

AMALGAMATED ENGINEERING SOLUTIONS



CORPORATE PROFILE



Amalgamated Engineering Solutions



ABOUT THE COMPANY

Amalgamated Engineering Solutions (PTY) Ltd. is the company owned by Basotho, registered and based in Lesotho and founded in 2008. It is an engineering company undertaking engineering consultancy and construction, Maintenance management, systems designs, projects, Engineering and technology Management and industrial supplies.

Our target industries are all mechanized industries supported by engineering, Building Services, Water industry, Production industry and Power industry.

It is our professional observation that in many industries recently, the role of the engineering discipline is misunderstood, and hence is being treated as an unnecessary cost center, as a non-value adding department, and as a dispensable skill, much to the detriment of companies that hold such views. The role of engineering is often left to individuals who do not have the requisite competence and aptitude. This scenario inevitably creates a real demand in the market, within the country and in the region, for professional engineering services, to 'clean up the mess' and to provide real, sustainable support to productivity.

1. OUR VISION

To be the most reliable and preferred solution provider for all technology & engineering needs countrywide and regionally

2. OUR MISSION

It is our mission to help our clients to improve the quality of their infrastructure, equipment and human comfort related to engineering projects and innovations. In this way, we enhance production, quality, and the joy of life.

3. OUR VALUES

In Amalgamated Engineering Solutions (PTY) Ltd.

- We don't compromise quality & standards
- We value your support
- Our customer is our future
- Innovation is a basis of our continuous improvement
- We strive for professional integrity

4. CUSTOMER FOCUS

Our customers are as diverse as our knowledge and stem from a wide range of industries that include Electrical Engineering, Mechanical Engineering, Industrial Engineering, Water Engineering as well as individual consumer goods and **Safety Equipment**.



We help them solve a long list of engineering problems - from water services, power systems dynamics, industrial needs, process control, safety etc. We assist our customers to operate profitably through our good product quality, speedy and reliable service at the reasonable cost.

Customer feedback is all-important to us - so by listening to, and working closely with our customers we respond to their needs in time.



5. SUPPORT

As share-subscribing owners and members of AES we have passion for engineering innovations, innovative solutions, practical perspective to live and application of appropriate technologies. Our commitment to you also includes on-site services, customer specific, on-site training based on your particular application, and access to our help line where all your queries are dealt with. We stock and supply our customers with essential material, equipment and spares necessary for your application. We offer you a reasonable service and maintenance contracts for various equipment.

One of our most valuable assets is the knowledge and expertise provided by our engineers and technicians. This allows us to offer a customer support philosophy that mirrors our total solution service strategy with development and support function to cover every link in the support chain.

We understand that ours is not just a solution provider but a service business. Our commitment does not end when you buy a service from us. We value your custom and feedback and feel responsible for keeping you up-to-date and up and running!

6. OUR BACKGROUND

We have varied background and experience gathered from years of practical operation, process control, project management, maintenance, planning and management of engineering infrastructure in a number of industries such as automotive industry, water industry, agricultural industry, electrical industry, building services and manufacturing industry.



7. KEY PERSONEL

Name : Moremi Sojane
Position : Managing Director
Qualification : M Sc. Technology Management (Candidate)
Institution : University of Pretoria
Qualification : B-Tech Mechanical Engineering
Institution : Central University of Technology
Qualification : Dip Mechanical Engineering
Institution : Lerotholi Polytechnic

Professional Registration

: South African Institute of Mechanical Engineers SAIMEchE

Work Experience:

Employer : Lesotho Brewing Company (4 yrs)
Position : Brewing & Utilities Engineer (Acting Engineering Manager)

Employer : Lerotholi Polytechnic (2 yrs)
Position : Lecturer

Employer : Ministry of Agriculture (Lesotho)
Position : Irrigation Engineer (1yr)

Employer : WASA (Water and Sewerage Authority) (6 yrs)
Position : Mechanical Maintenance Technician

Skills

- ✓ Project management
- ✓ Utilities & Energy Management
- ✓ Asset Management (Maintenance Management)
- ✓ Integrated Quality Management System (IQMS)
- ✓ Knowledge and implementation of world class manufacturing standards.
- ✓ Plant for process improvement.
- ✓ Systems Design
- ✓ Mechanical Engineering design & Manufacturing Engineering
- ✓ Computer aided drawing (CAD).
- ✓ SHEQ

Training

- ✓ Maintenance management software (COSWIN).
- ✓ Process control and automation.
- ✓ Process engineering.
- ✓ Asset management.
- ✓ Utilities management.
- ✓ PLC -Telemachanique TSX Macro
- ✓ Integrated performance management system
- ✓ Competence Acquisition Process (CAP)
- ✓ Crisis management

Name : Senatla Senatla

Position : Electrical Engineer

Qualification : B-Tech Engineering: Electrical (Power Engineering)
Specialization : Power Engineering
Institution : Tshwane University of Technology



Professional Registration

: Subject to Engineering Council of South Africa (ECSA)
&
South African Institute of Electrical Engineers (SAIEE)

Work Experience:

Employer : Dyelec Lesotho (PTY) LTD
Position : Design Technician

Employer : Lesotho Brewing Company
Position : Trainee Engineer

Employer : K R Consultants (PTY) LTD
Position : Operations Engineer

Skills:

- ✓ MV & LV distribution line design,
- ✓ 132/33kV Substation Construction,
- ✓ Buildings Electrical Reticulation and Services design,
- ✓ Artificial road lighting,
- ✓ 11kV Switching station design,
- ✓ Energy Management.
- ✓ Reliability Centered Maintenance Strategies
- ✓ Supervisory Skills,
- ✓ Power System Modeling & Power Factor Correction

Specialized Softwares

- ✓ (Power System Modeling Softwares:
Power World)
- ✓ (Power Electronics Modeling Software:
Simplorer)
- ✓ DIgSilent Power Factory

Training:

- ✓ Computer Aided Design: Microstation 95, J & v8; AutoCAD,
 - ✓ Computer Aided Reticulation for Townships (CART)
 - ✓ Electrical Fault analysis: Investigate the causes of voltage deviations and its effect on auxiliaries of generators, industrial loads and the stability of electrical power systems.
 - ✓ Cisco Certified Networking Associate (CCNA)
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Name : Motooane Thinyane

Position : Support Engineer (Non-executive Director)

Specialization : Project Management, Systems Design, Engineering Management

Qualification : Master of Engineering Management

Institution : University of Pretoria

Qualification : B Eng. (Hons) Mechanical Engineering

Institution : University of Loughborough

Professional Registration : SAIMEchE, ECSA

Work Experience

Employer : Lesotho Highlands Development Authority (on-going)
Position : Branch Manager 'Muela
Employer : Lesotho Brewing Company (5 yrs)



Position : Engineering Manager
Employer : WASA (10yrs)
Position : Cooperate Planner

Skills

- ✓ System Designs,
- ✓ Project Management,
- ✓ Process Management.
- ✓ Computer aided drawing (CAD),
- ✓ Engineering Management. Etc

Name : Nthateng Nkhasi
Rank : System Design Engineer
Specialization : System Design
Qualification : B Tech Mechanical Engineering
Institution : Central University of Technoplogy

Work Experience

Employer : LHDA
Position : Trainee
Employer : Lerotholi Polytechinc (8 yrs)
Position : Electrical Engineering Lecturer

8. PRODUCTS & SERVICE

Water Systems:

Domestic Water Purification Systems Solutions;



The system use state of the art technology to produce clean water for drinking, cooking and other household uses. These compact under-the-counter systems are complete with pre filters and post filters and come with a 3 gallon (14Ltr) storage tank and installation kit. **Low Maintenance, Hassle Free and Compact.**



Water Systems design & Installation



We design & Build control panels for pumps



Borehole pump installations.

Energy Supplies



Solar System for any application



All Generators, Transformers UPS, and Inverters



Engineering Projects

We design, supply, install and provide maintenance for various electromechanical engineering projects
SOME KEY PROJECTS INCLUDE;

Project	Approximate Value	Scope Includes	Output
Lesotho Revenue Authority / Dyelec Lesotho- Building Services 2010	M1.3m	Installation, termination and commissioning of LV Switchgear, LV Cables, Artificial Road Lighting, Luminaires, Air-conditioning and small power equipment	
Letseng Diamond Mine 2011	M620'000.00	Repair of 1250kVA generator Alternator	
Naledi Municipality 2012	M1.6m	Rehabilitation of A, B, KANANA, & KS Pump Stations	
Ministry of Public Works 2012	M1.8m	National Security Service Dinning Facility Electrical & Air-conditioning Installation Services.	
Partners In Health 2013	M1.1m	Supply & Installation of 4x28kVA and 40kVA generator sets with contracts including LV Reticulation and Electrical building services for Clinics and Staff houses.	
Ministry of Finance & Development Planning. 2013	M2.3m	Supply & Installation of 9x30kVA generator sets with contracts including LV Reticulation.	
National University of Lesotho 2013	M370'000.00	Supply & Installation of 500kVA Miniature Substation	



Industrial Supplies

We supply our customers with specialized industrial equipment such as pumps for all applications, hydraulic equipment, pneumatic equipment, electric motors for various applications, and a lot of specialized electromechanical equipment for industrial application.

Engineering Management

Our diverse background allows us to help the local industry with management in various engineering sectors. We provide Energy Management, Utilities Management, Maintenance Management, Quality management, etc. in order to help improve profitability of our customers and contributing to the lowering of carbon footprint to save the mother earth.

9. OUR CONTACTS

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