



COMPANY **PROFILE** 2024

www.lubaconsulting.co.za

LUBA CONSULTING ENGINEERS

Welcome to Luba Consulting Engineers where engineering excellence meets innovative solutions. With over 8 years of experience, we have built a reputation for delivering high-quality consulting services across various sectors, including commercial, industrial, residential, and health. Our team of expert engineers and industry professionals are dedicated to understanding our clients' unique challenges and providing tailored solutions that drive efficiency and sustainability. We emphasise collaboration, leveraging cutting-edge technology and industry best practices to ensure project success from concept to completion.

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ABOUT US

Luba Consulting Engineers is a well-established electrical and mechanical engineering consulting firm dedicated to providing innovative and sustainable solutions across various sectors. Established in 2016 with the purpose of addressing the growing demand for innovative engineering solutions in a rapidly evolving marketplace. With a team of more than 14 years of experience in the industry, we specialise in: Electrical and Electronic building services, Mechanical and Fire building services, and Contract Management and Administration. We also offer expertise in the areas of Solar PV System design for Grid-Tied and Off-Grid Solutions and Project Management.

Our commitment to excellence and client satisfaction drives us to deliver tailored services that meet the unique needs of each project. We leverage advanced technology and industry best practices to ensure efficiency, safety, and environmental responsibility. We strive to build long-lasting partnerships, fostering open communication and trust throughout every phase of the project. By prioritising continuous improvement and professional development, we aim to stay at the forefront of the industry, anticipating future challenges and opportunities.

The following is an overview of our services:

1. Electrical Engineering building services
2. Electronics Engineering building services
3. Energy efficiency and optimization
4. Mechanical and Fire Engineering building services
5. PV Solar System design
6. Contract Management and Administration

MISSION

At Luba Consulting, our mission is to deliver innovative and sustainable electrical and mechanical engineering solutions that empower our clients to achieve their goals. We are committed to excellence, integrity, and collaboration, ensuring that every project is approached with a focus on safety, efficiency, and environmental responsibility. Our team of experienced engineers leverages cutting-edge technology and industry best practices to provide tailored solutions that meet the unique needs of each client. At Luba Consulting, we strive to build lasting partnerships, create value for our clients, communities, and the environment, while contributing to a sustainable and electrified future.



COMPANY OVERVIEW

- 100% Historically Disadvantaged Individual (HDI) Shareholding
- 60% Black Women Equity Shares
- Staff Complement of more than 10 people
- 125% BBBEE Procurement Recognition Level; Status: Level 1 Contributor
- Professional Indemnity Insurance Cover
- Quality Management System ISO 9001: Certification in progress

The firm strives to achieve excellence in all the services which it provides and to provide meticulous attention to detail whether the project is large or small.

It is an independent company with no obligations to, or ties with any commercial concern, which could influence its professional judgement, recommendations or decisions.

Our company offers equal opportunity in terms of qualifications for the appointment of staff with the most suitable qualification as selection criterion.



OUR TEAM

MPHILISI SIGONYA (MANAGING DIRECTOR)

Pr. Tech Eng

Mr. Mphilisi Sigonya serves as the Acting Managing Director with 13 years of extensive experience in the field of Electrical and Electronics Engineering. He is responsible for the electrical, electronic building services, and IT design, as well as contract administration and management.

MORGAN HAVIRE (ASSOCIATE)

B. Tech Eng Elec., MCIBSE (UK), ECSA, SAIEE

Mr. Morgan Havire is a qualified electrical engineer with extensive experience in Design and Engineering Estimation. He has been active in the industry for the past 25 years and has significant expertise in Project Engineering and Management.

STENFORD MUTARINGE

Pr. Eng, BSc (Hons), AIFireE

Mr. Stenford Mutaringe, brings 30 years of industry experience to his role. A qualified mechanical engineer, he has extensive expertise in Design and Engineering Estimation. Additionally, Mr. Mutaringe possesses significant skills in Project Engineering and Management.

NINI MOFELE

Dip. Electrical

Ms. Nini Mofele is a Senior Electrical Technician with 8 years of experience and hold a Diploma in Electrical Engineering.



CORPORATE OBJECTIVES

CLIENTS

To provide a professional service of the highest standard that meets the client's requirements with regard to costs, duration and management.

COMMUNITY

To undertake projects in cooperation with communities in order to meet the needs and aspirations, to provide employment opportunities which contribute towards the overall benefit of the country.

ENVIRONMENT

To design and manage the implementation of projects in such a manner as to minimise any pollution, harm to the environment, or ecological disturbance; furthermore, to strictly adhere to the regulations of relevant authorities.

RESOURCES

To maintain a well-qualified and efficient staff complement through the provision of good remuneration packages, pleasant working conditions, recognition, excellent resources, efficient leadership and a collaborative and supportive work environment.

STAFF EMPOWERMENT

Empower previously disadvantaged individuals to develop their knowledge and skills through an accelerated growth path to reach top management level. The primary focus is placed on previously disadvantaged females.

LONG TERM OBJECTIVE

To continually meet the objectives listed above and to maintain growth, but yet to remain small enough to still manage, at management level, each project in all its phases: report, design, documentation, project management and administration.

In essence therefore, we strive to ensure that at the completion of a project, all parties involved will be satisfied with the service and the end product, which was produced on time and within budget.



MULTI-DISCIPLINARY SERVICES OFFERED

In line with our core services listed above Luba Consulting Engineers (LCE) offers a wide range of consulting services in the disciplines of electrical and electronic engineering.

These include:

- Inspections, investigations audits, desktop and feasibility studies
- Consultation and liaison with relevant municipal and supply authorities
- Conceptual design and budget estimates
- Detailed design and specifications
- Design and extensive services coordination
- Tendering and tender adjudication
- Procurement and contract management
- Contractor claims and payment certification
- Comprehensive cost management and reporting
- Dedicated site engineering services
- Quality control and assurance
- Witness testing, commissioning and Integrated Systems Testing
- Manuals and handover documentation

EXPERIENCE AND EXPERTISE

Luba Consulting Engineer's range of experience and expertise fall into the five groups categorised below. Details of relevant experience and including specific projects are presented below.

EXPERIENCE AND EXPERTISE

1. ELECTRICAL AND ELECTRONIC ENGINEERING INFRASTRUCTURE

- Low voltage distribution and reticulation
- Transformer installations
- Medium voltage switchgear
- Medium voltage distribution and reticulation
- Standby generator installations
- UPS and DC systems
- Lightning protection and earthing
- Lighting & small power installations
- Fire detection and protection
- Access control and CCTV

2. ENERGY EFFICIENCY AND OPTIMISATION

- Building evaluation and certification to SANS 204
- Basic and comprehensive energy audits
- Monitoring and energy modelling of energy usage down to individual mechanical and electrical systems
- Financial modelling of possible energy saving initiative
- Investigation into all possible tax incentives, rebates and subsidies
- Electricity tariff and energy cost risk analysis
- Maintenance and life cycle cost analysis
- Metering and verification
- Building control and optimisation
- Energy optimisation
- Energy efficient HVAC and lighting systems

3. MECHANICAL ENGINEERING INFRASTRUCTURE

Plumbing

- Hot and Cold water supply – Pipe Reticulation
- Drainage – Pipe Reticulation
- Cold water storage
- Hot water storage – Bulk hot water generator – Heat pumps – As required
- Waste water storage and installation of recycled water system
- Rain water storage and installation of secondary water system
- Water Treatment plant – As required
- Grey Water Treatment
- Black water Treatment

Fire Protection and Rational Fire Design

- Fire Plans to show all Fire Equipment, Fire Escapes Routes and Fire Signage
- Automatic Sprinkler Installation
- Smoke Control / Smoke Ventilation
- Water supply for Fire Protection Services
- Water Storage and Pumped Supply
- Rational Fire Design

Heating Ventilation and Air-Conditioning (HVAC) and Refrigeration

- Air-Conditioning Systems (DX, Chilled Water, Thermal Storage, etc.)
- Close Control and Comfort Cooling
- Cold and Freezer Rooms
- Ventilation Installation
- Heat Reclaim Ventilation
- Humidity Control

4. CONTRACT MANAGEMENT AND ADMINISTRATION

- Cost Estimates
- Bill Of Quantities
- Tender And Contract Documents
- Contract Award And Administration
- Construction Monitoring And Supervision
- Dispute Resolution, Claims Evaluations And Construction Adjudication
- As Built Records And Drawings



PROJECT EXPERIENCE

CURRENT PROJECTS



Client	Project Description	Project value	Location
Vereeniging Taxi Facility (Present)	Initiation and briefing, concept and viability, design development, tender and procurement, implementation, and close-out	R 3 million	Vereeniging, Gauteng, South Africa
Vaalwater Waste-Water Treatment Works (Present)	Initiation and briefing, concept and viability, design development, tender and procurement, implementation, and close-out	R 2.5 million	Vaalwater, Limpopo, South Africa
Grace Bible Church Upgrade (Present)	Initiation and briefing, concept and viability, design development, tender and procurement, implementation, and close-out	R 2 million	Soweto, Gauteng, South Africa
Khululekani Primary School (Present)	Initiation and briefing, concept and viability, design development, tender and procurement, implementation, and close-out	R 8.5 million	Krugersdorp, South Africa
University of Limpopo (2023 to Present)	Luba have been appointed as Electrical, Mechanical and Fire Protection Consultant for Voxinet Restaurant.	R 4 million	Limpopo, South Africa
Gauteng Department Of Infrastructure Development (GDID) (2023 to Present)	Full refurbishment of existing Khululekani Primary School consisting of all blocks, admin building, hall and sports field. Luba have been appointed as Electrical, Electronics and ICT Services Consultant and are responsible for the above-mentioned consulting services and implementation on the project.	R 15 million	Gauteng, South Africa
Ndhvi Trading Enterprise (2023 to Present)	Newly constructed house dwelling including offices, gym, dwelling and swimming pool area exceeding 1800m². Luba has been appointed as Electrical Consultant and is responsible for the above mentioned.	R 6 million	Pretoria, Gauteng, South Africa
Two Mountains Burial Services (2021 to Present)	Newly constructed mortuary consisting of office areas, 30 freezers, body viewing room, casket storages, consultation rooms, post mortem room, kitchen area, and circulation areas. Luba has been appointed as an Electrical and Electronics Consultant and are responsible for the above-mentioned consulting services and implementation of this project.	R 5.5 million	Parktown Gauteng, South Africa
The Dawn Village Hub (2021 to Present)	Full refurbishment of existing The Dawn Village Hub consisting of eight floors, 212 sleeper units, a retail section, office space, and circulation areas. Luba has been appointed as an Electrical and Electronics Consultant and is responsible for the above-mentioned consulting services and implementation on this project (Stages 3, 5, and 6 only).	R 6 million	Pretoria, Gauteng, South Africa

Client	Project Description	Project value	Location
115 Solutions Pty Ltd (2021 to Present)	Full refurbishment of existing Reticulation network on FNB building, CLM, and DJ Duplessis at Wits University. Luba has been appointed as Electrical Consultant and is responsible for the above mentioned.	Electrical Services	Midrand, Gauteng, South Africa
Mapchief Trading (2021 to Present)	Newly constructed Ha Bo Rona Student Accommodation consisting of three floors, 72 sleeper units, a guard house, and circulation areas. Luba has been appointed as an Electrical and Electronics Consultant and is responsible for the above-mentioned consulting services and implementation of this project.	R 3 million	Pretoria Gardens, Gauteng, South Africa
Greyline Holdings (Pty) Ltd (2021 to Present)	Newly constructed Thuto Residence consisting of three floors, 52 sleeper units, a guard house section, office space and circulation areas. Luba have been appointed as Electrical and Mechanical Consultant and are responsible for the above-mentioned consulting services and implementation on this project.	R 6 million	Pretoria Gardens, Gauteng, South Africa
Maranje Consulting CC (2021 to Present)	Newly constructed Community Tourism Resorts in three villages (Mapate, Mtiti, and Tshathogwe) consisting of Restaurants, Guest Suites, Offices, Camping sites, Parking, Refuse, and Boma areas. Luba has been appointed as an Electrical and Mechanical Consultant and is responsible for the above-mentioned consulting services and implementation of this project.	R 6 million	Midrand, Gauteng, South Africa
Mirumba Consulting (Pty) Ltd (2018 to 2019)	Newly constructed Boutique Hotel including Offices, Delux Suite, Executive Suite, Conference rooms, Boardrooms, Cooking Bay and Circulation area exceeding 2500m ² . Luba have been appointed as Electrical and Electronic Consultant and are responsible for the electrical and electronic consulting services and implementation on this project.	R 3.1 million	Limpompo, South Africa
Mabindu Bedworth Park Student Accommodation One Pty Ltd (2018 to 2019)	Newly constructed Vereeniging Student Housing Residential blocks (Ground and First Floor), Laundry, Guard House, Refuse and circulation area exceeding 460m ² . Luba have been appointed as Electrical and Electronic Consultant and are responsible for the electrical and electronic consulting services and implementation on this project.	R 700k	Vereeniging, Bedworth Park, South Africa
Mr and Mrs Mavuka (2019 to 2020)	Newly constructed house dwelling including offices, gym, dwelling and swimming pool area exceeding 630m ² . Luba have been appointed as Electrical and Electronic Consultant and are responsible for the electrical and electronic consulting services and implementation on this project.	R 1.1 million	Parklands, Gauteng, South Africa

Client	Project Description	Project value	Location
Tess Projects (2017)	<p>Newly constructed house dwelling including offices and swimming pool area exceeding 700m².</p> <p>Luba have been appointed as Electrical and Electronic Consultant and are responsible for the electrical and electronic consulting services and implementation on this project.</p>	R 600k	Mphato, Mpumalanga, South Africa
Grace Bible Church (2019 to Present)	<p>Full refurbishment of existing church and offices area exceeding 1500m²</p> <p>Luba have been appointed as Electrical, Mechanical and Fire Consultant and are responsible for the above mentioned consulting services and implementation on this project.</p>	R 3 million	Sunninghill, Gauteng, South Africa

SERVICES APPROACH



SERVICES APPROACH

PROJECT CONTROL

Every project is supervised by a Director, who is personally responsible for technical accuracy, quality control and cost management.

TEAMWORK

All Luba personnel are actively encouraged to raise any issues as they are identified and be pro-active in resolving them.

DESIGN DEVELOPMENT

Luba add value to the team by taking a lead role in the conceptual design and contributing positively across all disciplines. All designs are constantly reviewed and optimised through out the design process.

SUSTAINABILITY

Our designs are environmentally cognisant and focus on achieving the best practical energy efficiency, with the lowest possible impact to our environment.

TOOLS AND RESOURCES

Luba ensure that the latest software is available to all personnel. All personnel work on the same software version of Microsoft Office Professional and Windows 7 Pro. AutoCAD 2014 is deployed across all CAD work stations.

RESEARCH AND DEVELOPMENT

A significant portion of company resources are directed into the research and development of new and innovative technologies and methodologies.

CONTINUOUS LEARNING

A culture of continuous learning in Luba contributes towards progressive designs. Luba promotes continuous learning and focused training, managed through the QMS.

HEALTH AND SAFETY

Luba promotes a culture of health and safety awareness to ensure a harm-free working environment.



INSURANCES

Luba Consulting Engineers carry Professional Indemnity (PI) through Budget Insurance Company.

A copy of the insurance policy is available on request.

Key Professional Indemnity Liability Insurance Cover details are:

- Limit of Indemnity: R 5 million each and every claim
- Policy Period: 01 March 2024 to 01 March 2025
- Excess: R 10 000



