



COMPANY PROFILE

Physical Address

**1064 Arcadia Street
Ground Floor
Hatfield
0083**

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Postal Address

**P.O Box 65124
Erasmusrand
0165**

**Email: info@lesediconsulting.co.za
www.lesediconsulting.co.za**

BACKGROUND OF FIRM

Lesedi Engineering is Engineering Company, formed by competent previously disadvantaged Engineers, Technologists and Technicians. Seasoned principals with average industrial experience of over twenty years each lead it.

Lesedi Engineering is involved in various projects in:

- Consulting
- Construction- Turnkey Electrification
- Maintenance and Facilities Management.

MISSION AND PHILOSOPHY

Our business is electrical, electronic engineering and project management, specialising in development projects.

Underlying business principles include:

- ◆ commitment towards client satisfaction.
- ◆ to reinforce the capacity and expertise of our company by drawing resources from the disadvantaged communities we serve
- ◆ to develop and empower the local communities within which we work.

COMPANY DETAILS:

Registration No: 1998/024032/23

VAT Number: 4840178729

Professional Indemnity: Electrical / Mechanical
Broker: MIB Brokers
Underwriter: Lloyds
Policy No: PR01333
Amount: R5.0m

ECSA Registration No: 930215
ECSA Registration: 990309
SABTACO: 0310062
SACPCMP: B/546/2007
CIDB: (contractor no: 191117) 4EP PE

Banking: ABSA
Account Number: 4050593007
Branch Code: 630345

Share Holders

Name	Racial Group	Gender	ID Number	% Share Holding
Julian Louis Mashego	Black	Male	6609305713085	50%
Lambona Ferdinand Aphane	Black	Male	6402155472089	50%

ESKOM VENDOR NUMBER: 11039748**CITY POWER VENDOR NUMBER: LESE 01****TSHWANE MUNICIPALITY VENDOR NUMBER: 4258**

PRINCIPALS:

Name:	Lambona Ferdinand Aphone
Qualifications:	BSc Eng Electrical Engineering
Professional Registration:	Pr.Eng (930215)
Experience	22 years
Position:	Member
Name:	Julian Louis Mashego
Qualifications:	HND/ BSc (2009) Elect Engineering
Experience	23 years
Professional Registration:	Pr.CPM ©B546/2007
Position:	Managing Member
Name:	Brighton Mzondo (Pr Eng)
Qualifications:	B.Eng Electrical / Electronic
Experience	25 years
Professional Registration:	Pr Eng (990309)
Position:	Associate Member
Name:	Henry Tshiketsani
Qualifications:	HND Electrical Engineering
Professional Registration:	Pr Tech Eng (200830193)
Experience	23 years
Position:	Project Engineer
Name:	Sharples Mandebvu
Qualifications:	HND Electrical Engineering
Experience	15 years
Position:	Project Engineer
Name:	Innocent Jamba
Qualifications:	BSc Elect Engineering
Experience	4 years
Position:	Project Engineer
Name:	Cecil Ndzanga
Qualifications:	BTech Electrical Engineering
Experience	15 years
Position:	Project Engineer
Name:	Arnold Katende
Qualifications:	ND Draughting
Experience	6 years
Position:	Draughts Technician
Name:	Faranani Makhavhu
Qualifications:	S4 Electrical Engineering
Experience	5 years
Position:	Project Technician
Arnod	

SOCIAL RESPONSIBILITY POLICY

It is our intention to stimulate the interest of local residents in electrical engineering careers.

To that end, we undertake to do the following:

SPONSORSHIP OF STUDENTS

This applies to Technikon, Technical College or University students. Prospective students will be sponsored towards their tuition costs only.

In the event of an overwhelming response from prospective students, preference will be given to those who have already started their studies at tertiary level. The selection process will involve representatives from the community.

VACATION TRAINING

During vacations the sponsored students will work in the company, to increase their exposure to the technical working environment and to familiarise themselves with our operations. More importantly, they will work with a mentor within the company, to ensure that their career choices are well explained and planned.

FINAL PLACING

Upon completion of studies and training, the students will be offered employment within the company. Where there are no vacancies at that point in time, they will be free to join any organisation of their choice.

DISTRIBUTION SERVICES OFFERED:

Distribution Services Offered

Design and Project Management Services			
ELECTRIFICATION INFRASTRUCTURE	MAINTENANCE STRATEGIES	NORMALISATION AND REFURBISHMENT	REVENUE MANAGEMENT
<ul style="list-style-type: none"> • <i>Substations</i> 	<ul style="list-style-type: none"> • <i>Complete systems</i> 	<ul style="list-style-type: none"> • <i>Audits</i> 	<ul style="list-style-type: none"> • <i>Metering</i>
<ul style="list-style-type: none"> • <i>Distribution lines</i> 	<ul style="list-style-type: none"> • <i>Building Facilities</i> 	<ul style="list-style-type: none"> • <i>Cost benefit reports</i> 	<ul style="list-style-type: none"> • <i>Billing systems</i>
<ul style="list-style-type: none"> • <i>Underground systems</i> 		<ul style="list-style-type: none"> • <i>Funding options</i> 	<ul style="list-style-type: none"> • <i>Community participation</i>
<ul style="list-style-type: none"> • <i>Overhead systems</i> 		<ul style="list-style-type: none"> • <i>Refurbishment strategies</i> 	<ul style="list-style-type: none"> • <i>Revenue improvement strategies</i>
<ul style="list-style-type: none"> • <i>Street lighting</i> 		<ul style="list-style-type: none"> • <i>Project Management</i> 	<ul style="list-style-type: none"> • <i>Alternative technologies</i>
<ul style="list-style-type: none"> • <i>Highmast lighting</i> 		<ul style="list-style-type: none"> • <i>Networks Master Plans</i> 	
<ul style="list-style-type: none"> • <i>Sporting Facilities floodlighting</i> 			
<ul style="list-style-type: none"> • <i>Turnkey Electrification</i> 			
<ul style="list-style-type: none"> • <i>Developer Projects</i> 			

PROJECT EXPERIENCE:

Electrification of Townships:

Project Name	Client	Value (Rm)	Year
Syferfontein 290 stands	Eskom	0.90	1995
Rotterdam 2000 stands	Eskom	6.00	1996
Atteridgeville x6 400 stands	CPMSS	2.20	1999
Refilwe 700 stands	Cullinan TLC	2.00	1996
Tshitungulwane 878 stands	Eskom	3.40	1996
Moime 1142 stands	Eskom	3.20	1998
Mokomotse 400 stands	Eskom	1.50	1997
Perkebult 3020 stands	Eskom	6.50	1998/99
Mushi 254 stands	Eskom	2.00	1999
Kgobudi 950 stands	Eskom	2.90	1997
Vuka 3154 stands	Eskom	6.80	1998/99
Motsitle 400 stands	Eskom	1.01	1999
Tantanana 400 stands	Eskom	1.10	1999
Ga Maboi 610 stands	Eskom	1.42	1998
Sekuruwe 404 stands	Eskom	1.29	1998
Segopo 1400 stands	Eskom	3.01	2000/2001
Tshitava Electrification 500 stands	Makhado Municipality	1.80	2000
Mukhorro Electrification 310stands	Makhado Municipality	1.25	2001
Nkovani Electrification 800 stands	Eskom	2.40	2002/2003
Mohlakeng Ext.5 Electrification 2800 stands	Randfontein Municipality	7.56	2002/2003
Muledane Electrification 1315 stands	Eskom	4.10	2002/2003
Mqanduli Street Lighting	KSD Municipality	0.47	2003/2004
Tlhabane Street Lighting	Eskom	0.68	2002/2003
Tshipuseni Electrification 1500 stands	Eskom	4.65	2003/2005
Lady Frere 6 Electrification 2641 stands / Project Management	Eskom	11.80	2003/2004
Sterkspruit Electrification 6146 stands / Project Management	Eskom	24.50	2003/2006
RBA Villages Electrification 1000 stands	Eskom	3.20	2003/2004
Bongweni Village Electrification 400 stands	KSD Municipality	1.53	2003/2004
Maydene Farms Electrification 575 stands and Street Lighting	KSD Municipality	1.85	2003/2004
Ngwanallela Electrification 525 stands	Blouberg Municipality	2.40	2003/2004
Cala Phase 4 Electrification 2808 stands / Project Management	Eskom S Region	10.60	204/2006
Mevana Electrification Turnkey JV 1690 stands	Eskom S Region	6.80	2004/2005
Ngqeleni 2B Electrification 2609 stands /Project Management	Eskom S Region	9.90	2005/2006
Addney Electrification 250 stands	Blouberg Municipality	1.30	2004/2005
Bayswater Electrification 250 stands	Blouberg Municipality	1.42	2004/2005
Mosehleng Electrification 200 stands	Blouberg Municipality	0.85	2005 /2008
Nondweni Electrification 220 stands	Eskom	0.60	2005/2006
Mmakopa Electrification 192 stands	Eskom	0.98	2005/2006
Eisleben Ext 1 Electrification 200 stands	Eskom	1.02	2006/2007
Mongalo Electrification 262 stands	Blouberg Municipality	1.23	2007
Lemonside Electrification 247 stands	Blouberg Municipality	1.58	2007
Oldlongsigne Electrification 175 stands	Blouberg Municipality	0.59	2007 /2009
Sadu Electrification 180 stands	Blouberg Municipality	1.85	2007 /2009
Okhombe Electrification 838 stands	Eskom	6.79	2008 / 2009

Drycat Electrification 406 stands	Eskom	3.29	2008 /2009
Batshe Magala Electrification 323 stands	Eskom	2.62	2008 /2009
Leksand Javabu 286 stands	Eskom	2.32	2008 /2009
Sibiyangenkomo Electrification 160 stands	Eskom	1.30	2008 /2009
Thendela Phase 2 Electrification 150 stands	Eskom	1.22	2008 /2009
Orangedaal Electrification 130 stands	Eskom	1.05	2008 /2009
Emakanjini, Mafufumbe, Waverely Electrification – 385stands	Albert Luthuli Municipality	3.2	2009 /2010
Eastern Region Electrification Infills 850connections	Eskom Eastern Region	4.5	2010 to date
Kgotlopong Electrification 423stands	Tubatse Municipality	4.23	2010 to date
Commondale NB02	Eskom Eastern Region	6.5	2010 to date
Lusaka / Ntswele Mutsi Electrification 323	Elais Motsoaledi Municipality	3.0	2010 to date

Building Services:

	Client	Project Value(Rm)	Year
Electrical , Electronic and Mechanical Services Projects			
CCTV, Alarms Systems, Access Control, Fire Detection, Mechanical and Electrical Services			
MTN Head Office Park –Design only	MTN	100.00	2000/2002
Hillbrow Twilight Children’s Home Centre	CBPWD	2.00	2002/2003
Roodeplaat Agricultural Centre	PWD	0.06	2002/2004
New Mamelodi Hospital – Electrical and all Electronic Services	PWD	151.00	2003 /2008
Temba Hospital –additional wards	PWD	2.10	2003/2004
Philadelphia Hospital –additional wards	PWD	2.40	2003/2004
SAPS Shooting Ranges in Bisho ,Khysna, Pretoria	PWD	42.00	2003/2004
Mabopane Dube Police Station –Electrical / Mechanical	PWD	16.10	2003 to date
Klipgat Police Station -Electrical / Mechanical	PWD	19.00	2003 /2009e
Silverton Police Station -Electrical / Mechanical	PWD	21.00	2003 to date
Alrode JHB –Police Station	PWD	8.50	2003/2006
Pretoria High Court and Palace of Justice [RAMP] All Disciplines	PWD	11.80	2003/2008
Pretoria High Court Judges Chambers Air –Conditioning System	PWD	2.34	2004/2004
Same Werking Building Air Conditioning Mechanical/Electrical –Design	PWD	3.20	2003/2004
Randfontein Multi Purpose Centre Mechanical / Electrical	CBPWD	2.00	2003/2007
Soshanguve Multi Purpose Centre Mechanical / Electrical	CBPWD	2.00	2003/2006
Civitas Building Lifts Modernisation Mechanical / Electrical	PWD	32.50	2003 /2009
Tshwane South Military Base [RAMP] Mechanical/ Electrical – Design	PWD	4.50	2003/2004
Home Affairs Department {RAMP] Harrison Street – Mechanical / Electrical	PWD	21.50	2003/2004
Union Building Pretoria –Site Audit & Status Quo Report	PWD	11.20	2004/2006
Bushbuckridge New Municipal Offices –Electrical/Mechanical	BBR Municipality	11.80	2004/2007
Bushbuckridge Municipality High Masts	BBR Municipality	1.6	2006/2007
Orlando Stadium –Electrical / Mechanical / Electronic Services / Security Systems	JoburgCity	52.00	2005 / 2009
Ermelo Hospital- Electrical / Mechanical	PWD	6.50	2006/2007
Kaalfontein Primary School – Electrical / Mechanical	IDT	16.50	2006/2007
Diepsloot West Primary School – Electrical / Mechanical	IDT	16.50	2006/2007
Klipfontein Primary School – Electrical / Mechanical	IDT	16.50	2006/2007
Diepsloot Secondary School – Electrical / Mechanical	IDT	18.30	2007 to date
Fezile Dabi Stadium – Electrical, Electronic& Mechanical	Fezile Dabi Municipality	R85.00	2008 to date
Lenyenye Stadium Upgrading	Mopani Dist Municipality	R3.00	2009 to date
Kopanong Multipurpose Development- Electrical ,Electronic Mechanical and Wet Services	M&A Developers	R120.00	2009 to date
Tshwane University of Technology Building Services	TUT	R5.01	2010 to date

Substation Works:

Substations and MV Cable Network Design and Project Management			
Project Name	Client	Value (Rm)	Year
Module 5 JHB Northern Waste Treatment Plant 6.6kV	JHB Water	38.00	2004 /2009
New Mamelodi Hospital Substation	GPG Works	6.50	2003 / 2007
Messina Substation Upgrade	Eskom	15.30	2005 / 2008
Songloed 132/33kV 40 MVA substation upgrade	Eskom	12.80	2006 / 2008
Orlando Stadium Substation	Joburg City	1.10	2006 /2008
Tumahole Stadium Substation	Ngwathe Municipality	1.00	2008 to date
Alexandra 135MVA Substation Design and Construction	City Power	45.0	2009 to date

Network Refurbishment:

Project Name	Client	Value (Rm)	Year
Upgrading of 33/22/11/kV networks	Eskom	30.50	1994/2004
Makurung	Eskom		
Specon	Eskom		
Computer Centre	Eskom		
Makotse	Eskom		
Van der Merwe's kraal	Eskom		
LDC	Eskom		
Bolopa	Eskom		
Seleteng	Eskom		
Grootpunt Thabazimbi	Eskom		
Flamingo – Canterbury/Marseilles	Eskom	2.40	2002/2004
Kareebos – Kareebos	Eskom	2.45	2002/2004
Karrebos – Maroelabult	Eskom	2.30	2002/2004
Nantes – Pafuri	Eskom	2.00	2002/2004
SAB	Eskom	2.41	2002/2004
Palm – Enkelbos	Eskom	2.75	2002/2004
Hoedspruit	Eskom	2.85	2003/2004
Tlhabane Township Refurbishment	Eskom	11.50	2001/2003
Rebone Township Refurbishment	Eskom	2.10	2002
Ekundastria 11kV network upgrade	MEEC	4.20	2002/2003
Thoyohandou Area MV Covered Conductor Replacements	Eskom	2.80	2005/2005
Port Elizabeth Auto Reclosers Replacements	Eskom SR	7.80	2005/2006
Pietersburg Covered Conductor TSC Replacement	Eskom	2.10	2005
Maluti Mahube network upgrade	Eskom	2.20	2006 /2009

Standby Generator Supply Installations:

	Client	Project Value(Rm)	Year
New Mamelodi Hospital -750kVA	GPG	0.80m	2003 /2008
Mabopane Dube Police Station – 200kVA	PWD	0.25m	2003 /2009
Klipgat Police Station - 100kVA	PWD	0.15m	2003 /2009
Silverton Police Station - 650kVA	PWD	1.00m	2003 /2009
Pretoria High Court and Palace of Justice – 500kVA	PWD	0.52m	2003 /2008
Home Affairs Department {RAMP} Harrison Street – 500kVA	PWD	0.68m	2003/2008
Orlando Stadium – 1000kVA	Joburg City	1.45m	2005 /2008
Fezile Dabi Stadium -800kVA	Ngwathe Municipality	1.6m	2008 to date

Tools & Equipment

Software

- DESCRIPTION
- Reticmaster
- Microstation V8
- PowerDraft
- Autocad
- PowerOffice
- CART

Vehicles

- Various bakkies and sedan s

Tools

- | ITEM | DESCRIPTION |
|------|-------------------------|
| • | GPS logger |
| • | Load Analyzer |
| • | Digital Cameras |
| • | Binoculars |
| • | laser meters |
| • | measuring wheel |
| • | Laptops |
| • | Desk Tops |
| • | A0 Plotters |
| • | A4 printers |
| • | Earth Resistance tester |
| • | Working Earths |
| • | Electric Drills |
| • | Petrol Drills |
| • | Fall arrest Systems |
| • | Lux meter |

PROFILES OF PRINCIPALS

JULIAN LOUIS MASHEGO

Nationality: South African
Total experience: 23 years

Qualifications:

HND/BSc (2009) Electrical Eng
Project Management Diploma

Others:

Project Management Diploma
The Louis Allen Management, Supervision Program
Quality Surveillance Course Inc ISO 9000, Quality Management System
Microsoft Office Packages, Microsoft Office Project
Design Software, Retic Master, DT VoltDrop, Lighting design software (Relux)

EMPLOYMENT HISTORY

1999 to date: Lesedi Engineering Engineers

Managing Partner responsible for:

Designs, Electrification, Stadium/Street lighting, Normalisation and upgrading of lines Building Services and Substation Projects

Project Management. Project supervision and commissioning. Materials, Costs, Quality and Time Management and Budgeting Tender Adjudication and Contract award and management

Handling all Project Documentation, payment certificates, material orders, handover certificates, project closure and postmortem meetings. Chairing Project meetings. Coordinate with Contracts

Supervisors/Managers

Sourcing and Marketing for new clients (work) .Day to day running/managing of the business organization.

03.03.97 to 1999: Lamns & Associates Consulting Engineers

Design and Project Engineer responsible for:

Designs, Electrification, Stadium/Street lighting, Normalization and upgrading of lines Building Services and Substation Projects

Project Management. Project supervision and commissioning. Materials, Costs, Quality and Time Management and Budgeting Tender Adjudication and Contract award and management

Handling all Project Documentation, payment certificates, material orders, handover certificates, project closure and postmortem meetings. Chairing Project meetings. Coordinate with Contracts

Supervisors/Managers

Sourcing and Marketing for new clients (work).

01.02.95 to 28.02.97: Eskom

Project Co-ordinator/Quality Official and the work entailed:

To provide an effective site project management, quality and quantity service to support Project Management to ensure that all Capital Projects are completed within time, cost and quality (i.e. to standards).Substations, Lines and Electrification Materials management, verification of quantities according to Bill of Materials.

Attend project meetings, issuing site instructions on behalf of Project Manager, Effective communication with involved parties i.e. Contractors, Project Engineers, Project Managers and Consulting Engineers.

01.08.89 to 31.12.94: Cold Storage Company (Pty) Ltd

Assistant Branch Engineer / General Workshop Supervisor and work entailed:

Supervise workshop staff comprising Fitters, Electricians, Refrigeration Mechanics, Semi-Skilled Builder/Carpenter/ Plumber and Fitter, Assistants and Boiler Operators.

Maintenance and repairs to the following: Ammonia Industrial Refrigeration Plant Compressors, Pumps, Cold Rooms, Freezers, Valve Stations. Boiler and water pumps .Vacuum pumps, Air Compressors, Cookers, Mixers, Retorts. Instrumentation and Control Microprocessor Circular Chart Recorders, Steam Regulators P.L.C.'s, Rotary Pumps, Plate Heaters (i.e.sterilisers, evaporators, water heaters e.t.c).

(M.C.C.) Motor Control Centre.Metal Detectors, Packing and Sealing Can Machine. (MB6, MB1A, 226). Substations maintenance OCB's low voltage power factor correction equipment. Repairs of labeling and packing machines (i.e. tray loaders, erectors, check weigher,shrink wrapper and tunnel). Domino Ink Jet Printers. Implementation of a Planned Maintenance System. Issuing and compiling schedules and reporting plant performances. Compiling and controlling of Yearly Zero Based and Actual Budget for all Engineering

Operations within the plant. Reporting to Branch Engineer and relieved him in his absence.

01.02.88 to 25.09.89: Shabanie Mine

Engaged by Shabanie Mine as Trainee Technician / Engineer (Electrical).

Responsibilities: Maintenance and repairs to Pressure Packers (hydraulics), Chain conveyors, Crushers, Liquid Resistance Starters.Vibrators Screens, DC Drives, Relay Rack, M.C.C, Compressors, 3.3kV Ventilation fans Gantries, Standby Generator Stations.Soft starters, Star Deltas, DOLS, Auto transformer starting, Thyristor Speed Controllers, Forklifts.Transformers maintenance. Drying Plant Instrumentation and Control.Hoists maintenance,-Man and Materials Winders. Underground Electrical Installations, L.H.D's,battery and electric operated locomotives.

Memberships: **SABTACO – 0310062 ; SACPCMP: B/546/2007**

LAMBONA FERDINAND APHANE

Nationality: South African
Profession: Electrical Engineer
Total Experience: 22 years

Key Qualifications

Aphane holds formal qualifications in Electrical Engineering. He has managed several projects in areas such as reticulation and industrial systems planning, design, project management, construction management, operations and maintenance of electrical plant, logistical planning and management, quality system planning and auditing (ISO 9000) and Management Information Systems planning and design. Before founding PIC, he was trained by Eskom on power stations electrical systems, spanning over 11 power stations from the oldest to the latest generations.

His experience is of a diverse range, from government departments, public utilities, to private companies in South Africa and in the UK.

Education

Year	Degree	Area of Specialization	University
1989	BSc Eng.	Electrical Engineering	Natal Durban

Employment Experience

1999-	Lesedi PIC ;
1997-1999	Masana Aviation ;Managing Director
1994-1997	Lamns & Associates Consulting Engineers ,Founder, Managing Partner
1992	Eskom TUTUKA Power Station ,Plant Engineer ,Powergen plc ,Plant Engineer
1990-1992	Eskom , Design Engineer- Power Stations Engineering

Areas where competence developed

Managed several infrastructure projects in the following areas: -
- Financial control: - Marketing ; -Human Resources Development. :- Training
- Business Development and Client Liaison
- Electrical Systems Design: - Project Management
- Logistics planning and management

PROJECT EXPERIENCE PROFILE

1. POWER STATIONS EXPERIENCE

1.1. LIFEX PROJECT

Started as assistant engineer in the Power Stations Electrical Engineering Department was involved in a project to extend the lives of old power stations, namely project LIFEX.

Responsibilities included leading the system technical review for each plant and producing specialist reports to meet project requirements. The plant that was covered was all ancillary services, power reticulation, AC and DC systems, cranes and lifts, cabling and earthing, air-conditioning and ventilation, batteries and chargers, lighting, low pressure services, water treatment plant, ash plant, fuel oil plant, transformers and busbars.

The power stations that were involved in the study were Komati, Grootvlei, Hendrina, Ingagane and Arnot. These power stations represented a generation of old power stations in need of refurbishment and mothballing, to ultimately delay the building of new generating capacity.

Various maintenance procedures were performed on MV switchgear, conveyor belts, generator brushgear, MCC panels, batteries, mothballed drives, thermocouples linked to a data acquisition system, instrumentation, control simulators etc.

The last phase of the LIFEX project involved the implementation of some of the recommendations as assessed in the first phase.

1.2. PLANT ENGINEERING

As Systems Engineer in charge of modifications at Matimba and Kendal power stations (representing the latest generation of power plant) responsibilities were for all the Outside Plant.

1.3. POWER PLANT REFURBISHMENT BEST PRACTICE

Seconded to Powergen plc, the private generator spun off the Central Electricity Generating Board of the United Kingdom, on a CBI Scholarship. Brief was to study best practice regarding life cycle improvement of generating plant.

1.4. MODERN PLANT ENGINEERING

Appointed at the modern Tutuka Power Station as plant engineer responsible for engineering and modifications on all electrical plant (excluding maintenance aspects)

2. LOGISTICS

As Regional Logistics Manager for Rolling Stock responsibilities were for Asset Management (diesel and electrical locomotives plus wagons), Safety and Risk Management, Inventory Management, Contracts Management and Quality Management (ISO 9000).

Designed a Management Information System for usage by the regional Management Team on regional performance.

3. DISTRIBUTION ENGINEERING EXPERIENCE

Lamns Associates – founded the electrical consulting engineering company in 1994, focussing mainly on the “electricity for all” program by Eskom. Projects included rural schools electrification, township electrification, and refurbishment of distribution substations and lines. Projects completed by Lamns Associates exceeded R30 million.

Masana Aviation – was MD of the engineering company, which became the largest electrical reticulation infrastructure company in South Africa in 1998, one year after being involved in the company.

Refer to PROJECT PROFILE above for detailed distribution projects experience.

4. BUILDING SERVICES EXPERIENCE

Has been involved in various Public Works building projects, including Altona College, Atteridgeville Police Station and Magistrates Court, Bavianspoort Prison and Youth Centre (up to specification of all electrical works but excluding detailed design which was done by others), Malmesbury Prison (part of unsuccessful bid team up to detail design), temporary casinos at Nelspruit, Witbank and Sundome.

Recently involved in the R1 billion MTN Campus Development as electrical and electronic design team.

Scope of work includes power supplies, telecoms and data, security and access control, BMS etc.

5. MAINTENANCE MANAGEMENT EXPERIENCE

Overseeing on behalf of Gauteng Department of Health, the management of the paging network for hospitals and other emergency services. This includes responsibility for maintenance management of all high sites related to the network.

Responsible person for the electrical network including water and sewage plants, high voltage substation etc. at Ekandustria on behalf of Mpumalanga Economic Empowerment Corporation. This entails formulating all operations and maintenance strategies for the installed plant to ensure minimal disruptions.

Professional Membership

- Member 930215- Engineering Council of South Africa, as Professional Engineer.

HENRY TSHIKETSANI

Nationality: South African
Total experience: 23 years
Professional Engineering Technician: 200830193

Qualifications: National Diploma Electrical Engineering

Others:

Microsoft Office Packages, Microsoft Office Project
Design Software, Retic Master and Autocad

Responsibility: Project Management / Site Supervision / Contract Management.

2004-to date Lesedi Engineering Engineers

Projects Manager and duties

Project Management. Project supervision and commissioning. Materials, Costs, Quality and Time Management on Distribution ,Electrification, High mast lighting, Stadium/Street lighting, upgrading of lines , Building Services and Substation Projects

Preparing tender documents ,tender process implementation.

Carrying out tender adjudications .Supervising projects once underway. Processing of contractors progress payment claims

1997-2003 Henmag Engineering Services

Projects Manager / director

Costing of project once tender documents have been received .Designing electrical circuits and schematics from tender documents. Supervising installations on site underway and attending site meetings as required for the review of progress. Working on progress reports and acting on any delays on our side.

Processing progress payment claims for the company and liaising with the engineers on any variations

Testing building installations according to SAB 0142 wiring regulations..

1987-1997 National Railways

Electrical Foreman

In charge of more eight electricians and twelve semi skilled personnel. Ensuring that all work is done timorously and properly. Identifying training needs and recommending appropriate training where deficiency or performance discrepancy has been noted. Preparing budgets and making reconciliations every month. Making material requirements planning and quality control measures .performed isolations for maintenance and repairs

1987 – 1990 Electrical Technician

Inspecting substations, checking transformer protection relays and carrying out maintenance performing transformer tests .Performing cable faults tests inspection of high voltage circuit breakers servicing and recommending replacement of worn out parts or oil changes. Electrical installation work on domestic, commercial and industrial buildings. installation of standby generator power plants

BRIGHTON MZONDO

Responsibility: Design and Project Management.

ACADEMIC QUALIFICATIONS

B. Eng. (Electrical and Electronics), University of Wales, Wales, United Kingdom

PROFESSIONAL MEMBERSHIP

Engineering Council of South Africa (Member) - 990309

South Africa Institute of Electrical Engineers (Member)

EMPLOYMENT RECORD

2000 to date Associate Member Lesedi Consulting Engineers
1997 – 1999 C & R Engineers
1995 - 1996 Econet , Cellular Projects Section
1994 - 1995 Airlift Engineering , Projects Section
1990 - 1994 Zesa, Projects Division
1988 - 1990 Shawinigan Lavalin Inc. Botswana , Construction Section
1984 - 1988 Central African Power Corporation, Protection

PROFESSIONAL EXPERIENCE

2000 - date Lesedi Engineering Engineers

Manager responsible for design, documentation, supervision and administration of Electrical and Mechanical consulting engineering projects:

Manage CMIP projects for KSD Municipality. DME Audits on Electrification Projects in Limpopo Province
Project Management – Electrification of Newlands Township . Electrification of Residential and over 700 schools in Eatsrer Cape.Electrification of over 700 schools in Eastern Cape Region
High mast lighting, Community Street Lighting in Tabankulu and Mqanduli Town.
Design and documentation of Submergible Borehole pump schemes in Qunu villages

Between 1984-1999

Engineer in control of the Transmission Lines Section in the Projects Division.

Responsibilities included the following: Design, documentation, supervision and administration of 33kv lines and Substation projects .Design, documentation, supervision and administration of 132kv lines Projects.

Engineer in control of the Electrical construction projects section in the Company. Responsibilities included the following: Supervising erection of 11 and 33kV lines and substation at ;

Engineer in control of supervising installation of five cellular base stations

Responsibilities included; Locating suitable sites for base stations, Negotiating with land owners to get right of way ,Checking availability of power in the area. .

Making all the required applications for electricity to the power utility.

Assistant protection engineer , responsible for planning and carrying out

Responsibilities included maintenance of the following relay scheme:

Distance protection relays a total of six 330kV lines ,Earth fault relays for the lines ,Differential relays for all the transformers at the four substations ,Buchholz relays for the transformers

Planned and installed fault recorders and locators at 330kV Substations

CECIL NDZANGA

Nationality: South African
Experience: 15 years

Qualifications

B Tech Electrical Engineering

Tertiary Qualifications:

Name of Institution : Fachhochschule Fuer Technik und Wirtschaft (Berlin Germany)
Qualification : Electrical Engineer [Heavy Current]

Subject Passed:

Electrical Engineering, Electronics, Digital Systems, Mathematics, Electrical Machines, Industrial Electronics, Power Electronics, Control Systems, Electrical Distribution, Electrical Protection

Skills / Abilities

Can design HV MV and LV Reticulation lines and Networks, read & interpret electrical drawings e.g. Single Line Diagrams, System Planning Diagrams (SPD) and Schematics.

Can handle construction sites – Lines and Substations

Can estimate Project costs, budget and tendering.

Can manage contracts.

Highly computer literate ie. MS Project, MS Office, MS Excel , Power Point, PLSCADD and Bentley Microstation plus RETICMASTER

Experienced in Lines Construction, Maintenance & Commissioning - 10years of experience

Work Experience. 15 years

Position: company: years: date

Apprentice Electrician: Starkstrom Anlagenbau : Germany :2 years : 03/1990-02/1992

Project Technician: Noremco (Linjeberg AS): Tanzania: 3years: 03/1994-04/2002

Project T/Engineer: Eskom Holdings Pty Ltd: RSA : 10 years : 04/2002-02/2008

Employer

: Lesedi Engineering

Date : 01 March 2008

Type of Industry : Project Engineering Electrical transmission & distribution lines

Position Held : Project Engineer Designer and Co-ordinator

Duties:

Design of electrification Projects, Medium & Low Voltage

Design of Medium Voltage reticulation Lines

Presenting Projects for Technical evaluation

Cost estimation of Projects

Provide design brief and package to contractors and clerk of works

Provide site supervision

Training / mentoring of Graduates of Walter Sisulu University

Duties & Works Carried Out as a Project Engineer – April 2002 – February 2008

Design of MV and LV reticulation networks, Electrification and Building Services

Management, engineering and co-ordination of project teams, suppliers and contractors

Updating data and usage of internal Business Systems (SAP;K2;CAPITAL ASSIST;POWER OFFICE)

Contract budgeting and cost control

Invoicing and cash flow forecasting

Provide Project cost estimate and quotes for customer projects

Testing and commissioning of projects

Project close-out and final documentation

Duties & Works carried out as a Project Technician -March 1994 – April 2002

Reticulation Networks

Assembling of steel/wooden pole structures for lines
Assembling of Transformers, Switchgears and Substation ancillary Equipment up to 33kV
Testing of Transformers and Switchgears
Oil sampling and filtration
Stringing and installing of MV Side of the Substation
Installation of MV Outdoor Switchgear up to 33kv
Cable laying & termination of power cables & control cables
Commissioning of lines & substation plus maintenance

Lines Construction & maintenance of cable networks

Supervision of the construction of lines up to 33Kv
XLPE cable laying, jointing & termination up to 33Kv.
Fault locating using equipment
PVC SWA power & multi-core cable laying & termination
High & low voltage testing & commissioning of cable system

Employer

: Eskom

Date

: 01 June 1997 to 31 December 2008

Type of Industry

: Network Services [Project Engineering Department]

Position Held

: Project Engineer & Coordinator

Duties:

Responsible (supervising) for the Outputs of four Area Project Engineers (Application Designers)

And to compile Final Design Packages for Projects e.g. Refurbishment Projects and new assets to be constructed

Assist Customer Service with quotation of Projects and Customers

Perform engineering audits on plant

Liaise/co-ordinate with different Departments e.g. Protection, survey in coordinating and defining the scope of works for Projects

Provide contractors with information/briefing on how to implement new standards and programs plus advising them during construction.

Liaise with Substation designers when lines are involved

Involved in the design of electrification projects

Provide assistance regarding management of Projects

Oversee the execution including completion of Projects

Perform site/project audits and advise contractors when required

Training Engineers on Business Systems including maintenance of these systems