ELECTRAM
ENGINEERING

WE ENGINEER SOLUTIONS THAT ACTUALLY WORK

COMPANY PROFILE

NIU:P129412701220B RCCM:RC/YAO/2018/A/2049

OVERVIEW

At Electram Engineering, our mission is to revolutionize energy solutions by providing environmentally conscious and sustainable alternatives. We are committed to minimizing the impact of energy creation on the environment, offering low-carbon solutions that provide reliable and efficient light during difficult times. Through the innovative use of information technology, we design and deliver smart energy management solutions that empower communities and preserve our planet for future generations

Our vision is to be a leading force in the transition to a sustainable energy future. We strive to be the go-to provider of low-carbon solutions, making a positive impact by reducing emissions and promoting environmental stewardship. Through our expertise in solar energy and smart energy management, we envision a world where clean and accessible light is readily available, fostering resilient communities and a greener planet

Illuminating lives, Sustaining earth

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ABOUT US

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SOLAR FOR HOMES

Power your home with clean and affordable solar energy. Say goodbye to high electricity bills and embrace a sustainable lifestyle that benefits both your wallet and the planet.

SOLAR FOR HEALTH

Ensure uninterrupted power supply for critical healthcare equipment and facilities. Our solar solutions provide reliable energy to hospitals and clinics, empowering them to deliver quality care, even in areas with limited access to the grid

SOLAR FOR AGRICULTURE

Empower your farm with solar energy solutions that enhance productivity and reduce operational costs. From irrigation systems to powering farm equipment, our solar solutions enable sustainable agriculture practices and maximize crop yields.

SOLAR FOR BUSINESS

Boost your business operations with solar energy. Lower your energy expenses, reduce your carbon footprint, and showcase your commitment to sustainability. Our tailored solar solutions help businesses thrive while contributing to a greener future

OUR EXPERTISE

PHOTOVOLTAIC SYSTEM INSTALLATION

We are dedicated to creating sustainable solutions that actually work, providing affordable access to reliable and eco-friendly energy. Our mission is to illuminate lives in difficult times by harnessing the power of the sun while mitigating climate change.

PHOTOVOLTAIC PROJECT FEASIBILITY STUDY

Project feasibility study is a crucial step in evaluating the viability and potential success of a solar energy project. This study serves as a roadmap to guide project planning and decision-making, ensuring that your solar energy initiative is well-informed and maximizes its benefits.

ENERGY EFFICIENCY AUDITS AND SOLUTIONS

We are committed to addressing the pressing issue of global warming and its connection to the energy sector. As part of our mission to offset carbon emissions and preserve the environment, we offer comprehensive energy efficiency audits and solutions.

SOLAR POWERED WATER PUMPING & IRRIGATION

Electram is proud to offer solar-powered water pumping systems, providing efficient and sustainable solutions for agricultural water needs. Our solar-powered water pumping systems ensure a consistent and reliable water supply for agricultural activities.

OUR EXPERTS

Electram Engineering is built around a team of well trained experts with a focus on professionalism. A team of technicians for each unit is led by top-notch engineers.

Meet the team who will pour their heart and time in designing and implementing your projects while giving peace of mind at all times.

Emmanuel Fru

COO - Co-Founder

Asaahndia Kelvin

CTO - Co-Founder

Paola Bouche

QHSE

Mbakop Elsa

Project Coordinator

CLIENTS/PARTNERS

Our partners trust us with their businesses.

Electram Enginering partners with various companies in the supply of quality equipment and smooth execution of projects,

We have built a long lasting trust relationship with our network of partners

RECENT WORKS

Electram Engineering undertakes a wide variety of projects ranging from domestic projects to government issued projects such as various public markets.

We accompany projects from the ground up to delivery or consult to bring in our expertise on on-going projects. Here's a peep!

50KW OFFGRID SOLAR PLANT AT SANGMELIMA MODERN MARKET

Electram Engineering consulted for the military in the implementation of this off-grid solar plant at Sangmelima

Client:	Marché Moderne de Sangmelima
Budget:	150,000,000 XAF
Role:	Consulting

PROJECT DETAILS

The 50KW OFF-GRID Solar plant is desgined to function without relying on the nation's grid.

Max Output:	60 KVA
Mounting:	Ground-mounted solar panels
Date:	28.02.2018

DIALYSIS CENTER - KOUSSERIE DISTRICT HOSPITAL

The primary objective of this project is to establish a secondary automatic power supply for the dialysis equipment, enhancing the facility's operational resilience and reducing its reliance on the unreliable grid infrastructure.

By utilizing solar energy, the dialysis center can operate independently and continue providing life-saving treatments even during power disruptions.

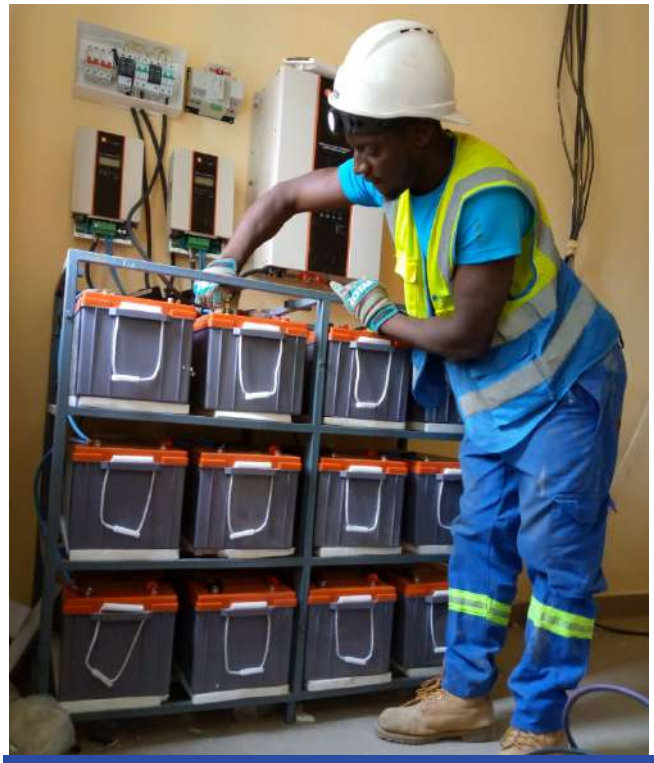
10 KVA HYBRID SOLAR POWER SYSTEM - DIALYSIS CENTER

Electram Engineering takes great pride in being a part of this significant project that contributes to the enhancement of healthcare services in the Kousseri district

Client: HD Kousserie

Budget: 8,900,000 XAF

Comm.: CAMBIZ SARL



PROJECT DETAILS

The solar power system installed at the dialysis center boasts a capacity of 10KVA, making it a robust and efficient solution to power the vital dialysis equipment. The system comprises 30 high-performance 260Wp solar panels, harnessing the abundant solar energy available in the region.

PV Generator:	7.8 KW
Mouting:	Roof-mounted
Power:	10 KVA
Backup	115.2KWh
Mode:	HYBRID

NJUTTITSA

Mr. Pierre is commercial farmer in the Njuttitsa area, West Cameroon. His major concern is irrigation of his crops during seasons of prolonged drought

Electram designed a water pumping system with considerable backup for Mr Pierre to water his crops as need be all through the dry season.

15 KVA OFF-GRID SOLAR PLANT IN NJUTTITSA, WEST CAMEROON

Project proposed, designed and implemented by Electram Engineering

Client:	Mr. Pierre, Industrial Farmer
Budget:	15,000,000 XAF
Date:	15.11.2019

PROECT SPECIFICS

The photovoltaic system is completely off-grid and produces and stores about 15 KVA of energy.

Max Output:	15 KW
Mouting:	Ground-mounted solar panels
Pump Rating	3HP
Flow Rate	2L/s @ 300m 50m pit
Date:	15.11.2019

BANDJA - CAPZONE RURAL

Electram Engineering was contacted in October 2019 by Ingénieurs Sans Frontières Sweden (ISF-S) to design a solar backup system.

The system should serve the CapZone Rurale headquarters in Bandja against incessant and abrupt power cuts. After several months of discussions, the project was successfully launched.

Also, part of the contract lies in the training of young people from Bandja in the installation of photovoltaic systems.

7.5 KVA SOLAR PLANT IN BANDJA, WEST CAMEROON

Electram Engineering Designed and implemented a backup solar power system for CapZone Rurale headquarters in Bandja

Client:	CapZone Rurale - Bandja
Budget:	8,150,000 XAF
Comm.	Ingénieurs Sans Frontières
Date:	21.08.2020

PROJECT SPECIFICS

This system is designed to provide enough energy to power the entire building without relying on the grid.

PV Generator:	7.2 KW
Mouting:	Roof-mounted
Power:	7.5 KVA
Backup	57,600Wh
Mode:	OFF-GRID

POWERING UP 04 HEALTH CENTERS IN THE CENTER REGION

Electram Engineering takes immense pride in successfully designing and implementing four 5KW Solar Powered Plants in crucial health centers.

These solar installations were specifically tailored to power essential equipment such as incubators and oxygen dispensers, ensuring reliable and uninterrupted healthcare services.

The 4 health centres were spread between Yoko and Linte.

The successful integration of solar-powered systems has significantly enhanced the reliability and resilience of the health centers.

The incubators and oxygen dispensers, which are critical for providing life-saving care to patients, now have a consistent and sustainable power supply.

Client:	Government
Budget:	40,000 USD
Comm.	Independent Contractor
Date:	07.08.2022

PROJECT SPECIFICS PER SITE

Each site with a solar generator of 7KW and 1600Wh Battery bank

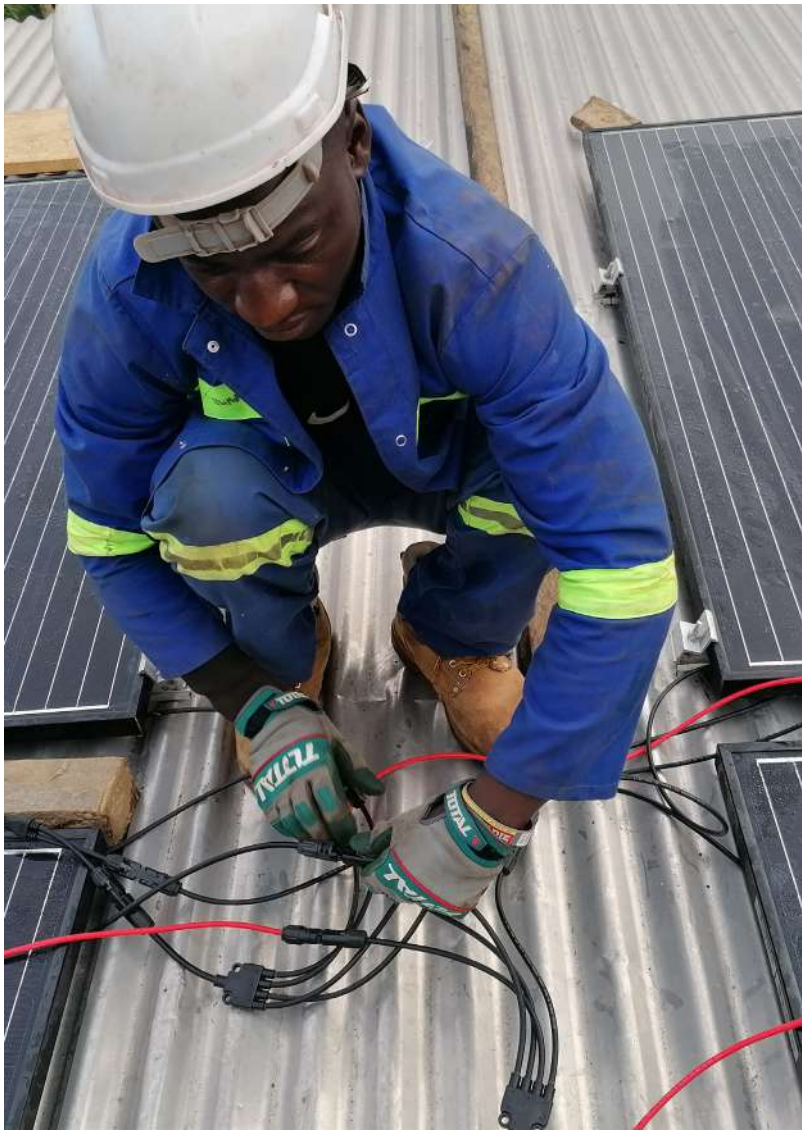
PV Generator:	7.2 KW
Mouting:	Roof-mounted
Power:	5KW
Backup	1,600Wh
Mode:	OFF-GRID

PORT GENTIL - AWAE

Dr Elat is a very futuristic farmer in Awae village. With a plantation spanning dozens of hectars and a huge piggery, the need for water and energy for his labourers is always constant.

He contacted us concerning the troubles he was facing and we were quick to act by designing and deploying our solution.

The deployed solution helps Dr Elat to pomp enough water and irrigate over 2 hectares of land daily. He equally gets enough water to feed his livestock.



7.5 KVA SOLAR POWER PLANT IN AWAE VILLAGE FOR IRRIGATION

Electram Engineering Designed and implemented a backup solar power system for Dr Elat's plantation.

Client:	CapZone Rurale - Bandja
Budget:	8,150,000 XAF
Comm.	Ingénieurs Sans Frontières
Date:	05.12.2020

PROJECT SPECIFICS

This system is designed to provide enough energy to power the entire building without relying on the grid.

PV Generator:	7.2 KW
Mouting:	Roof-mounted
Power:	7.5 KVA
Backup	57,600Wh
Mode:	OFF-GRID

CHANTAL BIYA FOUNDATION - NANGA-EBOKO

With constant power outages in the Nanga-Eboko city, the Chantal Biya foundation reached out to Electram Engineering for a long lasting solution to the problem.

After a thorough study, we designed and proposed a photovoltaic backup system which was immediately approved and implemented.

Now, that section of the foundation no longer experiences power outage.

3.5 KVA SOLAR PLANT IN NANGA-BOKO - CHANTAL BIYA FOUNDATION

System designed and implemented by ELECTRAM ENGINEERING to power the laboratories and office space of UPPPEC

Client:	Chantal Biya Foundation
Budget:	2,850,000 XAF
Comm.	SMARTSANA TECH
Date:	01.11.2020

PROJECT SPECIFICS

This system is designed to provide enough energy to power the entire building without relying on the grid.

PV Generator:	2.2 KW
Mounting:	Roof-mounted
Power:	3.5 KVA
Backup	38,600Wh
Mode:	HYBRID

POWERING UP 25 HOSPITALS IN THE EAST REGION

Electram Engineering, in collaboration with SmartSana Technologies, undertook a significant project aimed at addressing the pressing issue of inadequate power supply in the East Region of Cameroon.

With power availability being highly unreliable or completely absent in some areas, Electram Engineering was subcontracted to bring light and reliable electricity to 25 hospitals spread across 25 different localities within the region

This initiative aligns with the TIDE project, spearheaded by GGH LLC, which specifically targets addressing the challenges related to HIV/AIDS in Cameroon.

3.5 KVA SOLAR PLANT IN 25 HOSPITALS IN THE EAST REGION

These installations were strategically designed to cater to the specific needs of each hospital, particularly focusing on powering critical equipment used in blood testing laboratories and sample conservation

Client:	GGH LLC
Budget:	100,000,000 XAF
Comm.	SMARTSANA TECH
Date:	10.11.2020 - 24.08.2022

PROJECT SPECIFICS PER SITE

Additionally, the solar-powered systems implemented by Electram Engineering provide auxiliary power for essential devices within the UPPEC offices,

PV Generator:	3,1 KW
Mounting:	Roof-mounted
Power:	3.5 KVA
Backup	38,600Wh
Mode:	HYBRID

BATOURI DISTRICT HOSPITAL

Electram Engineering, in collaboration with SmartSana Technologies, has achieved another milestone in providing reliable and sustainable energy solutions to healthcare facilities.

Following the successful installation of a 3.5KVA solar power system, the Batouri District Hospital recognized the value and impact of this initiative and reached out to us not just once, but twice, for two additional 3.5KVA systems..

3.5 KVA SOLAR PLANT IN 2 UNITS OF THE BATOURI DISRIC HOSPIAL

The decision of the Batouri District Hospital to reach out to Electram Engineering for two additional 3.5KVA systems is a testament to the effectiveness and reliability of our solutions.

Client:	HD Batouri
Budget:	5,600,000 XAF
Comm.	ELECTRAM
Date:	16.01.2021 - 04.03.2022

PROJECT SPECIFICS PER SITE

By harnessing the power of the sun, these solar power systems provide a clean and sustainable source of energy, reducing reliance on the unreliable grid infrastructure.

PV Generator:	3.1 KW
Mounting:	Roof-mounted
Power:	3.5 KVA
Backup	38,600Wh
Mode:	HYBRID

Ombessa City Council, 5KW Solar Plant

5KVA Solar Power Plant - Yaounde, Centre

5 KVA OFF-GRID Solar Power Plant - Bipindi, South

5KVA OFF-GRID Solar Plant - Garoua

Solar Street Lighting - Mvegue, South

Solar Street Lighing - Bipindi, South

3,5 KVA OFF-GRID Solar Power Plant - Bonepoupa

3.5KVA Solar Power Plant - Mayor's office, Ombessa

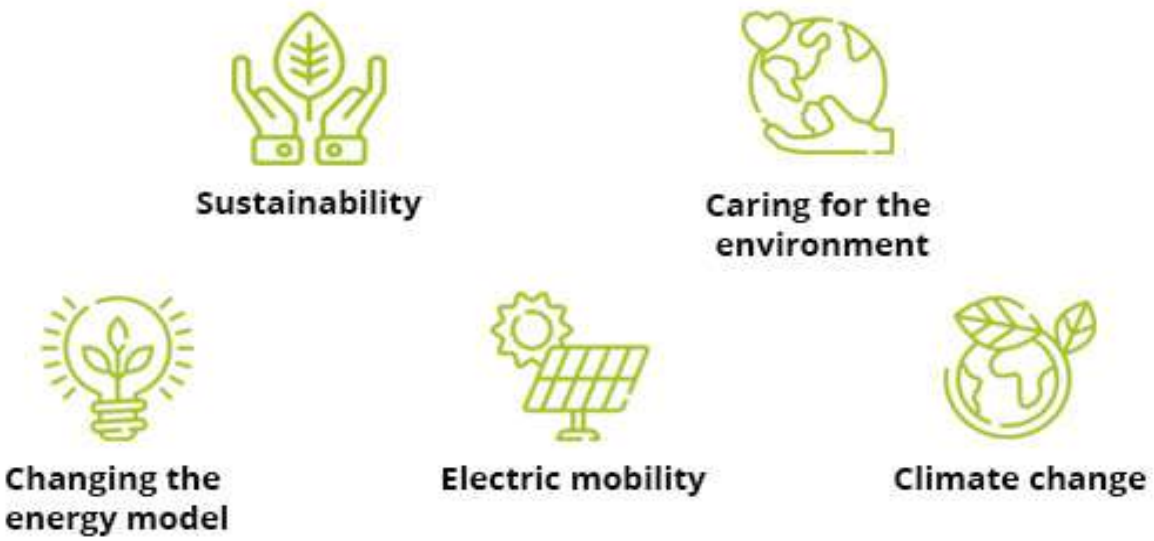
300w Mini Solar Power Station - Akonolinga

Delivery - 22 Mini Solar Power Kits

Sustaianable Developmemt Goal

Electram Engineering is a company that is committed to 5 basic principles, our sustainable development goal:

Sustainability, caring for the environment, changing the energy model, electric mobility and against climate change.



Sunlight generates clean and renewable energy, which is a huge benefit to the environment. It is a great alternative to fossil fuels, as it reduces the carbon footprint on the planet, as well as greenhouse gases. Therefore, it has been shown that consuming solar energy is generating a favorable impact on the environment.

Investing in solar energy is investing in our planet. It is taking care of the Earth. Betting on solar energy can help reduce dependence on fossil fuels in favor of one of the most abundant and consistent sources available to us: the sun.

Most of the electricity generated comes from fossil fuels such as coal and natural gas, the extraction of which is expensive and highly polluting. Instead, solar energy is an unlimited, free and infinite resource.

Electram integrates in its strategy the reduction of CO2 emissions that cause climate change, our company wants to contribute its grain of sand so that the projects we carry out help to generate energy from the sun and thus contribute to the Transition Energy.

Why Choose Us

COMPETITIVE SOLAR WARRANTY OPTIONS

We want you to enjoy peace of mind throughout the lifespan of your solar power system. We design, engineer, and install your solar panel system for maximum efficiency, longevity, and durability.

DEDICATED TO YOUR 100% SATISFACTION

Our customers are more than just customers to us. As a community-centered company, we are passionate about building lasting relationships with our clients.

PERSONALIZED SOLAR PANEL SYSTEM DESIGN

There is no one-size-fits-all solution when it comes to solar. Everyone's energy needs are different, which is why we will tailor your solar system to accommodate your needs and energy usage.

CUSTOMIZED SOLAR PANEL INSTALLATION

If your property has limited space or your roof simply isn't solar-ready, our innovative team can get very creative in finding solar solutions that will make your home or business energy-efficient.

Electram Energy Add-Ons

IoT-Enabled Solar Plants

Energy Solaire - Controle a distance

Electram keeps an eye on your system and preventively carries out maintenance to reduce system downtime

Smart Wattage Meter

Watt'0'Metre Intelligent

Unleash even more control over you energy with our smart energy sensing devices which prevent power surges and keep your overall costs for solar low.

Electram Security Add-Ons

Remote controlled CCTV

CAMÉRA DE SURVEILLANCE - CONTROLE A DISTANCE

Remotely gain control of your home surveillance network using your smartphone.

Access Control Systems

SYSTEMES DE CONTROL D'ACCESS

 # Secure and manage access to your offices with our nextgen access control systems, reliable, flexible & secure.

ELECTRAM
ENGINEERING

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