



Grand Central
Engineering Ltd.



COMPANY PROFILE

www.grandcentralengineering.com



Your Trusted Energy & Infrastructure Partner

From concept to completion, we deliver world-class reliable engineering solutions tailored to your needs.

CONTENTS

ABOUT US	04
OUR MISSION	04
OUR VISION	04
OUR CORE VALUES	05
OBJECTIVES	05
OUR SERVICES	06
OUR TEAM	08
RENEWABLE ENERGY	10
CONSULTING	11
SOLAR ENERGY	12
PARTNERS AND CLIENTS	14
PROJECT CYCLE	15
WHY CHOOSE US?	16
PROJECTS	17
CONTACT US	19

ABOUT US



Grand Central Engineering Limited (GCE) is a leading firm in renewable energy solutions and project finance. We are specialized in designing, developing and financing sustainable energy and electrical projects.

Our comprehensive suite of services includes cutting-edge engineering, tailored renewable energy systems and bankable project financing solutions. With an unwavering commitment to excellence and sustainability,

GCE is a trusted partner in driving the transition to clean energy for our industrial, commercial and residential clients and empowering communities across Ghana.

Our strength lies in our team of highly skilled engineers, who bring top notch expertise and a proven track record in delivering innovative solutions across diverse projects. From renewable energy systems and power distribution to electrical infrastructure and maintenance services, our engineers are dedicated to providing efficient, reliable and sustainable solutions tailored to meet the unique needs of our clients.

OUR MISSION

To design, construct and deliver world-class engineering solutions that drive sustainable development, powered by a highly skilled and integrity-driven team of professionals.

OUR VISION

To be the leading EPC company in Ghana and the West Africa sub-region, renowned for delivering innovative, sustainable and high-quality engineering solutions that transform industries and communities.

OUR CORE VALUES:

G.R.A.N.D

- ✓ **G - Growth-Oriented:** To stay ahead in a rapidly evolving industry, we are committed to continuous improvement and innovation.
- ✓ **R - Reliable:** We deliver on our promises with consistency, quality and dependability.
- ✓ **A - Accountable:** We take ownership and full responsibility of our actions, ensuring transparency and integrity in all our projects.
- ✓ **N - Nibble:** We adapt quickly to challenges, leveraging creativity and flexibility to find the best solutions.
- ✓ **D - Dedicated:** We are passionate about our work, our clients and our mission and strive for excellence in everything we do.

OBJECTIVES

- ✓ **Deliver Excellence:** Combine our expertise and resources to provide world-class engineering solutions that exceed client expectations.
- ✓ **Facilitate Funding:** Partner with clients to secure financing for large-scale, bankable energy infrastructure projects.
- ✓ **Provide End-to-End Solutions:** Offer turnkey services from design to completion, ensuring every Energy and Construction project is delivered on time, on budget and to the highest quality standards.
- ✓ **Monitor and Adapt:** Proactively track project progress, address deviations and maintain transparent communication with clients at every stage.
- ✓ **Commit to Quality and Timeliness:** Uphold our reputation by delivering quality work and completing projects on schedule.
- ✓ **Take Ownership:** Fully embrace accountability for every project, ensuring client satisfaction and successful outcomes.

OUR SERVICES

Energy Projects

- Renewable Energy Solutions
- Electrical Services
- Energy Consultancy
- Energy Infrastructure Development

Industrial Supplies

- Engineering Supplies
- Safety PPEs

Project Finance

- Bankable Project Financing
- Non-Recourse Financing
- Project Management

Our Services

At Grand Central Engineering (GCE), we provide end-to-end solutions tailored to meet the unique needs of our clients. Our expertise spans energy projects, industrial supplies and project finance ensuring seamless execution from concept to completion.

Energy Projects

We specialize in delivering innovative and sustainable energy solutions that power homes, businesses and industries.

Renewable Energy Solutions: Design, installation and maintenance of solar and other renewable energy systems.

Electrical Services: Comprehensive design and installation of electrical systems for industrial, commercial and residential projects.

Energy Consultancy: Expert advice and strategic planning to optimize energy efficiency and reduce costs.

Energy Infrastructure Development: Building robust energy infrastructure to support economic growth and community development.

Industrial Supplies

We supply high-quality engineering and safety equipment to keep your operations running smoothly and safely.

Engineering Supplies: Premium tools, equipment and materials for industrial projects.

Safety PPEs: Top-grade personal protective equipment to ensure workplace safety and compliance.

Project Finance

We facilitate funding and management for large-scale, bankable projects, ensuring financial viability and successful execution.

Bankable Project Financing: Securing funding for infrastructure and energy projects through tailored financial solutions.

Non-Recourse Financing: Structuring financing options for energy projects that minimize risk for clients.

Project Management: End-to-end oversight to ensure projects are delivered on time, on budget and to the highest standards.

OUR TEAM

At Grand Central Engineering (GCE), our strength lies in our highly skilled and experienced team of professionals. Specializing in engineering project execution, we serve a diverse range of clients from large blue-chip corporations to small and medium enterprises across commercial, retail and industrial sectors.

We understand that the key to success is not just delivering projects but truly understanding our clients' unique needs and exceeding their expectations. Our team is dedicated to providing innovative, tailored solutions that drive results and build lasting partnerships.

Why Our Team Stands Out

Expertise: Decades of combined experience in engineering, energy, project management and finance.

Client-Centric Approach: We listen, collaborate and deliver solutions that align with your goals.

Commitment to Excellence: From concept to completion, we ensure every project meets the highest standards of quality and efficiency.

Innovation: We leverage cutting-edge technology and best practices to deliver forward-thinking solutions.

Why Choose GCE?

Expertise: Decades of experience in energy, engineering and project finance.

Quality: Commitment to delivering world-class solutions that exceed expectations.

Sustainability: Focus on renewable energy and environmentally responsible practices.

Client-Centric Approach: Tailored solutions designed to meet your unique needs and goals.

Our Promise

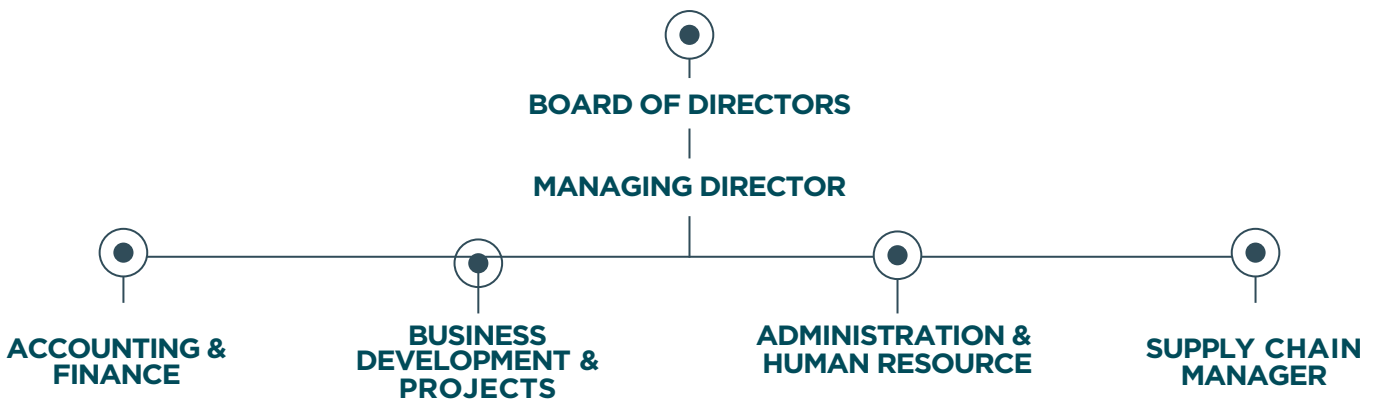
When you partner with GCE, you're not just hiring a team you're gaining a trusted ally committed to your success. Let us bring your vision to life with expertise, integrity and a focus on excellence.

OUR LEADERSHIP

Grand Central Engineering (GCE) is driven by a team of four dedicated directors who bring over 40 years of combined experience in the engineering and finance industries. With a hands-on approach, they are directly involved in every aspect of the business, including:

- **Business Development:** Identifying opportunities and building strategic partnerships.
- **Procurement:** Sourcing high-quality materials and equipment for optimal project outcomes.
- **Project Finance:** Structuring innovative financing solutions to ensure project viability.
- **Administration:** Ensuring operational excellence and efficiency across the organization.

Their deep expertise, commitment to excellence and client-focused mindset are the driving forces behind GCE's success.



Why Our Leadership Matters

When you partner with GCE, you're not just hiring a team you're gaining a trusted ally committed to your success. Let us bring your vision to life with expertise, integrity and a focus on excellence.

- **Proven Track Record:** Decades of experience delivering successful projects across industries.
- **Hands-On Approach:** Direct involvement in every project to ensure quality and client satisfaction.
- **Strategic Vision:** A forward-thinking mindset that drives innovation and growth.

RENEWABLE ENERGY



Grand Central Engineering provides turn-key solutions with a full spectrum of services:

EPC

From Design to Handover, Grand Central Engineering performs value engineering, procurement of necessary materials, and construction of the project.

Engineering

- Pre-liminary Study
- Detailed Engineering
- Financial Analysis
- Planning
- Construction Engineering

Construction

- Electrical Installation
- Civil Works
- Mechanical Works

Procurement

- Purchasing
- Transport & Logistics
- Invoicing

Commissioning

- Testing & Commissioning
- Quality Control
- After-Sales Maintenance

CONSULTING

Grand Central offers clients advice & consultation regarding renewable energy projects, by helping them with strategy, performance measurement, process optimization, as well as helping them eliminate common hurdles and pitfalls associated with renewable energy sector.

Grand Central can also help businesses set up their renewable energy department by acting as a consultant, offering the following services:

- **Solar PV feasibility study:**

Help clients determine the feasibility of a solar system for their facility. This includes on-site visual observations of the building and surrounding property, as well as the development of a Conceptual Design Study of a proposed PV system.

- **Construction and Installation Oversight:**

Provide structural, electrical, and engineering oversight and construction administration services to ensure the successful implementation of a solar system project.

- **Solar PV Asset Management:**

Help clients determine required budgets for Capital, Inventory, and Operations.

- **Solar PV Detailed Plans and Specifications:**

Develop a detailed analysis of the technical, legal, and financial parameters upon which the specification of the solar PV system can be developed. This includes conceptual site plans, preliminary layouts, and financial analyses for the possible locations.

- **Solar PV Project Commissioning:**

Review and finalize commissioning checklists, provide inspection for each system, and provide performance test verification.

SOLAR ENERGY



On-Grid Solar System

Grid-Tied Solar PV system: that aims at reducing electricity bill costs by generating power directly from the sun and penetrating the electric grid.

Application: Industrial Factories, Commercial Centers & Malls, Warehouses, Hotels & Resorts, Hospitals, Schools & Universities, etc.

On-Grid Solar System

Off-Grid System: that can work on-grid and rely on batteries for storage, and generators as backup.

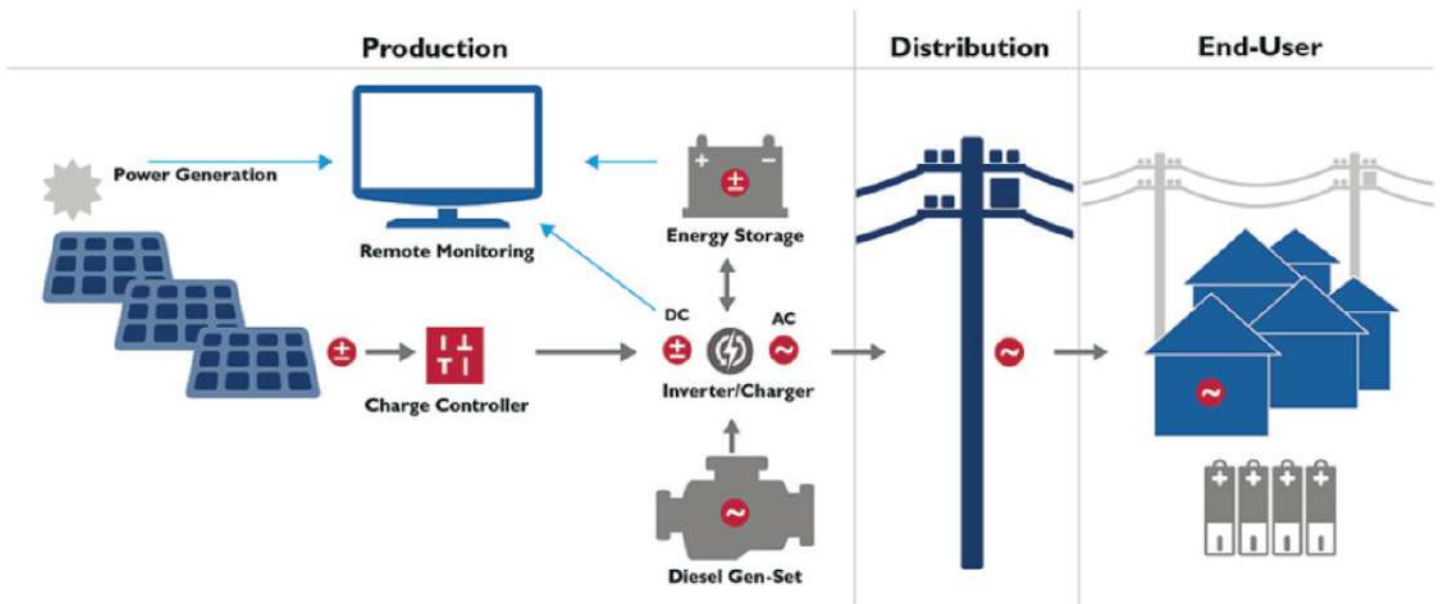
Application: Residential homes & villas, remote chalets, telecom. towers, etc.

Diesel Hybrid System

Solar power combined with diesel generators: aiming at reducing fuel consumption and operating costs. Battery storage can be added to further reduce costs at night.

Application: Telecom, Mining Sites, Camps, Remote Construction Sites, etc.

MINI-GRIDS



A decentralized power grid: that consists of completely off-grid Solar System, Battery Storage ESS, and Diesel Generators. Power is then distributed to units by transmission lines and managed by smart billing system. Suitable for remote areas.

Application: Remote Villages, Mining Camps, rural communities.

Micro-Grids

Similar to Minigrids, Microgrids additionally connect to the electricity grid as an extra source of power that can be used at certain times during the day in order to save extra costs. Microgrids can island themselves and act as Minigrids if required.

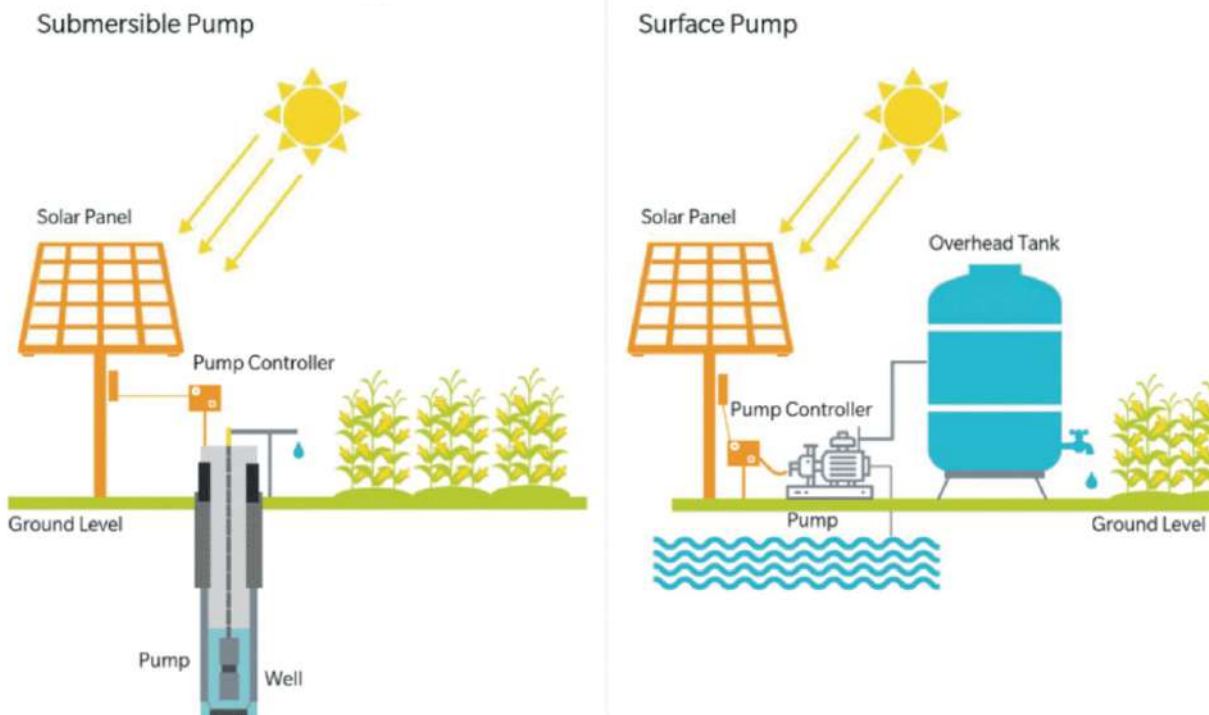
Energy Storage System (ESS)

Captured energy: that is efficiently converted and stored in batteries to further reduce costs during night hours.

Solar Street Lighting

Convenient and cost-effective lighting system: that ensures safety and visibility for pedestrians and drivers while saving on infrastructure, installation & operation costs.

SOLAR PROJECTS



Solar Water Pumping

Stand-alone pumping system: That operates with a combination of Solar+VFD saving %100 on Diesel/Electricity costs. Mainly used in remote areas where the grid is not available, and the transport of diesel oil is difficult & costly. (Can work as a hybrid with diesel generator to ensure continuous 7/24 operation)

BIPV System

Building Integrated Photo-Voltaic system: Consists of integrating solar panels into a building's roof and/or façade. By simultaneously serving as building material and power generator, BIPV systems can provide savings in materials and electricity costs, reduce use of fossil fuels and emissions, and add architectural interest to a building. Can be used for all types of solar systems i.e., On-Grid, Off-Grid, Water Pumping, etc.

Solar Carport

Solar Carport: Offers simplified and economical alternatives to expensive roofing system by utilizing existing parking areas to generate power without sacrificing valuable real estate. It additionally provided shade from the sun and cover from the rain for vehicles.

PARTNERS & CLIENTS



PROJECT CYCLE

01

Project Agreement and Specifications:

We align with clients to define project goals, timelines, and budgets, ensuring clarity and transparency from the start.

02

Conceptual Design and Approval:

Our team creates a preliminary design, incorporating client feedback to ensure the vision aligns with expectations.

03

Detailed Engineering Design:

We refine the design into a comprehensive plan, ensuring precision and readiness for construction.

04

Procurement of High-Quality Components:

We source durable, efficient materials and equipment from trusted suppliers to ensure long-lasting performance.

05

Mobilization and Site Preparation:

We conduct site surveys and prepare the area, ensuring a smooth start to construction.

06

Construction and Installation:

Our skilled team executes the project with precision, adhering to timelines, budgets, and quality standards.

07

Testing and Quality Assurance:

We rigorously test the system to ensure it meets all specifications, safety standards, and client expectations.

08

Project Handover and Client Training:

We deliver the completed project, provide training, and ensure clients are confident in operating their new system.

WHY CHOOSE US?

At Grand Central Engineering (GCE), we are committed to delivering excellence in every project. Here's why clients trust us as their preferred engineering partner:

- 01 Clients Come First**
Your success is our priority. We put you at the heart of everything we do, ensuring your needs and expectations are met with the highest level of professionalism and care.
- 02 Free Consultancy**
We provide expert advice at every stage of your project, adding value and ensuring informed decision-making all at no extra cost.
- 03 Innovation at the Core**
In a rapidly evolving world, we stay ahead of the curve by leveraging the latest engineering technologies to solve your challenges and deliver cutting-edge solutions.
- 04 Complete Turnkey Solutions**
From concept to completion, we offer customized, end-to-end engineering solutions tailored to your unique requirements.
- 05 Unmatched Project Management**
Our project management expertise ensures seamless execution. We design, plan, schedule, procure and implement projects on time, on budget and within scope.
- 06 Project Financing Options**
For infrastructure and bankable projects, we collaborate with partners to secure funding, ensuring your projects are financially viable.
- 07 Industry Experts**
Our team comprises seasoned professionals across civil, electrical, power generation, distribution and transmission disciplines.
- 08 Leaders in Energy and Power Infrastructure**
With extensive experience in residential, commercial and industrial projects, we are a trusted name in the energy and power infrastructure space. Our partnerships enable us to deliver world-class solutions.
- 09 Proven Track Record**
Our portfolio speaks for itself. We have a history of delivering excellent projects and engineering solutions that exceed client expectations.

Our Promise

When you choose GCE, you're choosing a partner dedicated to your success. Let us bring your vision to life with expertise, innovation and unwavering commitment.

PROJECTS

A Ghana government power system expansion project funded by Millennium Challenge Corporation with the Electricity of Ghana Company as the end user. GCE was sub contracted on this project. Our scope comprised of civil and electrical works. The overall scope was to lay 33KVA, 11KVA and fibre Optic cables and the installation of RMUs



PROJECTS

4 Bedroom Residential Electrical Project



This residential project was a complete electrical and smart energy home system including 15KWp solar home system with batteries. It is smart and fully automated residence.

We used energy saving appliances to ensure our client is saving on energy consumption.

This is one of our numerous successful projects.



info@grandcentralengineering.com
www.grandcentralengineering.com

