

## CURRICULUM VITAE

### ENG. PHILIP NG'ARU MURUNGI

P.O. Box 2897-00100, Nairobi, Kenya  
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1. **POSITION** : PROJECT MANAGER & CIVIL ENGINEERING PROFESSIONAL
2. **NAME** : **PHILIP NG'ARU MURUNGI**
3. **PROFESSION** : Registered Civil Engineer (R.Eng), ERB Zambia  
Registered Engineer Registration Board, (ERB) Kenya  
  
Corporate Member of the Institution of Engineers of Kenya, M.I.E.K. Kenya & Member of the Engineering Institution of Zambia M.E.I.Z
4. **DATE OF BIRTH** : 1979
5. **PREVIOUS ROLE** : Project Manager - Dalbit International Ltd & Its Subsidiary Belgravia Services Ltd - Zambia
6. **YEARS OF EXPERIENCE** : 14+ Years      **NATIONALITY** : Kenyan
7. **MEMBERSHIP OF PROFESSIONAL SOCIETIES**
  - Professional Engineer, Engineering Institution of Zambia (MEIZ)
  - Corporate Member, Institution of Engineers of Kenya (IEK)
8. **EXPERIENCE**
  - Technical and functional expertise in the Civil Engineering process, preliminary feasibility studies, detailed Structural/Civil Engineering Analysis. Generating and reviewing of designs, drawings, bill of quantities and relate to the organisational needs.
  - Corporate office fit out, Retail Customer and Plant/Industrial Facilities management experience, especially for Buildings, Interiors, Equipments, Steel structures, Landscaping, electrical and Air condition systems, Mechanical services and Environmental applications.
  - Project & Construction Management Experience, in rolling out organisational capital expenditure programs, Implementation of Brand and marketing programs with a construction need, from initiation, planning, executing and through to Close out.
  - Supervise and coordinate construction works and ensure that executed works are to the required requirements, specifications and quality. Review of individual site reports for accuracy, comprehensiveness and adequacy. Compilation of reports and briefing the relevant stakeholders
  - Development, implementation and management of Site Health, Safety, Security and Environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organisation.
  - Contract management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, Contract Key performance Indicators review and contract close out.

## 9. KEY QUALIFICATIONS

Civil Engineering Background with extensive experience in Facilities and Projects Management & Engineering design, construction supervision, Contract management, Equipment Maintenance, Budgets development and analysis, Safety management. Some notable projects carried out as a Structural/Civil /Project Engineer and Maintenance Manager are:

- Project Manager for Oil companies for Capex projects Vivo Energy, Hashi Energy and Dalbit petroleum Kenya and Zambia
- Project Manager for the construction & Rehabilitation of Petroleum 5No. Depots for the Government of Zambia, 50MW Power Plant and Rehabilitation of the Bitumen Refinery.
- Retail Sites Upgrade, Brand upgrade, Electrical and fuel systems upgrade 2010/2011 for over 90 retail Shell Sites in Kenya and further offering similar support for Shell Uganda Ltd
- Facilities maintenance and management of all 110 Retail and Head office work sites for Kenya Shell Limited - Kenya
- Project Supervision of the Relocation of Kenya Shell New head office outfit (Laiboni Centre) in Kilimani, from its previous location in Shell & BP House in Nairobi CBD - Kenya
- Design and supervision of the 85 Shell Service station upgrades(Under ground tanks installation, UPP piping, Submersible pumps, Dispensers, Electrical installation, Canopies etc) for Kenya Shell, 2008/9 - Kenya
- Design of Proposed Bungoma service station, Tendering, Costing and planning
- Rebranding of 30 Shell service stations with the new RVI Evolution signage as per Shell Brand international standards
- Design and Remodelling of Changamwe Shell Service station, in Mombasa Kenya,
- Design and supervision of the Remodeling of Adams Arcade and Narok Total service station for Total Kenya Ltd -Nairobi, Kenya
- Underground installation of fuel tanks for 8 Total service stations – Nairobi & Mombasa,
- Structural design of the Kenya Bankers Association Head office building - Nairobi, Kenya
- Structural design and supervision of Watford park apartments - Nairobi, Kenya
- Structural design, Civil works design and construction supervision of Pillar estate -Nairobi, Kenya
- Structural and civil works design of Pumwani Estate and structural design of Pumwani Mosque - Nairobi, Kenya
- Structural design of steel roof for vehicle bay at Bamburi Cement Ltd, Nairobi - Nairobi, Kenya
- Structural design of office block, school & hospital for Lutheran world foundation - Yambio, South Sudan
- Structural Design of AFYA Sacco corporate banking KNH Branch - Nairobi, Kenya
- Civil/Structural Supervision, & Civil Works for Bamburi cement Ltd's Nairobi Grinding plant - Nairobi, Kenya
- Structural Design and supervision of Prelux Apartment - Nairobi, Kenya
- Structural Design and supervision of Waterside Apartment - Nairobi, Kenya

Further strengthened academic qualifications in Project management, HSSE and technical software such as AutoCAD, StaadPRO, Prokon and MS Project.

Gained vast engineering experience on many engineering projects related primarily to the construction and supervision of structures in Kenya, South Sudan and now Zambia.

## 10. EDUCATION

: Certificate in Managing Projects - Engineering  
The George Washington University,  
Johannesburg, South Africa 2008.

: Bachelor of Science in Civil Engineering (Hons),  
University of Nairobi,  
Nairobi, Kenya, 2004.

**11. RESEARCH PAPERS & REPORTS CONDUCTED IN ENGINEERING:**

- 1) Hydrological Study on water supply sources for Karagita/Mirera area in Naivasha for WWF Eastern Africa regional office.2005
- 2) Performance of urban water supplies in relation to changing socio-economic conditions in Kenya. Case study Nanyuki Municipal Water Supply & Distribution, Kenya. September 2003

**12. EMPLOYMENT RECORD**

<b>Positions Held/Designation</b>	<b>Duration</b>	<b>Names of Employing Organization</b>	<b>Location and Client</b>	<b>*Types of Services Rendered</b>
Managing Director & Projects Manager	Dec 2012 to Present	Kent Africa Ltd	East & Southern Africa	PM, CS, CH, CM, RDD,MM, DD
Projects Manager - Zambia	Sept 2011 – Dec 2012	Dalbit International Ltd	Zambia, Government of Zambia	PM, CS, CH, CM, RDD,MM, DD
Retail Projects Engineer	June. 2011 – Sept 2011	Kenya Shell Ltd	Nairobi, Kenya	PM, CS, CH, CM, RDD,MM
Retail Maintenance Engineer	Nov. 2009 – May 2011	Kenya Shell Ltd	Nairobi, Kenya	DD, PM, CS, CH, CM, RDD,MM
Retail Construction Engineer	June. 2008 – Oct 2009	Kenya Shell Ltd	Nairobi, Kenya	DD, PM, CS, CH, CM, RDD
Civil Engineer	May. 2006 – May,2008	Total Kenya Ltd	Nairobi, Kenya	DD, PM, CS, FS, CM, RDD
Structural/Civil Engineer	Sept. 2005 – April 2006	Terra-Consult, Geotechnical, Environmental, Civil & Structural Engineers	Nairobi, Kenya	DD, RDD, CS FS
Structural Engineer	Aug.2004 – Aug.2005	Maestro Engineering Consulting Ltd.	Nairobi, Kenya	CS, FS, DD, RDD
Note: * DD - Detailed Structural Design PM - Project management CH - Contract Holder/Manager CM - Construction manager, civil, electrical, mechanical CS - Construction Supervision FS - Feasibility Studies RDD - Review of Detailed Design				

### 13. EXPERIENCE RECORD:

#### 13.1 MAESTRO ENGINEERING CONSULTING LTD

Immediately after joining Maestro Engineering Consulting, I underwent an on job training on reviewing structural drawings, practical use of Autocad in drawings and detailing in collaboration with the design engineers. After a three week training, I was deployed to the Design and drawing office under the principal Structural Engineer, Dr.Eng. Tony Monda who was my supervisor and immediately commenced training in Structural Design of Concrete and Steel Structures.

Thereafter, I was involved in the following activities on diverse dates and in the course of duty:-

**Name of Project:** Front office Banking Hall Development  
**Date:** October 2004  
**Location:** Kenyatta National Hospital, Nairobi  
**Client** AFYA SACCO LTD  
**Project Features** Design of Banking hall building – One storey  
**Position held** Structural Engineer      Company: Maestro Engineering Consulting  
**Activities** Design of building structures, from foundations pads, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

**Name of Project:** Prelux Apartments  
**Date:** October 2004  
**Location:** Kileleshwa, Nairobi  
**Client** Prelux Apartments Ltd  
**Project Features** Design of five storey apartment buildings  
**Position held** Structural Engineer      Company: Maestro Engineering Consulting  
**Activities** Design of building structures, from foundations pads, reinforced concrete columns, reinforced beams, Floor Slabs, Steel Lattice roof.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

**Name of Project:** Front office Banking Hall Development  
**Date:** November 2004  
**Location:** KMTC, Kisii  
**Client** AFYA SACCO LTD  
**Project Features** Design of Banking hall building – One storey  
**Position held** Structural Engineer      Company: Maestro Engineering Consulting  
**Activities** Design of building structures, from foundations pads, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

**Name of Project:** Accounting and finance offices development  
**Date:** October 2004

Location: Olkalou, Nyandarua District  
 Client: NYANDARUA TEACHERS SACCO  
 Project Features: Design of for the extension of the banking facilities  
 Position held: Structural Engineer Company: Maestro Engineering Consulting  
 Activities: Design of building structures, masonry wall design, staircase design, Beams, Slabs, and Roof design.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

**Name of Project:** **Drainage and civil works for the improvement of the main carpark**  
 Date: October 2004  
 Location: Athi river, Nairobi  
 Client: BAMBURI CEMENT COMPANY  
 Project Features: Design and improvement of the main car park at the Athi river grinding plant  
 Position held: Civil Engineer Company: Maestro Engineering Consulting  
 Activities: Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads and drainage network.

**Name of Project:** **Office Block, school, and hospital structural design**  
 Date: November 2004  
 Location: Yambio, West Nile province, South Sudan  
 Client: LUTHERAN CHURCH INTERNATIONAL  
 Project Features: Design of office block building, school and hospital buildings  
 Position held: Structural Engineer Company: Maestro Engineering Consulting  
 Activities: Design of building structures, from foundations pads, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

### 13.3 TERRACONSULT LTD – GEOTECHNICAL, STRUCTURAL AND CIVIL CONSULTING ENGINEERS

I was deployed to the Design and drawing office under the principal Structural Engineer, Dr.Eng. Issa Ismail who was my supervisor and immediately commenced additional training in Structural Design of Concrete and Steel Structures, Geotechnical design and investigations and water design

I was involved in the following activities on diverse dates and in the course of duty:-

**Name of Project:** **Hydrological study of water supply options for Mirera/Karagita**  
 Date: December 2005  
 Location: Naivasha, Kenya  
 Client: WWF Eastern Africa regional office, Nairobi  
 Project Features: Hydrological Study of potential water supply sources for the Mirera/Karagita People  
 Position held: Civil Engineer Company: Terra Consult Geotechnical, Structural & Civil Engineers  
 Activities: Hydrological study of various water supply options for the Mirera/Karagita Area to address water shortage and water quality issues affecting people of this area. The Exercise involved borehole data analysis and evaluations covering the entire area around lake Naivasha and also identifying fluorine levels in the borehole water that has potential to affect the health of the people of that region.

Name of Project: **Development of 700 units of Maisonettes**  
 Date: September 2005  
 Location: Langata, Nairobi,  
 Client: PILLAR ESTATE MAISONETTES  
 Project Features: Structural design and analysis of the building structures  
 Position held: Structural Engineer                      Company: Terra Consult Geotechnical, Structural & Civil Engineers  
 Activities: Design of building structures, from foundations, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

Name of Project: **Development of three apartment blocks each four stories high**  
 Date: September 2005  
 Location: Riara, Nairobi,  
 Client: RIDGEWOOD PARK APARTMENTS  
 Project Features: Structural design and analysis of the building structure  
 Position held: Structural Engineer                      Company: Terra Consult Geotechnical, Structural & Civil Engineers  
 Activities: Design of building structures, from foundations, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

Name of Project: **Development of two apartment blocks each four stories**  
 Date: September 2005  
 Location: Valley Arcade, Nairobi,  
 Client: WATFORD PARK APARTMENTS  
 Project Features: Structural design and analysis of the building structure  
 Position held: Structural Engineer                      Company: Terra Consult Geotechnical, Structural & Civil Engineers  
 Activities: Design of building structures, from foundations pads, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

### 13.4 CHARCHI GITHINJI & PARTERS CONSULTING ENGINEERS

I was deployed to the Design and drawing office under the Engineer, Eng. D.M. Wanjau Ismail was my supervisor and was assigned to carry out Structural Design of Concrete and Steel Structures and Foundation designs.

I was involved in the following activities on diverse dates and in the course of duty:-

Name of Project: **Proposed Kenya Bankers Association**  
 Date: March 2006  
 Location: Community, Nairobi,  
 Client: KENYA BANKERS ASSOCIATION  
 Project Features: Structural design and analysis of the Multi Storey Building Structure  
 Position held: Structural Engineer                      Company: Charchi Githingi  
 Activities: Design of building structures, from foundations, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Detailed Design and drawing production for all structural elements

### 13.5 TOTAL KENYA LTD – OIL MARKETING COMPANY - KENYA

I was deployed in Technical and Engineering section under the Operations Department of Total Kenya as a Civil Engineer for the company projects across the country under the supervision of John Maina and Eng. Linus Gitonga.

I was involved in the following activities on diverse dates and in the course of duty:-

Name of Project:	<b>Underground tank installation,&amp; forecourt works at Rongai Total Service Stations</b>
Date:	August 2006
Location:	Limuru Town
Client	TOTAL KENYA LIMITED
Project Features	Detailed Design for the fuel tanks embankment wall and Canopy Steel Structures
Position held	Civil Engineer/Project Engineer                      Company: Total Kenya Limited
Activities	Detailed design for the excavation and construction of the underground tanks containment vault in reinforced concrete retaining walls. Fuel tanks foundation and buoyancy restraints to avoid tank floatation. Structural design of the Service Station Canopy comprising of Steel Structural elements, such as columns, beams, rafters, purlins and bracings. Detailed Design and drawing production for the 8No. Service stations in Kenya. Site inspection and supervision of the actual construction works.
Name of Project:	<b>Underground tank installation,&amp; forecourt works at Ngenia Total Service Stations</b>
Date:	August 2006
Location:	Limuru Town
Client	TOTAL KENYA LIMITED
Project Features	Detailed Design for the fuel tanks embankment wall and Canopy Steel Structures
Position held	Civil Engineer/Project Engineer                      Company: Total Kenya Limited
Activities	Detailed design for the excavation and construction of the underground tanks containment vault in reinforced concrete retaining walls. Fuel tanks foundation and buoyancy restraints to avoid tank floatation. Structural design of the Service Station Canopy comprising of Steel Structural elements, such as columns, beams, rafters, purlins and bracings. Detailed Design and drawing production for the Total Service stations in Kenya. Site inspection and supervision of the actual construction works.
Name of Project:	<b>Underground tank installation,&amp; forecourt works at Kangemi Total Service Stations</b>
Date:	August 2006
Location:	Kangemi, Nairobi
Client	TOTAL KENYA LIMITED
Project Features	Detailed Design for the fuel tanks embankment wall and Canopy Steel Structures
Position held	Civil Engineer/Project Engineer                      Company: Total Kenya Limited
Activities	Detailed design for the excavation and construction of the underground tanks containment vault in reinforced concrete retaining walls. Fuel tanks

foundation and buoyancy restraints to avoid tank floatation.

Structural design of the Service Station Canopy comprising of Steel Structural elements, such as columns, beams, rafters, purlins and bracings.

Detailed Design and drawing production for the Total Service stations in Kenya. Site inspection and supervision of the actual construction works.

Name of Project: **Underground tank installation,& forecourt works at Makadara Total Service Stations**

Date: August 2006

Location: Jogoo Rd, Nairobi

Client: TOTAL KENYA LIMITED

Project Features: Detailed Design for the fuel tanks embankment wall and Canopy Steel Structures

Position held: Civil Engineer/Project Engineer      Company: Total Kenya Limited

Activities: Detailed design for the excavation and construction of the underground tanks containment vault in reinforced concrete retaining walls. Fuel tanks foundation and buoyancy restraints to avoid tank floatation.  
Structural design of the Service Station Canopy comprising of Steel Structural elements, such as columns, beams, rafters, purlins and bracings.  
Detailed Design and drawing production for the Total Service stations in Kenya. Site inspection and supervision of the actual construction works.

Name of Project: **Underground tank installation,& forecourt works at Mwihoti Total Service Stations**

Date: August 2006

Location: Muranga Town

Client: TOTAL KENYA LIMITED

Project Features: Detailed Design for the fuel tanks embankment wall and Canopy Steel Structures

Position held: Civil Engineer/Project Engineer      Company: Total Kenya Limited

Activities: Detailed design for the excavation and construction of the underground tanks containment vault in reinforced concrete retaining walls. Fuel tanks foundation and buoyancy restraints to avoid tank floatation.  
Structural design of the Service Station Canopy comprising of Steel Structural elements, such as columns, beams, rafters, purlins and bracings.  
Detailed Design and drawing production for the Total Service stations in Kenya. Site inspection and supervision of the actual construction works.

Name of Project: **Underground tank installation,& forecourt works at Outering Total Service Stations**

Date: August 2006

Location: Kariobangi, Nairobi

Client: TOTAL KENYA LIMITED

Project Features: Detailed Design for the fuel tanks embankment wall and Canopy Steel Structures

Position held: Civil Engineer/Project Engineer      Company: Total Kenya Limited

Activities: Detailed design for the excavation and construction of the underground tanks containment vault in reinforced concrete retaining walls. Fuel tanks foundation and buoyancy restraints to avoid tank floatation.  
Structural design of the Service Station Canopy comprising of Steel



Structural elements, such as columns, beams, rafters, purlins and bracings.  
Detailed Design and drawing production for the Total Service stations in Kenya. Site inspection and supervision of the actual construction works.

Name of Project: **Underground tank installation,& forecourt works at Mariakani Total Service Stations**  
 Date: August 2006  
 Location: Mariakani, Mombasa  
 Client: TOTAL KENYA LIMITED  
 Project Features: Detailed Design for the fuel tanks embankment wall and Canopy Steel Structures  
 Position held: Civil Engineer/Project Engineer      Company: Total Kenya Limited  
 Activities: Detailed design for the excavation and construction of the underground tanks containment vault in reinforced concrete retaining walls. Fuel tanks foundation and buoyancy restraints to avoid tank floatation.  
 Structural design of the Service Station Canopy comprising of Steel Structural elements, such as columns, beams, rafters, purlins and bracings.  
 Detailed Design and drawing production for the Total Service stations in Kenya. Site inspection and supervision of the actual construction works.

Name of Project: **Underground tank installation,& forecourt works at Likoni Total Service Stations**  
 Date: August 2006  
 Location: South Coast, Mombasa  
 Client: TOTAL KENYA LIMITED  
 Project Features: Detailed Design for the fuel tanks embankment wall and Canopy Steel Structures  
 Position held: Civil Engineer/Project Engineer      Company: Total Kenya Limited  
 Activities: Detailed design for the excavation and construction of the underground tanks containment vault in reinforced concrete retaining walls. Fuel tanks foundation and buoyancy restraints to avoid tank floatation.  
 Structural design of the Service Station Canopy comprising of Steel Structural elements, such as columns, beams, rafters, purlins and bracings.  
 Detailed Design and drawing production for the Total Service stations in Kenya. Site inspection and supervision of the actual construction works.

Name of Project: **Underground fuel tank installation, New canopy construction and forecourt works at Kagwe Total Service Stations**  
 Date: September 2006  
 Location: Githunguri, Kiambu  
 Client: TOTAL KENYA LIMITED  
 Project Features: Structural Design and construction of New Service Station Canopy and fuel tanks installation  
 Position held: Civil Engineer/Project Engineer      Company: Total Kenya Limited  
 Activities: Detailed structural design and supervision for the fabrication and installation of the Kagwe service station Canopy with structural steel members. The structure comprised of a two legged 4.5meters high canopy for covering the fuel pump area.  
 Excavation and installation of 4No. Underground fuel tanks (2x30,000litres

and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.

**Name of Project:** **Demolition and reconstruction of station canopy, forecourt, service bays, carwash, LPG and tyre centre at Adams Arcade Total Service Station**  
**Date:** September 2006  
**Location:** Adams Arcade, Nairobi  
**Client** TOTAL KENYA LIMITED  
**Project Features** Structural design and analysis of the building structure  
**Position held** Civil Engineer/Project Engineer Company: Total Kenya Limited  
**Activities** Detailed structural design and supervision for the fabrication and installation of the service station Canopy with structural steel members. The structure comprised of a two legged 4.5meters high canopy for covering the fuel pump area.  
 Extension and construction of new building structure for the tyre center, LPG storage and Carwash.

**Name of Project:** **Reconstruction and refurbishment of station buildings at Narok Total service station**  
**Date:** July 2007  
**Location:** Narok, Rift Valley  
**Client** TOTAL KENYA LIMITED  
**Project Features** Structural design and analysis of the building structure  
**Position held** Civil Engineer/Project Engineer Company: Total Kenya Limited  
**Activities** Design of building structures, from foundations pads, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

**Name of Project:** **Construction of New Service Station on Kangundo Road**  
**Date:** November 2007  
**Location:** Kangundo Road, Nairobi  
**Client** TOTAL KENYA LIMITED  
**Project Features** Detailed Service Station design and construction supervision.  
**Position held** Civil Engineer/Project Engineer Company: Total Kenya Limited  
**Activities** Design of building structures, from foundations details, reinforced concrete columns, reinforced beams, Floor Slabs and roof slab.  
 Design for the structural steel canopy structure and the service bay canopy structure.  
 Design for the installation of 4No Underground fuel tanks (2x30,000litres and 2x20,000litres)  
 Design for the drainage, sewerage and water reticulation for the service station.  
 Detailed Design and drawing production for all structural elements. Site inspection and supervision of the actual construction works.

### 13.6 KENYA SHELL LTD – OIL MARKETING COMPANY - KENYA

I was deployed in Retail Engineering section under the Retail Department of Kenya Shell as a Civil/Construction Engineer for the company projects across the country under the supervision of Eng. James Mutema.

I was involved in the following activities on diverse dates and in the course of duty:-

<b>Name of Project:</b>	<b>Upgrade of Shell Service stations.</b>
Date:	June 2008
Location:	Narok Shell Service station, Narok town
Client	KENYA SHELL LIMITED
Project Features	Service station upgrade works and Remodeling
Position held	Civil Engineer/Project Engineer                      Company: Kenya Shell Ltd
Activities	<p>Detailed structural design and supervision for the fabrication and installation of the Shell service station Canopy with structural steel members. The structure comprised of a two legged 4.5meters high canopy for covering the fuel pump area.</p> <p>Excavation and installation of 5No. Underground fuel tanks (1x50,000litres, 2x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.</p> <p>Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage and perimeter walling.</p> <p>Measurement of earthworks and design checks of elevated steel water tank drawings provided by fabrication sub-contractors to ensure the tower members were adequate.</p> <p>Preparation of tender documents for borehole drilling and evaluation of contractors.</p> <p>Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.</p> <p>Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.</p>
<b>Name of Project:</b>	<b>Upgrade of Shell Service stations.</b>
Date:	June 2008
Location:	Avenue Shell Service Station, CBD Nairobi
Client	KENYA SHELL LIMITED
Project Features	Service station upgrade works and Remodeling
Position held	Civil Engineer/Project Engineer                      Company: Kenya Shell Ltd
Activities	<p>Excavation and installation of 4No. Underground fuel tanks (2x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.</p> <p>Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.</p> <p>Measurement of earthworks and other civil works</p> <p>Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.</p>

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project: Upgrade of Shell Service stations.**

Date: June 2008

Location: Baraka Shell Service Station, Waiyaki Way, Nairobi

Client: KENYA SHELL LIMITED

Project Features: Service station upgrade works and Remodeling

Position held: Civil Engineer/Project Engineer Company: Kenya Shell Ltd

**Activities**

Excavation and installation of 4No. Underground fuel tanks (2x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.

Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.

Measurement of earthworks and other civil works

Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project: Upgrade of Shell Service stations.**

Date: June 2008

Location: Babadogo Shell Service Station, Outering road, Nairobi

Client: KENYA SHELL LIMITED

Project Features: Service station upgrade works and Remodeling

Position held: Civil Engineer/Project Engineer Company: Kenya Shell Ltd

**Activities**

Excavation and installation of 1No. Underground fuel tanks (1x50,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.

Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.

Measurement of earthworks and other civil works

Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process,

supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.  
**Date:** June 2008  
**Location:** City Stadium Shell Service Station, Jogoo rd, Nairobi  
**Client:** KENYA SHELL LIMITED  
**Project Features:** Service station upgrade works and Remodeling  
**Position held:** Civil Engineer/Project Engineer      Company: Kenya Shell Ltd

**Activities**

Excavation and installation of 4No. Underground fuel tanks (1No. 50,000litres 1x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.

Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.

Measurement of earthworks and other civil works

Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.  
**Date:** October 2008  
**Location:** New Nyali Shell Service Station, Mombasa  
**Client:** KENYA SHELL LIMITED  
**Project Features:** Service station upgrade works and Remodeling  
**Position held:** Civil Engineer/Project Engineer      Company: Kenya Shell Ltd

**Activities**

Excavation and installation of 4No. Underground fuel tanks (2x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.

Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.

Measurement of earthworks and other civil works

Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.

Date: October 2008  
 Location: Harbour Shell Service Station, Moi Avenue, Mombasa  
 Client: KENYA SHELL LIMITED  
 Project Features: Service station upgrade works and Remodeling  
 Position held: Civil Engineer/Project Engineer      Company: Kenya Shell Ltd

Activities: Excavation and installation of 4No. Underground fuel tanks (2x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.  
 Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.  
 Measurement of earthworks and other civil works  
 Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.  
 Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.  
 Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.  
 Date: October 2008  
 Location: Moi Avenue Shell Service Station, Mombasa  
 Client: KENYA SHELL LIMITED  
 Project Features: Service station upgrade works and Remodeling  
 Position held: Civil Engineer/Project Engineer      Company: Kenya Shell Ltd

Activities: Excavation and installation of 4No. Underground fuel tanks (2x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.  
 Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.  
 Measurement of earthworks and other civil works  
 Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.  
 Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.  
 Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Knock down and Rebuild of Service Station  
 Date: June 2008  
 Location: Changamwe Shell Service Station, Changamwe, Mombasa  
 Client: KENYA SHELL LIMITED  
 Project Features: Completely demolish and rebuild service stations  
 Position held: Civil Engineer/Project Engineer      Company: Kenya Shell Ltd

**Activities**

Service station design, for Buildings, structural steel canopies, perimeter walling, parkings areas, and Excavation and installation of 5No. Underground fuel tanks (4x50,000litres and 1x30,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforced underground tank.

Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage and effluent Discharge system.

Measurement of earthworks and other civil works

Preparation of the Bid invitation documents such as the RFP/RFQ (Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.  
**Date:** January 2009  
**Location:** Dagoretti Shell Service Station, Nairobi  
**Client** KENYA SHELL LIMITED  
**Project Features** Service station upgrade works and Remodeling  
**Position held** Civil Engineer/Project Engineer Company: Kenya Shell Ltd

**Activities**

Design and construction of a Two legged structural Steel canopy for the fuelling area complete with the shell branding installation and finishes. Also included the

Excavation and installation of 3No. Underground fuel tanks (1x50,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.

Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.

Measurement of earthworks and other civil works

Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.  
**Date:** January 2009  
**Location:** Kariokor Shell Service Station, Nairobi  
**Client** KENYA SHELL LIMITED  
**Project Features** Service station upgrade works and Remodeling

Position held	Civil Engineer/Project Engineer	Company: Kenya Shell Ltd
Activities	<p>Excavation and installation of 4No. Underground fuel tanks (2x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.</p> <p>Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.</p> <p>Measurement of earthworks and other civil works</p> <p>Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.</p> <p>Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.</p> <p>Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.</p>	
<b>Name of Project:</b>	<b>Upgrade of Shell Service stations.</b>	
Date:	January 2009	
Location:	Forest Road Shell Service Station,Nairobi	
Client	KENYA SHELL LIMITED	
Project Features	Service station upgrade works and Remodeling	
Position held	Civil Engineer/Project Engineer	Company: Kenya Shell Ltd
Activities	<p>Excavation and installation of 4No. Underground fuel tanks (2x50,000litres and 2x30,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.</p> <p>Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.</p> <p>Measurement of earthworks and other civil works</p> <p>Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.</p> <p>Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.</p> <p>Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.</p>	
<b>Name of Project:</b>	<b>Upgrade of Shell Service stations.</b>	
Date:	January 2009	
Location:	Bidii Shell Service Station, Eastleigh, Nairobi	
Client	KENYA SHELL LIMITED	
Project Features	Service station upgrade works and Remodeling	
Position held	Civil Engineer/Project Engineer	Company: Kenya Shell Ltd
Activities	<p>Excavation and installation of 4No. Underground fuel tanks (2x50,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls</p>	



are design as concrete retaining walls and reinforce underground tank.  
 Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.  
 Measurement of earthworks and other civil works  
 Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.  
 Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.  
 Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.  
**Date:** January 2009  
**Location:** Latema Shell Service Station,Nairobi  
**Client** KENYA SHELL LIMITED  
**Project Features** Service station upgrade works and Remodeling  
**Position held** Civil Engineer/Project Engineer Company: Kenya Shell Ltd

**Activities** Excavation and installation of 3No. Underground fuel tanks (1x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.  
 Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.  
 Measurement of earthworks and other civil works  
 Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.  
 Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.  
 Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.  
**Date:** January 2009  
**Location:** Kirinyaga Shell Service Station,Nairobi  
**Client** KENYA SHELL LIMITED  
**Project Features** Service station upgrade works and Remodeling  
**Position held** Civil Engineer/Project Engineer Company: Kenya Shell Ltd

**Activities** Excavation and installation of 3No. Underground fuel tanks (1x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.  
 Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.  
 Measurement of earthworks and other civil works  
 Preparation of the Bid invitation documents such as the RFP/RFQ ( Request

for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service stations.  
**Date:** January 2009  
**Location:** Vic preston Shell Service Station, University way, Nairobi  
**Client:** KENYA SHELL LIMITED  
**Project Features:** Service station upgrade works and Remodeling  
**Position held:** Civil Engineer/Project Engineer Company: Kenya Shell Ltd

**Activities** Excavation and installation of 4No. Underground fuel tanks (2x30,000litres and 2x20,000litres) in a containment made from retaining walls to contain any fuel leakages from contaminating the environment. The retaining walls are design as concrete retaining walls and reinforce underground tank.  
 Design of civil works, preparation of bill of quantities for civil works, supervision of construction of roads, storm water drainage.  
 Measurement of earthworks and other civil works  
 Preparation of the Bid invitation documents such as the RFP/RFQ ( Request for quotation or Request for proposal) Bill of quantities, contract documents and Bid analysis and contract award to various contractors.  
 Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.  
 Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

### **BELGRAVIA SERVICES LTD & DALBIT INTERNATIONAL – Zambia & Democratic Republic of Congo**

I was deployed in Project management office and Civil Engineering section under the Chief Projects Manager of Belgravia Services Ltd as a Civil Engineer & Project Manager for the company projects across the country under the supervision of John Maina. R.Eng Republic of Zambia.

I was involved in the following activities on diverse dates and in the course of duty:-

**Name of Project:** Construction of New Fuel Terminal/Depot (25 Million Litre Capacity)  
**Date:** October 2011  
**Location:** Buyuntashi Road, Lusaka, Zambia  
**Client:** MINISTRY OF ENERY, REPUBLIC OF ZAMBIA  
**Project Features:** Construction of a new provincial depot for strategic oil reserves  
**Position held:** Civil Engineer/Project Manager Company: Dalbit International & Belgravia Services Ltd

**Activities** Detailed Design and Construction of a Strategic fuel reserve terminal for storage and distribution of petroleum products, The scope included the Site feasibility studies together with geotechnical investigations. Above ground vertical steel tanks construction (6No Tanks, 2x7Million litres Diesel tanks,

2x5million Litres Petrol tanks and 2x500,000litres Kerosene Tanks), complete with self supporting dome roofs, and including an internal floating roof.

Design and construction supervision of a Reinforced concrete bund wall, Fueling Gantry concrete flooring, Access roads, Rigid pavement parking, Perimeter walling, elevated water tanks, contaminated water and storm water drainage facilities and Pump sheds

Design and construction supervision of fuel piping support systems, centrifugal pump bases, Gantry Steel structure for bottom loading facilities, Office block buildings for Depot administration staff.

Design and construction of a modern fire fighting system for the entire terminal including, 1.5million litre vertical water tank, complete with fire water pumps, jockey pumps and standby diesel water pump, foam facilities (tank foam pourers, Sprinkler systems, foam bladder tanks, venturi based balanced pressure proportioner for foam induction in the water line, bund wall foam pourers).

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

<b>Name of Project:</b>	<b>Construction of New Fuel Terminal/Depot (14.5 Million Litre Capacity)</b>
Date:	October 2011
Location:	Mpika, Zambia
Client	MINISTRY OF ENERY, REPUBLIC OF ZAMBIA
Project Features	Construction of a new provincial depot for strategic oil reserves
Position held	Civil Engineer/Project Manager                      Company: Dalbit International & Belgravia Services Ltd

Activities	Detailed Design and Construction of a Strategic fuel reserve terminal for storage and distribution of petroleum products, The scope included the Site feasibility studies together with geotechnical investigations. Above ground vertical steel tanks construction (5No Tanks, 2x5Million litres Diesel tanks, 2x2million Litres Petrol tanks and 500,000litres Kerosene Tanks), complete with self supporting dome roofs, and including an internal floating roof.
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Design and construction supervision of a Reinforced concrete bund wall, Fueling Gantry concrete flooring, Access roads, Rigid pavement parking, Perimeter walling, elevated water tanks, contaminated water and storm water drainage facilities and Pump sheds

Design and construction supervision of fuel piping support systems, centrifugal pump bases, Gantry Steel structure for bottom loading facilities, Office block buildings for Depot administration staff.

Design and construction of a modern fire fighting system for the entire

terminal including, 1.5million litre vertical water tank, complete with fire water pumps, jockey pumps and standby diesel water pump, foam facilities (tank foam pourers, Sprinkler systems, foam bladder tanks, venturi based balanced pressure proportioner for foam induction in the water line, bund wall foam pourers).

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

<b>Name of Project:</b>	<b>Construction of New Fuel Terminal/Depot (14.5 Million Litre Capacity)</b>
<b>Date:</b>	June 2012
<b>Location:</b>	Mongu, Western province, Zambia
<b>Client</b>	MINISTRY OF ENERY, REPUBLIC OF ZAMBIA
<b>Project Features</b>	Construction of a new provincial depot for strategic oil reserves
<b>Position held</b>	Civil Engineer/Project Manager                      Company: Dalbit International & Belgravia Services Ltd

**Activities**                      Detailed Design and Construction of a Strategic fuel reserve terminal for storage and distribution of petroleum products, The scope included the Site feasibility studies together with geotechnical investigations. Above ground vertical steel tanks construction (5No Tanks, 2x5Million litres Diesel tanks, 2x2million Litres Petrol tanks and 500,000litres Kerosene Tanks), complete with self supporting dome roofs, and including an internal floating roof.

Design and construction supervision of a Reinforced concrete bund wall, Fueling Gantry concrete flooring, Access roads, Rigid pavement parking, Perimeter walling, elevated water tanks, contaminated water and storm water drainage facilities and Pump sheds

Design and construction supervision of fuel piping support systems, centrifugal pump bases, Gantry Steel structure for bottom loading facilities, Office block buildings for Depot administration staff.

Design and construction of a modern fire fighting system for the entire terminal including, 1.5million litre vertical water tank, complete with fire water pumps, jockey pumps and standby diesel water pump, foam facilities (tank foam pourers, Sprinkler systems, foam bladder tanks, venturi based balanced pressure proportioner for foam induction in the water line, bund wall foam pourers).

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

<b>Name of Project:</b>	<b>Construction of New Fuel Terminal/Depot (20.5 Million Litre Capacity)</b>
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Date: August 2012  
 Location: Solwezi, Zambia  
 Client: MINISTRY OF ENERY, REPUBLIC OF ZAMBIA  
 Project Features: Construction of a new provincial depot for strategic oil reserves  
 Position held: Civil Engineer/Project Manager      Company: Dalbit International & Belgravia Services Ltd

**Activities** Detailed Design and Construction of a Strategic fuel reserve terminal for storage and distribution of petroleum products, The scope included the Site feasibility studies together with geotechnical investigations. Above ground vertical steel tanks construction (5No Tanks, 2x5Million litres Diesel tanks, 2x2.5million Litres Petrol tanks and 500,000litres Kerosene Tanks), complete with self supporting dome roofs, and including an internal floating roof.

Design and construction supervision of a Reinforced concrete bund wall, Fueling Gantry concrete flooring, Access roads, Rigid pavement parking, Perimeter walling, elevated water tanks, contaminated water and storm water drainage facilities and Pump sheds

Design and construction supervision of fuel piping support systems, centrifugal pump bases, Gantry Steel structure for bottom loading facilities, Office block buildings for Depot administration staff.

Design and construction of a modern fire fighting system for the entire terminal including, 1.5million litre vertical water tank, complete with fire water pumps, jockey pumps and standby diesel water pump, foam facilities (tank foam pourers, Sprinkler systems, foam bladder tanks, venturi based balanced pressure proportioner for foam induction in the water line, bund wall foam pourers).

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Ndola fuel Terminal  
 Date: October 2011  
 Location: Bwana Mkubwa, Ndola, Copperbelt Province, Zambia  
 Client: MINISTRY OF ENERY, REPUBLIC OF ZAMBIA  
 Project Features: Rehabilitation and upgrade of the Fueling facilities  
 Position held: Civil Engineer/Project Manager      Company: Dalbit International & Belgravia Services Ltd

**Activities** Detailed Design and Construction of a upgrade facilities for storage and distribution of petroleum products, The scope included the Site feasibility studies together with geotechnical investigations. Above ground vertical steel tanks inspection and repair as per API 653 and API 650, (10No Tanks, with a total installed capacity of 96Million Litres), complete with self supporting dome roofs, internal floating roof, and External floating roof.

Design and construction supervision of a Fueling Gantry concrete flooring,

Access roads, Rigid pavement parking, elevated water tanks, contaminated water and storm water drainage facilities and Pump sheds

Design and construction supervision of fuel piping support systems, centrifugal pump bases, Gantry Steel structure for bottom loading facilities.

Design and construction of a modern fire fighting system for the entire terminal including, foam facilities (tank foam pourers, Sprinkler systems, foam bladder tanks, venturi based balanced pressure proportioner for foam induction in the water line, bund wall foam pourers).

Emergency Response facilities construction and equipment installation, including election of towers for mounting Audible and visual signals, Carbon suppression systems.

Design and installation of a modern Terminal automation system and spill prevention system that includes the installation of tank level gauges, high level and low level alarms.

Design and construction of a Rail loading gantry with bottom loading facilities. Structure includes the construction of a loading elevated plat form, staircases and Guard rails

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

<b>Name of Project:</b>	<b>Rehabilitation and Upgrade of Indeni bitumen Refinery</b>	
Date:	October 2011	
Location:	Bwana Mkubwa, Ndola, Zambia	
Client	MINISTRY OF ENERY, REPUBLIC OF ZAMBIA	
Project Features	Rehabilitation and Revival of the Indeni Bitumen refinery	
Position held	Civil Engineer/Project Manager	Company: Dalbit International & Belgravia Services Ltd

**Activities**

Detailed Design and Construction of a fuel oil tank for the bitumen refinery. The scope included the Site feasibility studies together with geotechnical investigations. Above ground vertical steel tanks construction (2No Tanks, 11 Million litres Fuel oil tank, 400,000 Litres Fuel tank), complete with self supporting dome roofs.

Design and construction supervision of a Reinforced concrete bund wall, contaminated water and storm water drainage facilities and Pump sheds

Design and construction supervision of fuel piping support systems, centrifugal pump bases.

Design and construction of a Hot Oil Furnace Reinforced support structure. The hot oil furnace consists of a 22m High structure. With a piling foundation following geotechnical investigation and analysis. Pile design and analysis including the pile cap and stub columns.



**Name of Project:** **Storage upgrade and Aviation fuel facilities installation**  
**Date:** September 2012  
**Location:** Lubumbashi, Katanga province, Democratic Republic of Congo  
**Client** CONGO PETROL LTD  
**Project Features** Construction of a new provincial depot for strategic oil reserves  
**Position held** Civil Engineer Company: Dalbit International & Belgravia Services Ltd

**Activities** Detailed Design and Construction of an Aviation fuel reserve terminal for storage and distribution of JET A1 and other petroleum products, The scope included the Site feasibility studies together with geotechnical investigations. Above ground vertical steel tanks construction (3No Tanks, 2x2Million litres Diesel tanks, 1x500,000 litres JET A1 tank), complete with self supporting dome roofs, and including a floating suction.

Design and construction supervision of a Reinforced concrete bund wall, Fueling Gantry concrete flooring, Access roads, Rigid pavement parking, Perimeter walling, elevated water tanks, contaminated water and storm water drainage facilities and Pump sheds

Design and construction supervision of fuel piping support systems, centrifugal pump bases, Gantry Steel structure for bottom loading facilities, Office block buildings for Depot administration staff.

Design and construction of a modern fire fighting system for the entire terminal including, 500,000 litre vertical water tank, complete with fire water pumps, jockey pumps and standby diesel water pump, foam facilities (tank foam pourers, Sprinkler systems, foam bladder tanks, venturi based balanced pressure proportioner for foam induction in the water line, bund wall foam pourers).

Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.

Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** **Upgrade of Shell Service station.**  
**Date:** February 2013  
**Location:** Mugumo Shell Service, Nyeri town  
**Client** VIVO ENERGY KENYA LTD  
**Project Features** Service station upgrade works and Remodeling  
**Position held** Civil Engineer/Project Manager Company: Kent Africa Ltd

**Activities** Service station upgrade works for the drainage, forecourt and service buildings  
Design of civil works, preparation of bill of quantities for civil works,



supervision of construction of Buildings, forecourt and storm water drainage.  
 Measurement of earthworks and other civil works  
 Preparation of the Bill of quantities and contract award to various contractors.  
 Site supervision of the construction works and project control  
 Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.  
 Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service station.  
**Date:** March 2013  
**Location:** Madaraka Shell Service, Nairobi  
**Client:** VIVO ENERGY KENYA LTD  
**Project Features:** Service station upgrade works and drainage works  
**Position held:** Civil Engineer/Project Manager      Company: Kent Africa Ltd

**Activities:** Service station upgrade works for the drainage, forecourt and service buildings  
 Design of civil works, preparation of bill of quantities for civil works, supervision of construction of Buildings, forecourt and storm water drainage.  
 Measurement of earthworks and other civil works  
 Preparation of the Bill of quantities and contract award to various contractors.  
 Site supervision of the construction works and project control  
 Development, implementation and management of Site Health, safety, security and environmental procedures and systems to ensure projects are delivered with no litigation or reputational exposure to the organization.  
 Contract Management, specifically in the procurement and tendering process, supplier attraction/selection, negotiations, contract formulation, contract key performance indicators.

**Name of Project:** Upgrade of Shell Service station.  
**Date:** June 2013  
**Location:** Links Rd Nyali Mombasa  
**Client:** VIVO ENERGY KENYA LTD  
**Project Features:** Design and drawings for Station Rebuilt  
**Position held:** Civil Engineer/Project Manager      Company: Kent Africa Ltd

**Activities:** Detailed designs and drawings for the rebuilding of the service station complete with new buildings, fuelling canopy, forecourt, new underground tanks, service bays, carwash and driveways  
 Preparation of the Bill of quantities and cost estimates for the project on behalf of the client

**Name of Project:** Upgrade of Shell Service station.  
**Date:** July 2013  
**Location:** Kileleshwa Shell Service Station  
**Client:** VIVO ENERGY KENYA LTD  
**Project Features:** Design and drawings for Station Rebuilt  
**Position held:** Civil Engineer/Project Manager      Company: Kent Africa Ltd

**Activities:** Detailed designs and drawings for the rebuilding of the service station

complete with new buildings, fuelling canopy, forecourt, new underground tanks, service bays, carwash and driveways  
Preparation of the Bill of quantities and cost estimates for the project on behalf of the client

**Name of Project:** **Construction of Shell Service station.**  
**Date:** October 2013  
**Location:** Northern Bypass, Ruiru  
**Client** VIVO ENERGY KENYA LTD  
**Project Features** Design and construction of New Shell Service Station  
**Position held** Civil Engineer/Project Manager **Company:** Kent Africa Ltd

**Activities** Detailed designs and drawings for the Construction of the service station complete with new buildings, fuelling canopy, forecourt, new underground tanks, service bays, carwash and driveways  
 Preparation of the Bill of quantities and cost estimates for the project on behalf of the client  
 Site supervision of the construction works and project control, Contractor supervision and management on behalf of the client

**Name of Project:** **Construction of Delta Service station.**  
**Date:** October 2014  
**Location:** Northern Bypass, Ruiru  
**Client** GALANA OIL KENYA  
**Project Features** Design and construction of New Delta Service Station  
**Position held** Civil Engineer/Project Manager **Company:** Kent Africa Ltd

**Activities** Detailed designs and drawings for the Construction of the service station complete with new buildings, fuelling canopy, forecourt, new underground tanks, service bays, carwash and driveways  
 Preparation of the Bill of quantities and cost estimates for the project on behalf of the client  
 Site supervision of the construction works and project control, Contractor supervision and management on behalf of the client

**Name of Project:** **Construction of Delta Service station.**  
**Date:** October 2015  
**Location:** Mugutha, Thika Superhighway  
**Client** GALANA OIL KENYA  
**Project Features** Design and construction of New Delta Service Station  
**Position held** Civil Engineer/Project Manager **Company:** Kent Africa Ltd

**Activities** Detailed designs and drawings for the Construction of the service station complete with new buildings, fuelling canopy, forecourt, new underground tanks, service bays, carwash and driveways  
 Preparation of the Bill of quantities and cost estimates for the project on behalf of the client  
 Site supervision of the construction works and project control, Contractor supervision and management on behalf of the client

**Name of Project:** Construction of Delta Service station.

Date: 2016  
 Location: Rironi, Waiyaki Way  
 Client: GALANA OIL KENYA  
 Project Features: Design and construction of New Delta Service Station  
 Position held: Civil Engineer/Project Manager      Company: Kent Africa Ltd

Activities: Detailed designs and drawings for the Construction of the service station complete with new buildings, fuelling canopy, forecourt, new underground tanks, service bays, carwash and driveways  
 Preparation of the Bill of quantities and cost estimates for the project on behalf of the client  
 Site supervision of the construction works and project control, Contractor supervision and management on behalf of the client

Name of Project: Knock Down Rebuilt Viwandani Shell SS.  
 Date: 2017  
 Location: Industrial Area  
 Client: VIVO ENERGY KENYA LIMITED  
 Project Features: Design and construction of Viwandani Shell Service Station  
 Position held: Civil Engineer/Project Manager      Company: Kent Africa Ltd

Activities: Detailed designs and drawings for the Construction of the service station complete with new buildings, fuelling canopy, forecourt, new underground tanks, service bays, carwash and driveways  
 Preparation of the Bill of quantities and cost estimates for the project on behalf of the client  
 Site supervision of the construction works and project control, Contractor supervision and management on behalf of the client

Name of Project: Knock Down Rebuilt Total Kiserian SS.  
 Date: 2018  
 Location: Kiserian  
 Client: TOTAL KENYA LIMITED  
 Project Features: Design and construction of Kiserian Total Service Station  
 Position held: Civil Engineer/Project Manager      Company: Kent Africa Ltd

Activities: Detailed designs and drawings for the Construction of the service station complete with new buildings, fuelling canopy, forecourt, new underground tanks, service bays, carwash and driveways  
 Preparation of the Bill of quantities and cost estimates for the project on behalf of the client  
 Site supervision of the construction works and project control, Contractor supervision and management on behalf of the client

#### 14. COMPUTER LITERACY

Knowledge and working experience of the following software

- StaadPRO structural analysis software for steel design
- Prokon structural analysis software
- MS Project management software
- AutoCAD Drawing software
- MS Excel, MSWord & WordPerfect

**15. HEALTH, SECURITY, SAFETY & ENVIRONMENT BACKGROUND**

Trained, Knowledge level and working experience for the following

- Occupational Health and safety local requirements
- Safety Management – HSSE-MS, HEMP, HAZID,
- Hazards and Effects Management Procedure
- Accredited Permit to Work issuer – Shell Global

**16. LANGUAGES AND DEGREE OF PROFICIENCY:**

	<u>Reading</u>	<u>Writing</u>	<u>Speaking</u>
English	Excellent	Excellent	Excellent
Kiswahili	Excellent	Excellent	Excellent
French	Learning	Learning	Learning

**17. OTHER QUALIFICATIONS**

- Holder of a Clean and Valid Kenya and international Driving licence since 1999
- Holder of a Valid Kenyan Passport
- Defensive Driving Training

**18. REFEREES**

- **Eng. D.M.Wanjau**, P.O. Box 41346, 00100 Nairobi. 0202729326, Email: [dmwanjau@uonbi.ac.ke](mailto:dmwanjau@uonbi.ac.ke) Cell: +254722751123
- **Ms.Lena Munuve**, Retail Manager, Vivo Energy Kenya. Email: [Lena.l.munuve@vivoenergy.com](mailto:Lena.l.munuve@vivoenergy.com) Tel: +254722850227
- **Dr. Eng. Anthony Monda**, TKM Maestro P.O. Box 9697, 00100 Nairobi. Cell: +254722884576
- **Eng. Samuel K. Ngari**, Senior Lecturer, Department of Civil and Construction Engineering: Cell +254722852053, Email: [snkibocha@uonbi.ac.ke](mailto:snkibocha@uonbi.ac.ke)

**19. CERTIFICATION**

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Day/Month/Year

Full name

: **PHILIP NG'ARU MURUNGI,**