



EN4 (Maputo-Witbank) Highway Lighting
Maputo Section - 2019

Executed by ENGCO

THE ENGCO GROUP

GRUPO ENGCO is made up of six companies, with a total of 166 workers, of which 138 men and 28 women: ENGCO, Lda (Holding), founded in Mozambique in 2001; ENGCO Investimentos, Lda founded in 2001; PIERLITE Moçambique, Lda founded in 2002; ENGCO Eléctrica, Lda founded in 2004; FLEETCO, Lda founded in 2010, and ENGCO Engineering Services (PTY) Ltd in 2016.

Two of the Group's companies are specialized service-providers in engineering, energy and energy e-efficiency, including a wide range of renewables: ENGCO Eléctrica, Lda in Mozambique, and its subsidiary ENGCO Engineering Services (EES), established in South Africa. ENGCO Eléctrica is renowned for the successful design and implementation of large infrastructure and industrial projects in Mozambique.



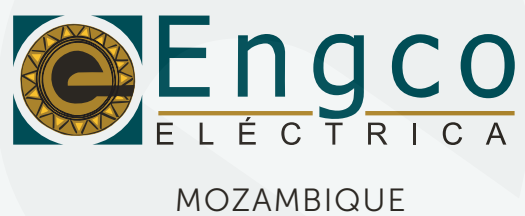
All ENGCO Group Companies are certified as:

ISO 9001:2000 in 2004, updated to ISO 9001:2008 in 2011, finally to ISO 9001:2015 since 2018;

OHSAS 18001 since 2014.

ENGCO Group Companies Compliance:

1. **General Company Establishment:** ENGCO companies are established according to the Mozambican law;
2. **Insurance and Licenses:** The companies have all legal insurance for properties, for working accidents, third party liabilities and licenses;
3. **Company Capabilities:** The ENGCO Group companies are service-providers in engineering, energy and energy efficiency, including a wide range of renewables. Other activities include trading and mobility solutions;
4. **Finance and Audited Accounts:** A permanent routine of accountability, reporting and annual audited accounts by a global auditing company are part of management system;
5. **Occupational, Health and Safety:** Compliance with integrated management systems is implemented across the Group;
6. **Environment Management:** There is an ongoing implementation of the system with completion expected until end of 2020;
7. **Quality:** ISO9001:2015 in place in all companies of the Group;
8. **Human Resources:** All companies of ENGCO Group have in place employee relations policy. Workers are covered by social security, collective workers/employer agreements, and companies are committed to international labor standards.
Companies have Union Associations branch; in the group there are records of the workforce capabilities according to assignments. All workers are covered by medical aid;
9. **Compliance:** The Group has a Governance Handbook, a department of auditing and internal control as well as ethical and anti-corruption committee. Training programs are part of HR management. All practices are guided by Mozambican law.
10. **Supporting References:** All records of previous assignments and customers contacts are kept in live archives for at least five years.



ENGCO Eléctrica Lda. (EE) Mozambique, and its subsidiary ENGCO Engineering Services (EES) South Africa, are well positioned to offer a wide range of services in the construction sector as specialized service-providers in engineering, energy and energy efficiency, including a wide range of renewables.

Engco Eléctrica Lda. (EE), founded in 2004 in Maputo, is a local services provider with more than a decade of engagement in the Mozambican market, focused on electrical engineering design, planning and creating effective turn-key solutions.

EE projects are in strict compliance with the Mozambican law, international health and safety regulations (**OHSAS 18001:2007**) and quality management standards (**ISO 9001:2015**).

In turn, Engco Engineering Services has two main line of business:

-Procurement Services and Contracting Services. **EES** can offer both these services either as a combined function on a project or independently of one another according to specific project requirements.





SERVICES



High, medium and low voltage projects



Project design, installation and maintenance of electrical infrastructure & equipment Supply and service for medium and low voltage projects



Development and implementation of power generation projects



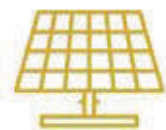
Design, construction and maintenance of street & industrial lighting infrastructure

POWER GENERATION:

Development and implementation of photovoltaic, diesel and gas power generation projects.



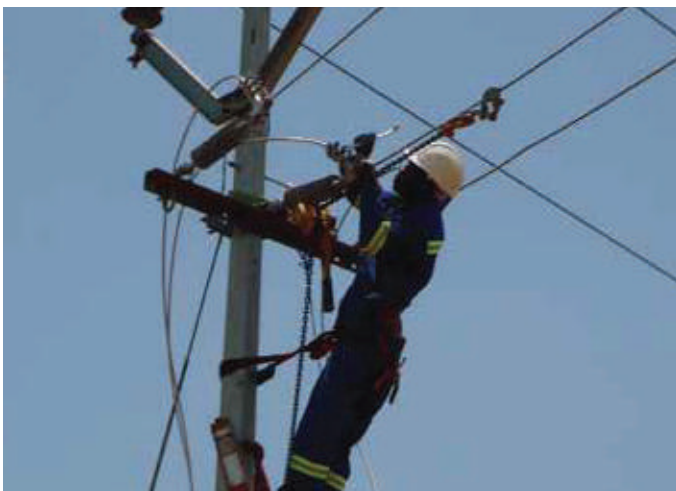
Gas powered



Photovoltaic



Diesel generator plants



Engco Eléctrica is renowned for successful implementation of large electrical infrastructure and industrial projects with major customers.

EE customers are from both - public and private sectors.



CAPABILITIES OF ENGCO ELÉCTRICA

PERMANENT SKILLS BASE

ENGCO Eléctrica has **64 permanent employees** comprising of:

- Engineers
- Tender specialists
- Highly skilled technicians
- Skilled workers
- Machinery operators
- Semi-skilled workers, financial and administrative staff members

CURRENT MAJOR TOOLS AND EQUIPMENT HOLDING

Vehicles and Tools

- Two six-wheel drive crane trucks
- One two-wheel drive crane truck
- Six cherry pickers
- Seven double-cab four-wheel drive pick-up trucks
- Twelve single-cab four-wheel drive pick-up trucks
- One Inductive CT Clamp single phase ID
- One Ridged SR-20 Receiver
- One ST-510 Transmitter (10Watts)
- + 4" Inductive Signal
- One Schermer Spiking Gun
- One Searward PR33D/PH3
- Ten Complete Jointers Tool Bags
- Fifty Nylon Rollers
- Ten Corner Cable Rollers
- Various Cable Pulling Socks
- Five 1500Kg Swivel Links
- Five 3000Kg Swivel Link
- One Megger 5KV(IRM5000P)
- Two 3 Ton Spindle Jacks
- One Hydraulic Crimping Tool
- Six Manhole Rollers
- One 8 Tonne Cable Drum Trailer
- Two 5 Tonne Hydraulic Jacks
- Five All Surface Heavy Duty Nylon
- Rollers

PROFESSIONAL SERVICES

DESIGN AND ENGINEERING CAPABILITIES

With experience in both construction and design, Engco can address all aspects of the project from a practical as well as a theoretical perspective.

A thorough approach to the conceptual design phase of a project can prove critical to its overall success or failure. Engco's multi-disciplinary engineers come from a variety of backgrounds, many having worked directly for operating companies. This gives Engco a broad understanding of operational constraints which may exist both in project design and implementation, and allows the formulation of appropriate strategies to meet key objectives.

Engco has a structure built on the foundation of quality engineering and management procedures, headed by experienced chartered engineers.

Engco is committed to ensuring that all engineering, procurement, construction and commissioning are submitted on time with the correct quality standards and within budget.

ENGCO Eléctrica and ENGCO Engineering Services will stay devoted to the highest level of standards and they will continue to invest on growing their capabilities as EPC and electrical contractors.



SOCIAL RESPONSIBILITY APPROACH

ENGCO Grupo will continue to support local young generation on education, culture, and sports. Engco will contribute to alleviate those active communities that are victims of disaster or momentary devastation due to environmental or other causes of force majeure.

STUDENTS AND SCHOOLS:

Mungazine Primary School.



MORE JAZZ BIG BAND PROJECT

We partner with the More Jazz Big Band Project, which consists on helping youngsters to be better people in society. The project is a music school for young people in Mozambique.



COSTA DE SOL GIRLS SOCCER TEAM

We have a partnership with female soccer team of Costa de Sol, national champion from 2014 to 2018.



DISASTER AND EXTREME WEATHER RELIEVE

We contribute for the recovery of communities that had been struck by disaster, other weather conditions and force majeure causes.



ENGCO Grupo joined hands with the Cabinet of The Spouse of the President of Republic of Mozambique and contributed for the relief of the orphan children.



As ENGCO Grupo companies, we understand the local market conditions and business culture and we stay devoted to social responsibility. Furthermore we recognize professionalism and competence as key to achievement and value adding partnership. In accordance with our ethical and governance code, we stay committed to best management practices and principles.

We are committed to be the Local Partner of Choice.

Israel Casimiro França
Chairman of ENGCO Grupo



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