

COMPANY PROFILE



P.O. Box 35155, DAR ES SALAAM, Tanzania|| Website: www.cacla.co.tz

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WHO ARE WE

Cacla Engineering Limited is a local company incorporated under the companies Act, 2002, in August 2015. We are registered by Contractors Registration Board (CRB) of Tanzania as electrical contractor class 2. The company was originally registered as Cacla Investments Limited before changing its name to Cacla Engineering Limited.

Cacla Engineering Limited is registered by EWURA in Local Content Local Suppliers and Service Providers (LSSP) database as electrical contractor allowed by the law to supply and provide services to Oil and Gas industries. We are also registered by Tanzania Mineral Commission to provide services in mining industries.

The company was recently successfully passed the Inspection of Contractors Conformity (ICC) conducted by Bureau Veritas (Kenya) on behalf of TOTAL Tanzania Limited. The aim of ICC is to check if contractors conform to HSE requirements for oil and gas industries.



OUR MISSION

As one of the leading company, we are committed to leading the industry in customer satisfaction, by meeting and exceeding customer expectations and becoming the most preferred customers' service provider.

OUR VISION

To become the market leader in Tanzania in providing the best engineering solutions to our clients.

OUR QUALITY STATEMENT

Quality is important to our business because we value our customers. We strive to provide our customers with services which meet and even exceed their expectations.

Our goal is to provide customers with the highest quality services by assuring their performance, consistency, safety and value.

WHAT WE OFFER

We are now class **TWO** electrical contractor, registered year 2017 by Contractors Registration Board of Tanzania (CRB). Cacla Engineering LTD has people, tools and equipments to carry out efficiently several electrical works. We are offering the following engineering services:

1. Supply of Engineering Equipments and Materials

- ❖ We are licensed supplier of engineering equipments and materials for power plants, mining, industries, parastatals etc.

2. Supply, Installation, commissioning and servicing of UPS and AVR's

3. Electrical Audit Works

- ❖ We are conducting electrical safety inspection in factories and oil and gas industries
- ❖ Infrared Thermal Imaging for loose connections, phase overload and phase un-balance (Thermographic Auditing)
- ❖ We are conducting Power Quality Analysis
- ❖ Light Illumination measurement and analysis

4. Transformers Works

- ❖ Supply, Installation and Commissioning of 33KV and 11KV transformers
- ❖ We Undertake onsite Transformers audit and services

5. Electrical Installation

- ❖ Electrical Installation in residential houses, factories, industries, mining and commercial buildings

6. Electrical Switchgears

- ❖ Supply and Installation of Switchgears

- ❖ Supply and Installation of Air Circuit Breakers, Oil Circuit Breakers and Vacuum Circuit Breakers.
- ❖ Supply and Installation of Ring Main Unit (RMUs)

7. Instrumentation and Control Systems

- ❖ We do Instrumentation works and Control Systems for industries and factories

8. Flameproof Equipments

We are national distributor of international companies like VENAS and Orion Instruments.

- ❖ Supplying and Installation of Flameproof equipments for Oil and Gas industries certified by ATEX, IECEx , Marine and PESO.

9. Power Supply

- ❖ We do preventive and corrective maintenance to generators and other electrical equipments
- ❖ We supply, Install and Commission UPS Systems

10. Air Cooling Systems

- ❖ We do estimate, supply, install & Service Air conditioners, Central Cooling Systems (Chillers) as well as Ventilation Systems in both factories, Commercial Buildings and ware houses.

11. Lightening Arrester Systems

- ❖ We survey, Test, design and install lightening system to factories, bridges and open areas.

12. Solar Power Systems

We do survey, design, estimate, supply and install solar power systems including street lights, water pumps etc. in both commercial, domestic, Industrial areas as well as highways

13. Cable Management

- ❖ We do supply and install cable management systems i.e cable trays and cable ladders with assorted accessories, Cable trunking and ducts together with covers. Cable trenches as well as underground cabling systems.

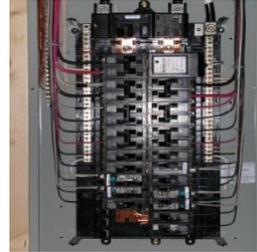
14. Electrical Panels

We do estimate, design, build up, testing & commissioning of the following panels

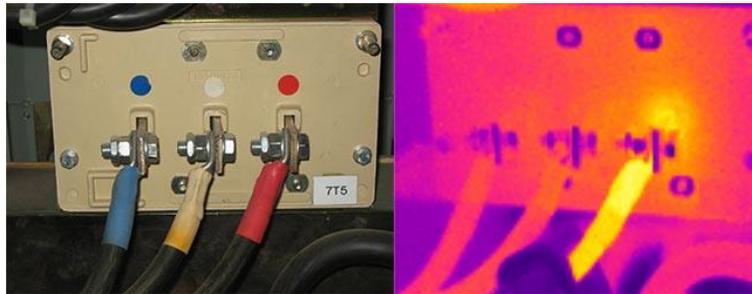
- ❖ Power Factor Panels
- ❖ Control Panels
- ❖ Distribution Panels
- 4. Synchronization Panels
- 5. ATS & Manual Change Over Switches



Control Circuits



Distribution Panel



Infrared Thermal Imaging



Cabling



Transformer Maintenance & Services

EXPLOSION PROOF PRODUCTS:

1) SWITCHGEARS

Junction Boxes / Control Stations (Cast Aluminium)

ATEX, IECEx certified, PESO approved



8265 Ex d
Zone 1 / 2 / 21 / 22
6 Sizes



8250 Ex d
Zone 1 / 2 / 21 / 22
4 Sizes



8250 Ex d
Zone 1 / 2 / 21 / 22

Cast Al (Special Grade) EIM

KLPL (India) certified, PESO approved



9780/20 Ex d
Earthing Integrity Monitor

Ex Panels

Cast Al, SS and GRP enclosures



8252 Ex d
Zone 1 / 2 / 21 / 22
4 Sizes



8252 Ex d
Zone 1 / 2 / 21 / 22
with glass cover



8252 Ex d
Zone 1 / 2 / 21 / 22
up to 5 - way

Cast Al, SS and GRP enclosures



Various combinations are possible

Sheet Metal Junction Boxes / Control Stations

ATEX, IECEx certified, PESO approved



8150 Ex e, Ex i Zone 1 / 2 / 21 / 22
Several Sizes in SS 304 and SS 316
Silicone foamed gasket

Socket Panel for Clean Room

ATEX, IECEx certified, PESO approved



8150/5 Zone 1 / 2 / 21 / 22
16A and 32A

2) LIGHTING

Flood Light Fittings

ATEX, IECEx certified, PESO approved



6121 Ex de Zone 1 / 2 / 21 / 22
HID: 150 - 500W
Cast Aluminium



6125 Ex de Zone 1 / 2 / 21 / 22
LED: 120W and 210W
Sheet Metal



6521 Ex nR and Ex nA Zone 2 / 21 / 22
HID: 70 - 1000W
Sheet Metal



6525 Ex nR Zone 2 / 21 / 22
LED: 120W and 210W
Sheet Metal

Linear LED Light Fittings

ATEX, IECEx certified, PESO approved



6002 Ex de
Zone 1 / 2 / 21 / 22
28W and 52W



6402 Ex nR and Ex nA
Zone 2 / 21 / 22
28W and 52W

3) SIGNALLING

Audible Signals



100 dB (A)
Series YA30



104 dB (A)
Series CN41



BExCS110-05 / BExDCS110-05
Combination Alarm

BUSINESS LINES REGISTERED IN NEST:

We are registered to provide service to 19 business lines in National e-Procurement System of Tanzania (NEST). These are as follows;

1. Electrical Testing Equipment
2. Power plants and equipment
3. Oil and gas operating and production equipment
4. Electronic hardware and component parts and accessories
5. Measuring, observing and testing instruments
6. Batteries and generators and kinetic power transmission
7. Petroleum processing machinery
8. Electrical equipment and components and supplies
9. Electronic manufacturing machinery and equipment and accessories
10. Industrial process machinery and equipment and supplies
11. Electrical wire and cable and harness
12. Office machines their supplies and accessories
13. Lighting Fixtures and Accessories
14. Safety and security equipment
15. Construction and maintenance support equipment
16. Consumer electronics
17. Industrial machine tools
18. Electrical Contractors
19. Components for information technology or broadcasting or telecommunications

PROJECTS COMPLETED FOR YEAR 2023-24:

1. Supply and Installation of 11KV transformers and construction of HT and LV systems for 6 TOTAL Service Stations.
2. Electrical renovation of VIVO (Engen) Dar es Salaam Depot-Kurasini
3. Annual Electrical Audit- GAPCO TANZANIA LIMITED
4. Electrical Audit of transformers of Oryx Gas Tanzania depots in Iringa, Dodoma, Moshi, Mwanza and Kigamboni.
5. Electrical Audit for PUMA Aviation Depots in DSM, Zanzibar, Arusha, Mwanza, Dodoma, Tabora and Songwe Airports
6. Supply and Construction of Street Lights complete with hot dip-galvanized poles for Bank of Tanzania (Zanzibar)

7. Supply of Earthing Materials for 10MVA substation at Stamigold Mine, Geita. Client Electrical Transmission and Distribution Company Limited (ETDCO)
8. Energy Meter Separation (Including construction of HT and LV lines, Supply, Installation and Commissioning of 11/0.4KV, 500KVA Transformer- PSSSF Millennium Tower (Project Sum: TZS 99,974,880 equivalent to \$ 42,724)
9. Electrical Audit for 11 PUMA Service Stations for Electrical Upgrade in Dar es Salaam, Arusha, Dodoma, Dodoma, Iringa, Morogoro and Lindi regions (Project Sum: TZS 45,276,600 equivalent to \$ 19,349)
10. Annual Electrical Maintenance of 500KVA 11/0.4KV transformer of LOBP Plant - TOTALENERGIES Tanzania Limited (Project Sum: TZS 12,000,000 equivalent to \$ 5,128)- May 2023
11. Supply of Gas Detectors for Gas Company TZ LTD
12. Supply of 110VDC batteries for 10 Tanesco Substations (Project Sum: TZS 721,178,452 equivalent to \$ 308,195)
13. Supply and Installation of Variable Speed Drives for Bank of Tanzania (BOT) Zanzibar office (Project Sum: TZS 176,434,909 equivalent to \$ 75,399)
14. Supply, Installation, Testing and Commissioning of UPS Batteries at Bank of Tanzania, DSM, Zanzibar, Mwanza and Mbeya Branches (Project Sum: TZS 262,694,550).
15. Supply of Electrical Spare Parts-UPS Batteries for GASCO (Project Sum: TZS 84,676,800)
16. Supply of Instrumentation Spare Parts (FLUKE) for GASCO (Project Sum: TZS 74,073,000)
17. Supply of Instrumentation Spare Parts (MOTOROLA SPARE PARTS)-GASCO (Project Sum: TZS 19,658,000)
18. Supply of Heavy Duty Rectifier for Tanesco Tegeta Gas Plant (Project Sum: TZS 311,240,000)
19. Supply, Installation and Commissioning of Air Conditioners for Madimba GPP, Songosongo GPP and Gas Pipeline (Project Sum: TZS 298,299,693)
20. Supply of 30T Load Cells-Tanroads Mara region(Project Sum: TZS 12,132,288)

ON-GOING PROJECTS 2024

1. Supply of Air Conditioners for Powerhouse and Dispensary Use at Kidatu HPP (Project Sum: TZS 69,549,200)
2. Supply of Engine Room Ventilators for Somanga Gas Power Plant (Project Sum: TZS 100,346,256)
3. Rehabilitation of TOTAL Service Stations in Gairo and Dodoma town (Project Sum: TZS 111,250,000).

SPECIAL TOOLS & EQUIPMENTS:

No	Tool/Equipment	Purpose
1	Power Quality Analyser (PQA820)	Power Quality Recording and Analysis
2	Infrared Camera (THT45)	Thermographic Imaging
3	Digital Earth Resistance Clamp meter - HIOKI FT6380	Earth Resistance Measurements
4	Digital Earth Resistance Tester (KYORITSA 4105A)	Earth Resistance Measurements
5	10KV Insulation Resistance Tester	Insulation resistance measurements
6	Digital clamp meter (UT200)	Current Measurements
7	Polarity Tester (ELCB)	Power sockets polarity testing
8	Klein Tools (ET)	Circuit Breaker Finder
9	Digital Dual Infrared Laser Temperature Gun	Non-contact Voltage Tester
10	Digital Dual Infrared Laser Temperature Gun	Non-contact Temperature measurement
11	Phase Polarity Testers	Check phase polarity
12	Complete Electrician Toolboxes	Electrical installation
13	Hand Drills (Hilti UD30)	Installation
14	Hand Drills (Makita)	Installation
15	Supervision Vehicles	Transport
16	Standby Generators	Standby Power
17	Transformer Oil Filtration Machine (2500lts/hour)	Transformer oil filtration
18	100KV BDV Kit	Oil breakdown voltage testing
19	400A/3V Primary Current Injection Kit	Testing current Transformers, Circuit breakers etc
20	3PH Transformer Turns Ratio Tester	Transformer turns ratio testing
21	30KV/100MA AC High Voltage Test Set with Transformer	High Potential Voltage testing
22	Phase Sequence Meter	Phase rotation testing
23	Fluke Clamp Meter F 353	Measurement of Current and Voltage
24	Fluke Battery Analyzer BT 510	Measurement of Battery Performance
25	Fluke Insulation Tester F1555FC	Measurement of Insulation resistance
26	Fluke Digital Multimeter F115C	Measurement of electrical Parameter



FLUKE



MEET THE MANAGING DIRECTOR

ENG. GILBERT NDESAMBURO (PMP)



Gilbert is an Electrical Engineer, registered Professional Engineer by Engineers Registration Board (ERB) of Tanzania, graduated as electrical engineer at University of Dar es Salaam. He holds MSc in Engineering Management from the same university. He is certified Project Management Professional (PMP) by reputable Project Management Institute (PMI) of United States of America in which he is also a member. Gilbert is registered by EWURA as Class A contractor. He is also certified infrared thermographer by Infrared Training Center (ITC) of United States of America.

Gilbert has more than 18 years' experience in power generation projects. He has been involved in more than 10 power generation projects in Tanzania, Nigeria and Cameroon with multinational companies like Wartsila (Finland), Jacobsen (Norway) and Symbion Power LLC (USA). Among these power projects, Eng. Gilbert was Operations Manager of Symbion Power Tanzania LTD managing the two rental power plants (55MWe-Dodoma and 50Mwe-DArusha).

Prior to that, he was Instrumentation and Automation Engineer of Canadian mining company, Barick Gold Corporation at Bulyankhulu Gold Mine, North West of Tanzania. He also successfully participated as Project Manager in rural electrification projects in Simiyu region (Tanzania) in which about 100km of 33KV transmission line was constructed and commissioned, 20 km of 400V line was constructed and commissioned, 25 Transformers (33/0.4KV, 50KVA, 100KVA, 200KVA) were installed and commissioned and more than 500 customers (single and three phase customers) were connected. For last 5 years Gilbert has been conducting annual electrical audit to gas filling depots and oil depots of the leading players in oil and gas industry in Tanzania, to name them, TOTAL Tanzania, PUMA Energy Tanzania Limited and ORYX Gas Tanzania Limited.

CERTIFICATION AND REGISTRATION



CONTRACTORS REGISTRATION BOARD

HEAD OFFICE
P.O. BOX 15214
DAR ES SALAAM
Tel: 255 22 2137662
2137663
Fax: 255 22 2137664
E-mail: info@crb.or.tz
Web: www.crb.or.tz

Ref. No.: E4/11/18/2017

Date: 04/07/2024

M/S. CACLA ENGINEERING LIMITED
P.O. BOX 35155 DAR ES SALAAM

Dear Sir / Madam,

Re: REGISTRATION AS ELECTRICAL WORKS CONTRACTOR

This is to confirm that after having paid Registration Fee and year 2024 Annual Subscription Fee vide our Receipt No. **CRB-R-2024-241** dated 04/07/2024 you are now registered with this Board as a **ELECTRICAL Contractor Class 2** with the effect from **04/07/2024**.

Your Registration Number is: **E2/10097/2024**

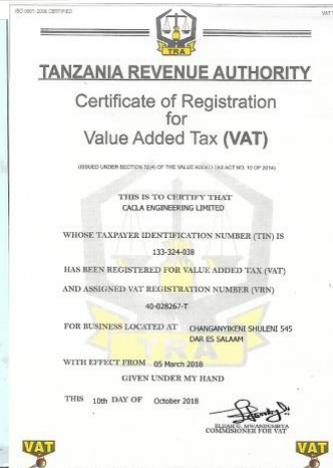
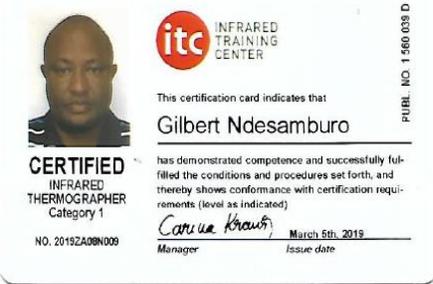
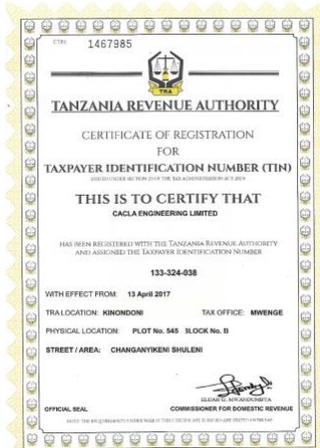
You are now allowed by law to take up ELECTRICAL contracts worth up to **TSh. 3,000,000,000.00** for any one single contract.

Your registration Certificate is being prepared and you will be informed when it is ready for collection.

Yours faithfully,

CONTRACTORS REGISTRATION BOARD

KHOBEN SKORI
REGISTRAR



OUR CLIENTS



PUMA Energy Tanzania Limited



Oryx Gas Tanzania Limited



TOTALENERGIES (TZ) LTD



Impala Terminals (T) LTD



Bank of Tanzania



TANESCO



PSSSF



GAS COMPANY (TZ) LTD



ELECTRICAL TRANSMISSION AND DISTRIBUTION COMPANY LTD (ETDCO)

BANK DETAILS:

Account name: **CACLA ENGINEERING LIMITED**
Bank name: TANZANIA COMMERCIAL BANK (TCB)
A/C number: 17340000043 (Tanzanian Shilling)
Branch name: Executive Branch
Swift code: NMIBTZTZ

Account name: **CACLA ENGINEERING LIMITED**
Bank name: CRDB Bank
A/C number: 0150414095100 (Tanzanian Shilling)
 : 0250414095100 (USD)
Branch name: UDSM Branch
Swift code: CORUTZTZ

ADDRESS:

CACLA ENGINEERING LIMITED

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Suite No. F1.02
Plot 8 Block 46 Mwenge
Dar es Salaam

Tel: +255767097768//+255713250038

E-mail: md@cacla.co.tz

Website: www.cacla.co.tz

TESTIMONIALS

- ❖ *“Cacla managed very well their projects, they also give us good support on maintenance whenever needed, they did a number of electrical audits with us and their reports are always exhaustive”*
 - Amandine Simonin, Operations Manager, TOTAL TANZANIA LIMITED

- ❖ *“I am very impressed with the report. Well done.”*
 - Milan Jani, Country Procurement Manager, PUMA Energy Tanzania Limited

- ❖ *“Thank you for the extensive report. Much appreciating efforts and good quality works”*
 - Awadh Tamim, Operations Manager, Impala Terminals Tanzania Limited

GALLERY









