU JOHN GICHURE – GEOSPATIAL ENGINEER

**DATE OF BIRTH:** 16<sup>th</sup> July 1993

**NATIONALITY:** Kenyan

**LANGUAGES:** English, Kiswahili, Kikuyu

### **QUALIFICATIONS**

**2013 - 2018:** The Technical University of Kenya (Bachelor of Engineering in Geospatial Engineering)

Classification: Second Class Honors upper division (2.1)

**2009 - 2012:** Anestar Boys High School, Nakuru

### **WORK EXPERIENCE**

#### **MAY 2020 – APRIL 2021: SENIOR SURVEYOR AT MACHIRI LIMITED.**

**PROJECT:** Mombasa Port Area Road Development Project (Package 2: Construction of Mwache junction–Tsunza – Mteza Section)

**CLIENT: FUJITA CORPORATION**

#### **PROJECT DESCRIPTION:**

- Construction of a 16700m<sup>2</sup> Precast Yard.
- Construction of a 1.2-kilometer Access Road for the Precast Yard.
- Erecting a 1.1km Fence Line.
- Construction of 1336m Gantry Beams within the Precast Yard.
- Excavation works within the Proposed Precast Yard Area.

#### **RESPONSIBILITIES:**

- Setting out of Precast Yard Layout Plan and Gantry Beams.
- Conducting Topographic Survey.
- Creating Topographic Maps.
- Calculation of Earthwork Volume Quantities using Topographical Data.
- Controlling Structural Design Levels.
- Preparation and Compilation of Survey Reports for Inspection.

#### **JANUARY 2020 – APRIL 2020: SENIOR SURVEYOR AT MACHIRI LIMITED.**

**PROJECT:** Rehabilitation of Airside Pavements and Airfield Ground lighting (AGL) System at Moi International Airport. ICB No. KAA/ES/MIA/617/C.

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## COMPANY PROFILE

### **CLIENT: KAA**

#### **PROJECT DESCRIPTION:**

- Construction of 7,000 m<sup>3</sup> Concrete Twin Tank Reservoir.
- Construction of 1 No. 550 m<sup>3</sup> Concrete Tank Reservoir.
- Construction of 2 No. 500 m<sup>3</sup> Concrete Tank Reservoirs.
- Construction of Rainwater Harvesting System.
- Supply and Installation of Chlorine Feeding and Pumping System.
- Construction of Drainage Works.

#### **RESPONSIBILITIES:**

- Setting Out Structural Plans.
- Collecting Topographic Data.
- Designing Topographical Maps
- Controlling levels During Excavation of Tanks and Drainages.
- Establishing Controls for Survey Work.

#### **SURVEYING EQUIPMENT USED:**

- Topcon Total Station.
- Topcon Automatic Level Machine.

#### **SOFTWARE USED:**

- AutoCAD Civil 3D.
- Global Mapper.

### **JUNE 2019 - OCTOBER 2019: SURVEYOR AT APEC CONSORTIUM LIMITED.**

**PROJECT:** Development of 2000km of Roads Supporting Primary Growth Sectors Through Contractor Facilitated Financing Mechanism-Lot 20.

### **CLIENT: KENHA**

#### **PROJECT DESCRIPTION:**

- Initial design stage for 2000km road networks across Nairobi, Kiambu, Kajiado and Narok County.

#### **RESPONSIBILITIES:**

- Conducting Static Survey to Establish Controls.
- Conducting a Network Adjustment of the GNSS obtained data.

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## COMPANY PROFILE

- Conducting a Topographic Survey of various roads including; Limuru Road, Redhill-Gachie Road, Kasarani- Mwiki Road, Kamiti Road, James Gichuru Road, Kajiado Township Roads, and Juja Farm Road.
- Designing of Topographic Maps for the above-named roads.

### **SURVEYING EQUIPMENT USED:**

- Kolida GNSS Receivers.
- Leica Total Station.

### **SOFTWARE USED:**

- AutoCAD Civil 3D.
- KGO Network Adjustment Software.
- Global Mapper.

### **OCTOBER 2018-MAY 2019: INTERNED AS A SURVEYOR AT APEC CONSORTIUM LIMITED.**

**PROJECT:** Construction to Bitumen Standard of Waiyaki Way-Redhill Link Road Contract No. KURA/DEV/HQ004/2015-2016.

**CLIENT: KURA**

### **RESPONSIBILITIES:**

- Confirmation of Road Design Levels.
- Confirmation of Road Design Setting out Data.
- Creating Topographic Maps.
- Establishing KURA Road Boundaries and Physically Fixing Beacons.

### **SURVEYING EQUIPMENT USED:**

- Topcon Automatic Level
- South and Topcon Total Stations

### **MAY 2016 - AUGUST 2016: WORKED AT AZIMATH COMPANY LIMITED AS AN ATTACHÉ IN THE SURVEY DEPARTMENT.**

#### **Responsibilities:**

- Located KPLC meter boxes in Nairobi for mapping purposes.
- Used a modern handheld Trimble GPS to pick coordinates.

### **PROFESSIONAL MEMBERSHIP**

An Active Affiliate Member of Institution of Surveyors of Kenya (ISK).

## MR. ERIC SSANDE KARISA - MARINE SURVEYOR

**DATE OF BIRTH:** 15<sup>TH</sup> May, 1983

**NATIONALITY:** Kenyan

**LANGUAGES:** English, Swahili, Taita and Giriama

### **QUALIFICATION:**

#### **2010 – 2012: KENYA INSTITUTE OF SURVEYING AND MAPPING**

Graduated with a diploma in Land Surveying

#### **2008 – 2009: HI-TEC COMMERCIAL COLLEGE MOMBASA**

Completed CPA Section I and II under the KASNEB examination body.

#### **APRIL – JUNE 2003: GLOBAL EDUCATION PARTNERSHIP**

Completed a certificate course in Entrepreneurship and Employment Training Program (EETP).

#### **1998 – 2002: DR. AGGREY HIGH SCHOOL TAITA**

Attained a mean grade C+ in the Kenya National Examination Council (KNEC) exam.

### **WORK EXPERIENCE**

#### **2013 - 2018: MWANGI LAND SERVICES**

**POSITION:** SURVEYOR

#### **DUTIES AND RESPONSIBILITIES:**

- Undertaking all field works.
- Compilation and presentation of all data collected in the field.
- Attending to clients.
- Representing the director in meetings and appointments in his absence.

### **PROJECTS**

#### **2013: ENGLISH POINT MARINA MOMBASA**

**CLIENT:** SOUTHERN ENGINEERS COMPANY (SECO)

#### **TASK:**

- Setting out positions for piling works.
- Controlling all elevations.
- Coordinating the piling crew and survey team

**2013: ROUTE SURVEYS FOR HIGH AND LOW VOLTAGE POWER LINES**

**CLIENT:** REA & KPLC

**TASK:**

- Route survey and proposal for a high voltage power line.
- Conducting filling of way leave forms by the locals.
- Presentation of final data in form of CAD drawings and longitudinal profiles.

**2014: TOPOGRAPHICAL SURVEY OF SECO YARD**

**CLIENT:** SECO

**TASK:**

- Picking of detail in and around the yard.
- Presentation of final data in CAD drawing.

**2014: TOPOGRAPHICAL SURVEY OF MDACHI IRRIGATION SCHEME**

**TASK:**

- Picking of spot heights and any relevant detail on site e.g., river.
- Marking of centerline for irrigation canals
- Presentation of data in CAD drawing

**2014: TOPOGRAPHICAL SURVEY OF NGUUNI QUARRY**

**CLIENT:** BAMBURI CEMENT

**TASK:**

- Picking and presentation of detail within the quarry.

**2015: TOPOGRAPHICAL SURVEY DONGO KUNDU**

**CLIENT:** KPA

**TASK:**

- Picking and presentation of data for the purpose of port expansion.

**2016: SECO JETTY**

**CLIENT:** SECO

**TASK:**

- Setting out and controlling levels for the construction of the jetty.

**2016: PORT DEVELOPMENT PROJECT**

**CLIENT:** JAPAN PORT CONSULTANTS

**TASK:**

- Setting out of positions offshore for the purpose of geotechnical investigations.

**2017: BARICHO – LANGOBAYA BRIDGE**

**CLIENT:** BAC

**TASK:**

- Topographical survey of approaches for the proposed bridge location on both northern and southern sides.

**2017: MOMBASA SPECIAL ECONOMIC ZONE PROJECT**

**CLIENT:** NIPPON KOEI COMPANY LIMITED

**TASK:**

- Topographical survey for preparatory work for Mombasa Special Economic Zone Development project.

**2017: KISUMU OIL JETTY**

**CLIENT:** KENYA PIPELINE

**TASK:**

- Setting out pile positions for jetty construction.

**2018: NYAMISATI PASSENGER JETTY – TANZANIA**

**CLIENT:** TANZANIA PORT AUTHORITY

**TASK:**

- Setting out pile positions for jetty construction.
- Controlling levels.

## MR. CHARLES MARI GITHINJI – ENGINEERING SURVEYOR

**DATE OF BIRTH:** 28<sup>th</sup> June 1988

**NATIONALITY:** Kenyan

**LANGUAGES:** English, Kiswahili, Italian and Kikuyu

### **QUALIFICATION:**

#### **2002-2005; NAARO HIGH SCHOOL**

Kenya Certificate of Secondary Education (K.C.S.E) Mean Grade B-

#### **2006-2008; KENYA POLYTECHNIC:**

Diploma in Civil Engineering Credit pass.

#### **JAN 2010-NOV 2010; KARATINA INSTITUTE OF TECHNOLOGY**

Certificate in AutoCAD.

### **WORK EXPERIENCE**

#### **JULY 2020 TO FEB 2021; ACTING CHIEF SURVEYOR AT FUJITA CORPORATION/MITSUBISHI CONSORTIUM**

**PROJECT:** THE MOMBASA PORT AREA DEVELOPMENT PROJECT FOR THE CONSTRUCTION OF MWACHE JUNCTION-TSUNZA-MTEZA SECTION (PACKAGE2)

### **DUTIES AND RESPONSIBILITIES**

- Supervision of all Surveyors and Levelers.
- Liaising with District Land Surveyor and NLC Officers in marking of Land boundaries for People Affected by Project (PAPS).
- Representation of Survey Department in technical meetings.
- Preparation and presentation of weekly and monthly reports.
- Conducting periodic Survey trainings for Surveyors, Levelers and Chainmen on safe working practices and handling of Surveying Equipment's'
- Implementation of Survey work methodology to conform to the company practices.
- Reporting to the Project Manager.
- Updating the Survey Department Program periodically in the Overall Project Master Program and adjust accordingly to any changes proposed during construction works.

#### **AUG 2019 TO JUNE 2020: SENIOR SURVEYOR AT FUJITA CORPORATION/MITSUBISHI CONSORTIUM**

**PROJECT:** THE MOMBASA PORT AREA DEVELOPMENT PROJECT (MPARD) FOR THE CONSTRUCTION OF MWACHE JUNCTION-TSUNZA-MTEZA SECTION (PACKAGE2)

### **DUTIES AND RESPONSIBILITIES**

- Preparation of daily and weekly reports

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## COMPANY PROFILE

- Supervision of Surveyors and Levelers.
- Preparation of actual surveyed data in CAD
- Record keeping for all survey Machines and Assemblies and monitoring calibration dates.
- Joint Cadastral Survey works with NLC Surveyors for land acquisition purposes to allow space for road construction.
- Conducting periodic Survey trainings for Surveyors, Levelers and Chainmen on safe working practices and handling of Surveying Equipment.
- Preparation of ArcGIS maps for adjacent land parcels along the road reserve.
- Reporting to the Chief Surveyor
- Supervision of all survey activities on site.

### **JAN 2019 TO APRIL 2019; PROJECT SURVEYOR AT TERTIARY ENGINEERING CONSULTANTS LTD**

**PROJECT:** CHANGAMWE REPOOLING SEWER NETWORK PROJECT IN MOMBASA.

#### **DUTIES AND RESPONSIBILITIES**

- Setting out to mark the positions of the sewer lines.
- Making civil assisted drawings (CAD) as representation of the works as built.
- Supervision of Levelers and Chainmen.
- Compilation and presentation of weekly and monthly reports.
- Representation of Survey department in technical meetings.
- Reporting to the Resident Engineer.

### **FEB 2017 TO NOV 2018; ASSISTANT SURVEYOR AT EAST AFRICA CONSULTANTS LIMITED**

**PROJECT:** KENYA INFORMAL SETTLEMENT INFRASTRUCTURE IMPROVEMENT PROJECT (KISIP) IN MALINDI

#### **DUTIES AND RESPONSIBILITIES**

- Participated in the supervision during construction of Roads, Water Supply Lines, Footpaths and Drainage works (Lot 1), High Mast Flood Lighting Works (Lot 2) and Water Supply Works (Lot 3)
- Confirmation of marked positions of Excavation for Water Pipes
- Setting out of road and drainage structures.
- Cadastral Survey works for land acquisition purposes to allow space for road construction.
- Supervision of Levelers and Chainmen.
- Making Civil Assisted Drawings for quantities calculation purposes and as a representation of surveyed data.
- Preparation of weekly and monthly reports.
- Reporting to the Resident Engineer.

### **SEP 2015 TO JAN 2017: PROJECT SURVEYOR AT ZAKHEM INTERNATIONAL COMPANY SECTION 1**

**PROJECT:** OIL PIPELINE LINE 1 REPLACEMENT PROJECT IN MOMBASA

#### **DUTIES AND RESPONSIBILITIES**

- Making Civil Assisted Drawings as a representation of the surveyed data.

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## COMPANY PROFILE

- Setting out of road, pipe network and all the other structures on site.
- Setting out and level controls for Slope protection (Stone pitching and gabions) on steep slopes.
- Verification of all the setting out data on the ground before commencement of any works.
- Making recommendations on the design provided.
- Taking Structural measurements on all the structures for quantification purposes.
- Preparation of weekly and monthly reports.
- Supervision of Levelers and draughts men.
- Representation of Survey Department in technical meetings.
- Reporting to the Project Engineer on the work progress concerning the Survey department duties.

### **MAY 2014 TO SEP 2015: ASSISTANT SURVEYOR AT CHINA ROAD AND BRIDGE CORPORATION (CRBC)**

**PROJECT:** THE STANDARD GAUGE RAILWAY PROJECT (SGR) SECTION 1 AT MOMBASA

#### **DUTIES AND RESPONSIBILITIES**

- Making Civil Assisted drawings of the surveyed data from the Land Acquisition Process and other survey as built data.
- Setting out of road, bridges, marshalling yard and box culverts.
- Control of levels at all stages of road and drainage construction.
- Preparation of daily and weekly reports.
- Reporting to the Project Surveyor on all the works done.

### **FEB 2013 TO MARCH 2014: ASSISTANT SURVEYOR AT NJUCA CONSOLIDATED COMPANY LIMITED**

**PROJECT:** MOMBASA STORM WATER REHABILITATION PROJECT PHASE II AND ONE STOP BORDER POINT AT LUNGA LUNGA AT THE KENYA-TANZANIA BORDER.

#### **DUTIES AND RESPONSIBILITIES**

- Setting out of roads, drainage structures and buildings.
- Levelling to control the water gradient of the pipe and box culverts.
- Control of levels during road construction as stipulated in the design.
- Taking Structural Measurements of the work done.
- Reporting to the Project Surveyor on the work done.

### **FEB 2012 TO JAN 2013: SURVEYOR AT JIANGXI ZHONGMEI ENGINEERING CONSTRUCTION LIMITED**

**{JZEC}**

**PROJECT:** UPGRADING OF MARSABIT – TURBI {A2} ROAD.

#### **DUTIES AND RESPONSIBILITIES**

- Setting out of road short span bridges and drainage structures
- Control of levels at all stages of road construction.
- Levelling to control the cuts and fills on the road and excavations on Culverts.
- Preparation of daily, weekly and monthly reports.

## **SELECTED PROJECTS**

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## COMPANY PROFILE

**2021: PROJECT: PROPOSED MORINGA PROCESSING PLANT IN MAJORENI KWALE COUNTY**

**CLIENT: LEAFDE LIMITED**

**TASK:**

- Establishing Controls & Bench Mark Heighting.
- Setting Out of Structures.
- Detailed Topographic Survey.
- Topographic Map Generation.



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## COMPANY PROFILE

**2021: PROJECT:** CONSTRUCT/REHABILITATE THE ROAD TO BITUMEN STANDARDS IN LOT 33 FROM NGONG TO ISINYA, 47.55 KM (NGONG - KISERIAN - ISINYA) & FROM KAJIADO TO IMARORO, 43 KM (KAJIADO - MASHURU - ISARA)

**CLIENT:** ASTERIKS ENGINEERING LIMITED

**TASK:**

- Establishing Controls & Bench Mark Heighting.
- 24-Hour Bridge Settlement Monitoring Using Laser Tech.
- Survey Equipment Mobilization.
- Establishment of Actual Bridge-Beam Bearing and Lengths.



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## COMPANY PROFILE

**2021: PROJECT: PROPOSED RONALD NGALA UTALII COLLEGE IN KILIFI COUNTY**

**CLIENT: MULJI DEVRAJ & BROTHERS LIMITED**

**TASK:**

- Establishing Controls.
- As-built Survey for Existing Structures.
- Detailed Topographic Survey.
- Earthwork Computation from Topographic Survey Data.



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## COMPANY PROFILE

**2021: PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT**

**CLIENT: MR. JONATHAN JACKSON**

**TASK:**

- Beacon Reestablishment.
- Setting Out Boundary Wall.
- Detailed Topographic Survey.
- Survey Data Processing & Topographic Map Generation.



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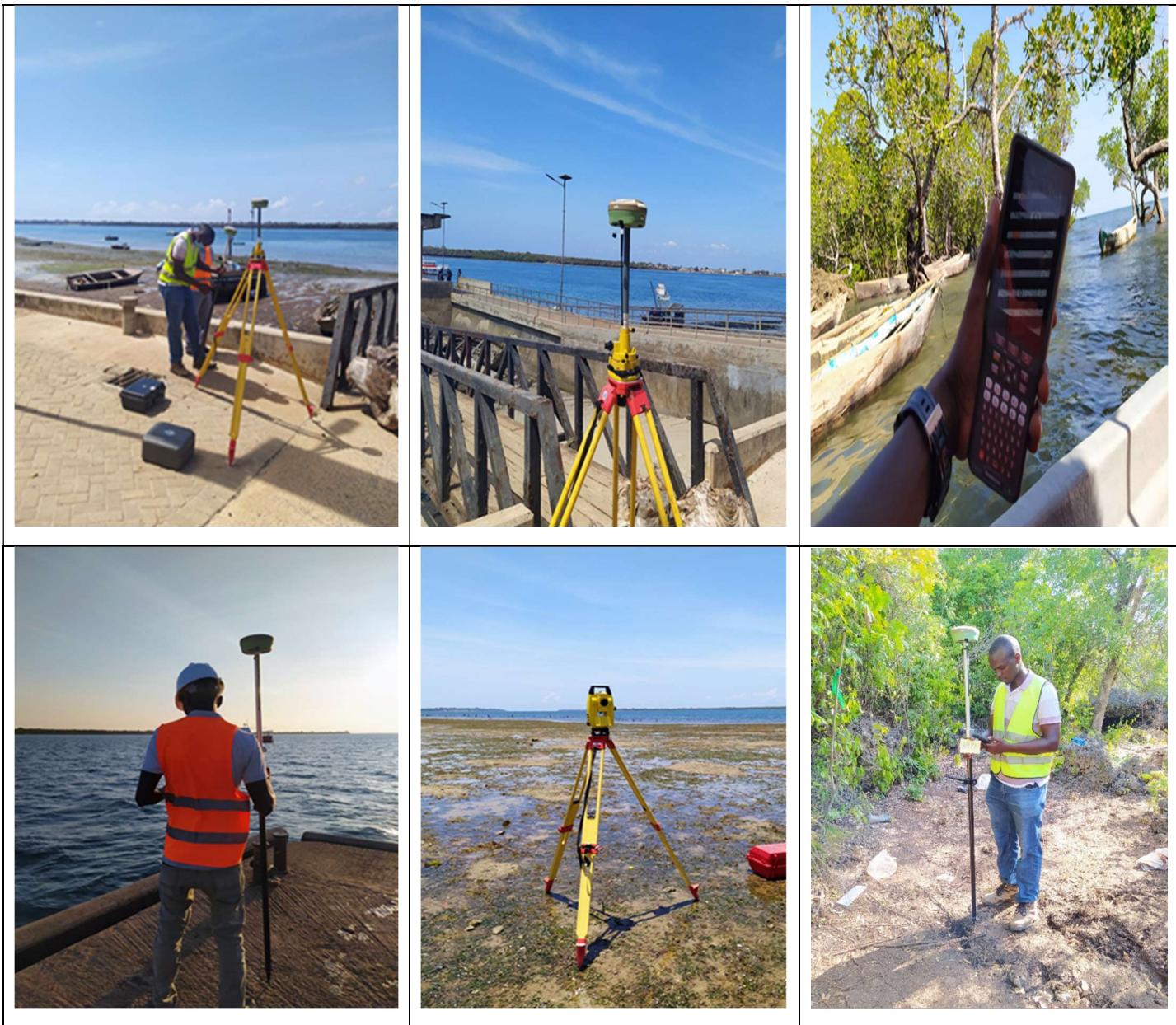
## COMPANY PROFILE

**2021: PROJECT: GREEN SHIP RECYCLING AND STEEL MAKING PROJECT**

**CLIENT: WASINI MARITIME LTD**

**TASK:**

- Establishing controls and Bench Mark Heighting.
- Setting out offshore & onshore Boreholes.
- As-built survey for the same



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## COMPANY PROFILE

**2021: PROJECT: PROPOSED FERRY RAMP AT THE KENYA FERRY MAINLAND SITE**

**CLIENT: KENYA FERRY SERVICES**

**TASK:**

- Establishing Controls and Bench Mark Heighting.
- Setting Out Layout Plan
- Design Levels Placement



**2021: PROJECT: PROPOSED LAND SUBDIVISION AND BEACON ESTABLISHMENT ON PARCEL NUMBER (KWALE/SHIMBA NORTH/GOLINI/250 & 1149)**

**CLIENT: MR. HANS.J. WITTWER**

**TASK:**

- Mobilization of Staff & Equipment
- Creating a Subdivision Plan.
- Beacon Establishment.



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## COMPANY PROFILE

**2021: PROJECT:** PROPOSED RESIDENTIAL DEVELOPMENT ON PLOT NO. KWALE/SABHARWALS.  
S/171KWALE COUNTY

**CLIENT:** MR. ROBERT LIMONI

**TASK:**

- Establishing Controls and Bench Mark Heighting.
- Georeferencing of Plan & Coordinate Generation.
- Setting Out of layout plan & As-built Survey



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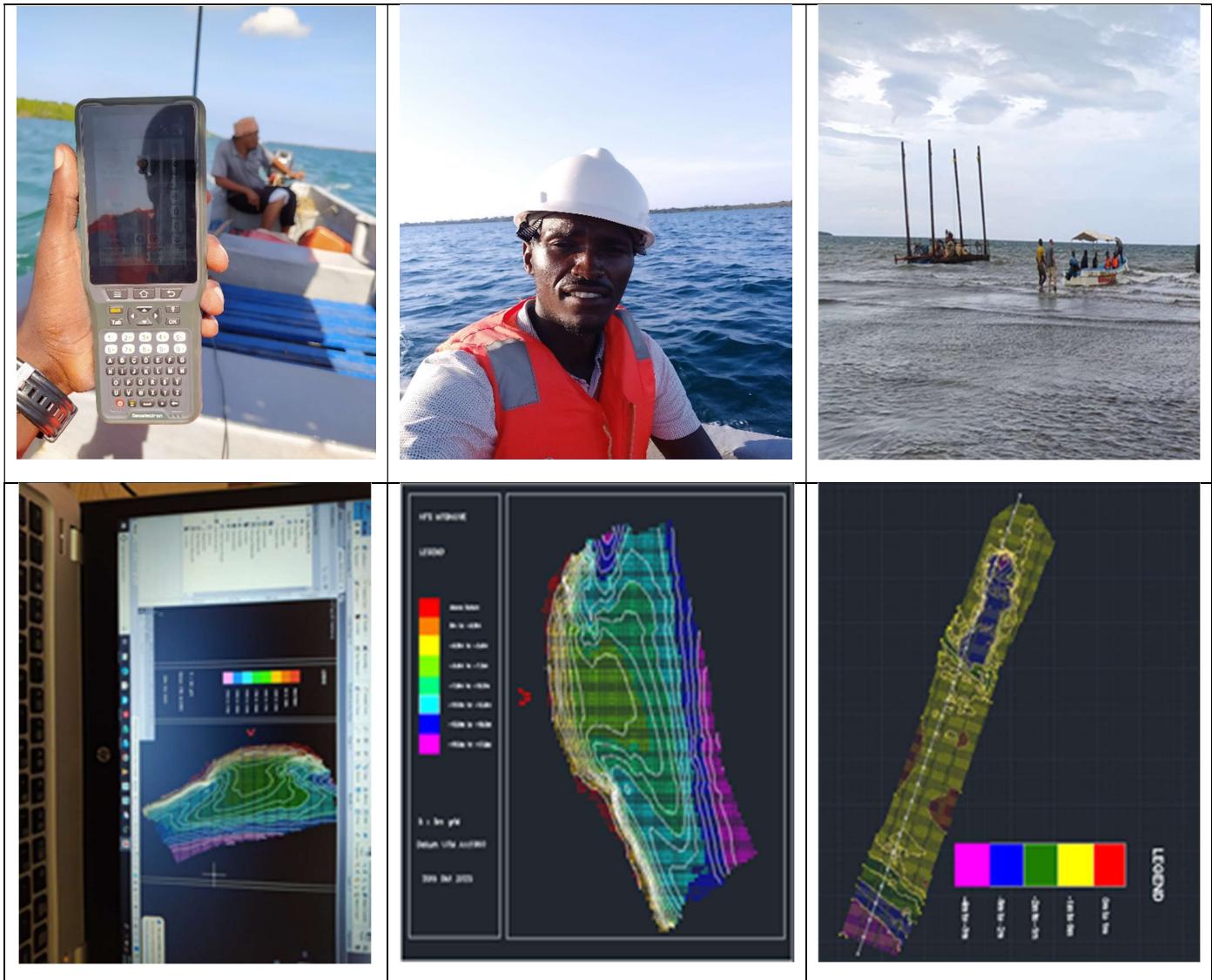
## COMPANY PROFILE

**2020: PROJECT: PROPOSED FERRY RAMP AT THE KENYA FERRY MAINLAND SITE (MTONGWE)**

**CLIENT: KENYA FERRY SERVICES**

**TASK:**

- Establishing Controls.
- Conducting a Detailed Bathymetric Survey.
- Processing Survey Data & Bathymetric Map Generation.



## **EQUIPMENT**

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**COMPANY PROFILE**

No	Description	Registration/Model	Status	Qty
1	GNSS Receiver (Rover & Base)	FOIF, LEICA SPECTRA PRECISION	Owned	2
2	LEICA Total Station	LEICA	Owned	3
3	Automatic Level	TOPCON	Owned	2
4	Dumpy Level	FOIF	Owned	2
5	Nissan Saloon	KCS 669J	Owned	1
6	Mazda Van	KDD 482V	Owned	1
6	GPS (Hand Held)	GARMIN	Owned	2



**ISLAND SURVEY AND ENGINEERING CONTRACTORS LIMITED**  
Survey and Construction Specialists

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