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Engineering without Compromise!

Services

- Automation & PLC Programming
- Industrial & Marine Maintenance
- Oil & Gas / Marine Offshore
- Power & Energy Solutions
- Equipment Rental & Supply
- Design & Technical Services



WHO WE ARE

About Stratos Engineering & Energy Ltd

Stratos Engineering & Energy Ltd is an indigenous Nigerian engineering company incorporated under the Companies and Allied Matters Act (CAMA) 2020. We provide integrated industrial, electrical, automation, oil & gas, and marine services designed to support mission-critical operations.

Our work spans installations, maintenance, automation, power systems, offshore support, and technical engineering services delivered with strict adherence to Health, Safety & Environmental (HSE) standards.



Our Vision

To be a trusted engineering and energy solutions provider, recognized for safety, reliability, and technical excellence across industrial, oil & gas, marine, and power sectors.

Our Mission

To deliver integrated engineering, automation, and energy solutions that enable our clients to operate safely, efficiently, and sustainably, regardless of operational complexity or environment.

Our Core Values

Integrity: We deliver on our promises, whatever the cost.

Safety: Zero harm is our standard.

Excellence: Technical precision in every solution.

Reliability: We handle complexity; you focus on growth.

Our Story

Stratos Engineering & Energy Ltd was born from a simple but costly realization. Several years ago, a large industrial organization rich in assets but stretched operationally was spending an excessive amount of time and money managing maintenance, equipment failures, power systems, and technical operations. Their core business was being disrupted by issues that, while critical, were not their primary focus.

Engineering problems were pulling management attention away from growth. Maintenance costs were rising. Downtime was becoming expensive. That was the turning point. Stratos was formed to change that model.

Rather than acting as a reactive contractor, we positioned ourselves as a full-spectrum engineering and facility partner taking responsibility for installations, maintenance, automation, power systems, oilfield support, and compliance. By centralizing technical execution under one accountable partner, our client was able to refocus on what they do best.



The result was immediate and measurable:

- **Improved operational efficiency**
- **Reduced downtime**
- **Better cost control**
- **Stronger focus on core business objectives**
- **Increased overall profitability**

What began as a solution for one organization quickly became a proven approach.

Today, **Stratos Engineering & Energy Ltd** delivers end-to-end engineering, energy, and facility solutions across industrial, oil & gas, marine, and offshore environments allowing our clients to operate with confidence while we handle the complexity behind the scenes. This is not just how we work. It is why we exist.



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INTEGRATED ENGINEERING SOLUTIONS

Powering Performance Through Technical Precision

At Stratos, we provide a holistic approach to industrial assets. From the initial installation of heavy machinery to complex electrical diagnostics and emergency mechanical overhauls, our multi-disciplinary team ensures your operations remain efficient, compliant, and uninterrupted.

Industrial Machinery Installation

We handle the complete life cycle of machinery deployment. Our team specializes in the precision rigging, leveling, and commissioning of high-volume production lines, ensuring that your equipment is integrated perfectly with existing utilities and control systems.



Comprehensive Maintenance Programs

We move your facility from a state of emergency “firefighting” to planned reliability. Our services include:

- **Preventive:** Scheduled inspections to catch wear before failure.
- **Corrective:** Rapid-response repairs to restore functionality.
- **Turnaround/Shutdown:** Intensive maintenance during planned outages to maximize long-term uptime.

Electrical Systems & Fault Diagnosis

Leveraging advanced diagnostic tools, we identify and resolve complex electrical issues that stall production. Our expertise spans industrial-grade power distribution, system upgrades, and localized fault isolation to protect your sensitive electronics.

Industrial & Commercial Wiring

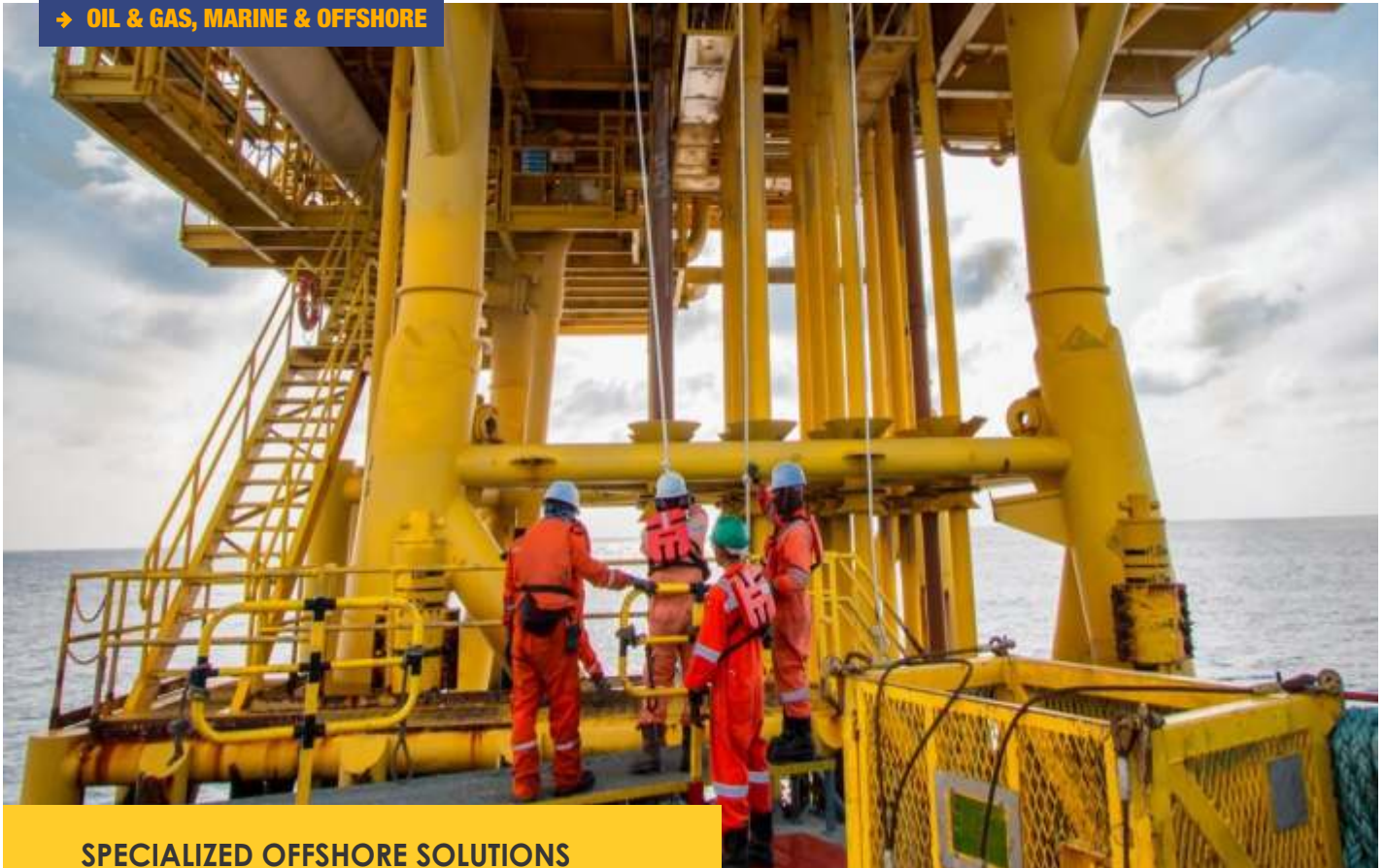
We deliver robust conduit wiring solutions designed for high-stress environments. Whether it is a large-scale industrial facility or a commercial complex, our wiring follows strict regulatory codes (CAMA/CSA) to ensure fire safety and load efficiency.

Electric Motor Services & Overhauls

Maximize the lifespan of your driving force. We provide professional motor winding, bearing replacements, and full overhauls for AC/DC motors, ensuring they operate at peak torque and energy efficiency.

Vessel Mechanical & Electrical Maintenance

Specialized support for the marine and offshore sector. We manage the unique challenges of shipboard environments, maintaining main switchboards, propulsion controls, and mechanical auxiliary systems to ensure sea-worthiness and mission readiness.



SPECIALIZED OFFSHORE SOLUTIONS

Technical Excellence in High-Stakes Environments

In the offshore and energy sectors, there is no margin for error. Stratos provides the technical backbone for oil and gas operations, ensuring that rigs, vessels, and remote facilities remain energized, automated, and compliant with the most stringent international safety standards.

Our Specialized Energy Services

Facility Electrical, Instrumentation & Automation

We provide dedicated support for the “nervous system” of oil and gas facilities. Our team manages the complex intersection of high-voltage power and sensitive instrumentation, ensuring that every sensor, transmitter, and control loop functions perfectly to prevent downtime and hazardous leaks.

Wellhead Equipment & Accessories

We supply and maintain critical wellhead components designed to withstand extreme pressures and corrosive environments. From casing heads and hangers to Christmas tree assemblies and chokes, our equipment ensures secure pressure control and structural integrity for both onshore and offshore wells.

GRP Piping Systems

Stratos specializes in the supply and installation of Glass Fiber Reinforced Plastic (GRP) pipes. These are the ideal solution for flowlines, water injection, and industrial process systems, offering superior corrosion resistance and a longer lifecycle compared to traditional steel.

Valves, Fittings & Mechanical Components

We provide a comprehensive range of high-pressure valves (gate, globe, ball, and check), fittings, and specialized mechanical components. Each part is sourced to meet precise oil and gas specifications, ensuring leak-proof performance in critical flow control applications.

Vessel & Offshore Electrical Services

Stratos keeps marine assets mission-ready. From troubleshooting propulsion control systems to maintaining main switchboards on OSVs (Oil Service Vessels), we understand the unique challenges posed by saline environments.

Rig & Remote Site Mobilization

We facilitate the rapid deployment of assets by handling the heavy-lifting of technical setup:

- **Power Infrastructure:** Designing and installing temporary or permanent micro-grids.
- **Oil Tools & Production Support:** Supply and maintenance of essential downhole and surface production tools.
- **Mobilization Support:** Managing technical logistics for moving operations to remote or deep-water locations.

Commissioning & Start-up Support

Moving from construction to operation requires precision. We provide comprehensive pre-commissioning checks, loop testing, and live start-up support to ensure your facility begins its lifecycle safely and efficiently.



The Stratos Operational Advantage

- **NIMASA & International Compliance:** We ensure all marine work meets local and global regulatory requirements.
- **Rapid Response Teams:** Specialized technicians available for emergency offshore deployments.
- **Corrosion-Resistant Engineering:** Using materials and techniques (like GRP piping and marine-grade wiring) specifically for the offshore climate.

SMART ENGINEERING SOLUTIONS

Optimizing Production with Precision Automation

In an era of rapid industrialization, manual processes are no longer enough to stay competitive. Stratos specializes in the design and implementation of intelligent control systems that reduce human error, minimize energy waste, and provide real-time visibility into your production floor.



Our Automation Expertise

PLC & VFD Programming

We provide expert programming for Programmable Logic Controllers (PLC) and Variable Frequency Drives (VFD) to streamline your motor control. Our solutions allow for precise speed regulation, soft starts, and automated sequencing that protect your mechanical assets while lowering utility costs.

Process Control Systems

From simple logic loops to complex industrial automation, we design systems that synchronize your entire production line. We integrate sensors, actuators, and controllers to ensure your facility operates as a single, efficient unit.

Custom Control Panel Design & Fabrication

We don't believe in "one size fits all." Stratos designs and builds custom control panels in-house, tailored to your specific environmental conditions and operational needs. Our service covers everything from the initial schematic to onsite installation and final commissioning.

Power Distribution & Multi-Purpose Panels

We engineer robust industrial power distribution panels and versatile control hubs designed to handle high-load demands. Each panel is built to international standards, ensuring organized cable management and easy-access points for future maintenance.

Instrumentation & Loop Testing

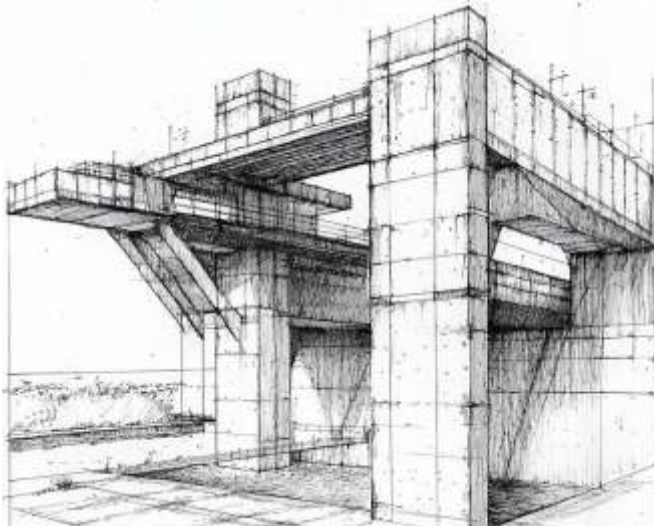
Accuracy is the foundation of automation. We handle the installation and precision calibration of industrial instruments (pressure, temperature, flow). Our rigorous loop testing ensures that every signal from the field reaches the controller with 100% accuracy.

The Stratos Advantage in Automation

Minimized Downtime: Our diagnostic programming helps identify faults before they stop production.

Energy Efficiency: VFD integration can reduce motor energy consumption by up to 30%.

Scalable Designs: We build systems that can grow alongside your business.



THE BLUEPRINT OF EXCELLENCE

Precision Engineering & Technical Documentation

Every successful project begins with a flawless design. At Stratos, we eliminate guesswork by providing high-fidelity technical blueprints and comprehensive documentation that serve as the roadmap for safe installation, efficient maintenance, and future scalability.

Our Technical Design Capabilities

AutoCAD Electrical Design & Schematics

We transform complex requirements into precise technical drawings. Using industry-leading AutoCAD software, our engineers develop detailed electrical schematics, including:

Power Distribution Layouts: Clear mapping of high and low-voltage paths.

Control Circuitry: Detailed logic diagrams for PLC and automation systems.

Technical Coding: Standardized labeling and coding that ensures any qualified engineer can navigate your system safely.

Complete Project Documentation

We believe that a project isn't finished until the paperwork is delivered. Our documentation packages provide a "Manual for Success" for your facility, including:

Technical Manuals: Step-by-step operating procedures for custom-built systems.

Compliance Certificates:

Documentation verifying that the installation meets Nigerian and Canadian engineering codes.

Maintenance Schedules: Data-driven timelines to keep your equipment running at peak performance.

As-Built Drawings

Projects often evolve during the construction phase. We provide As-Built drawings that reflect the final, exact state of the installation rather than just the original plan. This is a critical requirement for regulatory compliance and a vital tool for troubleshooting throughout the asset's lifecycle.

The Value of Technical Accuracy

Reduced Risk: Precision schematics prevent costly "trial and error" during repairs.

Regulatory Readiness: Have your documentation ready for audits and government inspections (NEMSA/CSA).

Future-Proofing: Easily integrate upgrades or expansions with a clear map of your existing infrastructure.

SUSTAINABLE POWER INFRASTRUCTURE

Reliable Energy for High-Stakes Operations

Energy instability is the single greatest threat to industrial productivity. Stratos provides resilient power solutions designed to thrive in the most demanding environments. Whether you are seeking to reduce diesel costs or require an impenetrable backup system for a remote offshore site, we engineer the power that keeps your business moving.

Hybrid Power Solutions

For facilities that cannot afford a second of downtime, our hybrid systems seamlessly integrate solar, battery storage, and existing generator or grid power. We use intelligent controllers to prioritize renewable energy, only engaging traditional fuel sources when necessary, significantly lowering your carbon footprint and operational costs.



Our Energy Expertise

Solar Power System Design & Deployment

We provide end-to-end solar solutions, from initial site irradiance audits to the supply and installation of high-efficiency PV arrays. Our designs focus on maximizing yield in tropical and temperate climates, ensuring your transition to renewable energy delivers a measurable return on investment.

The Stratos Energy Advantage

- **Fuel Independence:** Reduce reliance on volatile diesel prices by up to 60%.
- **Uninterrupted Operations:** Battery backup systems with millisecond switching times to protect your data and machinery.
- **Remote Monitoring:** Every power system we install can be monitored via a digital dashboard, allowing you to track performance and savings in real-time.

Industrial & Remote Site Power

Specializing in the “off-grid” challenge, we deploy robust power systems for remote manufacturing plants and offshore platforms. These systems are engineered to withstand harsh saline environments and provide stable, clean electricity for sensitive industrial electronics.



SAFETY WITHOUT COMPROMISE

Protecting People, Assets, and the Environment

At **Stratos**, we believe that operational excellence is inseparable from safety. Our Health, Safety, and Environment (HSE) framework is built on the “Zero Harm” principle, ensuring that every project—whether on a factory floor in Lagos or an offshore platform in the Atlantic—is executed with the highest regard for human life and environmental integrity.

Our Commitment to Compliance

Strict Adherence to HSE Policies

We don't just follow safety rules; we integrate them into our DNA. Our policies are aligned with both Nigerian statutory requirements and

International Standards Organization (ISO) benchmarks.

- **Stop-Work Authority:** Every team member is empowered to halt operations if an unsafe condition is detected.
- **Continuous Training:** Regular drills and safety certifications ensure our staff are prepared for high-pressure industrial environments.

Risk Assessments & Method Statements (RAMS)

Before a single tool is lifted, we conduct a granular analysis of the project site.

- **JHA (Job Hazard Analysis):** Identifying potential risks specific to the task at hand.
- **Method Statements:** Providing a step-by-step technical breakdown of how the work will be performed safely.
- **On-site Supervision:** Dedicated safety officers monitor every phase of execution to ensure compliance with the agreed-upon RAMS.

Regulatory & Industry Compliance

Navigating the legal landscape of the Energy and Marine sectors requires specialized knowledge. Stratos ensures your projects meet the rigorous standards of:

- **DPR/NUPRC & NNPC:** Full compliance for upstream and downstream operations.
- **NIMASA & IMO:** Ensuring marine and vessel maintenance meets international maritime laws.
- **CAMA 2020:** Maintaining transparent corporate governance and reporting.
- **Canadian Engineering Standards (CSA):** Bringing North American precision to local safety protocols.



ON-DEMAND TECHNICAL ASSETS

Reliable Equipment and Spares to Keep You Moving

Project delays are often caused by the lack of specialized tools or a single missing component. Stratos eliminates these bottlenecks by providing a robust inventory of high-grade industrial equipment for rent and a streamlined supply chain for critical spare parts.

We ensure you have the right assets, exactly when and where you need them.

Our Rental & Supply Solutions

Industrial, Electrical & Power Equipment Rental

High-performance projects require high-performance tools. We offer a fleet of well-maintained equipment available for short-term or long-term hire, including:

- **Power Generation:** Mobile generators and temporary industrial-grade battery banks.
- **Diagnostic Tools:** Thermal imaging cameras, Megger testers, and power quality analyzers.
- **Lifting & Rigging:** Specialized gear for machinery installation and heavy-duty industrial moves.



The Stratos Safety Advantage

- **Audit-Ready Documentation:** We provide full safety dossiers that make your facility ready for any third-party inspection.
- **Environmental Stewardship:** Our processes include waste management and spill prevention protocols to protect the ecosystems where we work.
- **Lower Liability:** A clean safety record reduces your insurance premiums and protects your corporate reputation.

→ EQUIPMENT RENTAL & SUPPLY



Offshore & Remote Site Support

Operating in a remote environment requires a partner who understands logistics. We provide dedicated rental support for rigs, vessels, and remote field sites, ensuring all equipment is:

- **Marine-Certified:** Built to withstand corrosive and high-vibration environments.
- **Pre-Inspected:** Every rental unit undergoes a rigorous technical check before mobilization.
- **Technician-Supported:** Optional on-site operators to manage and maintain the equipment during the rental period.

Industrial Spare Parts & Consumables

Minimize your Mean Time to Repair (MTR) with our precision supply chain. We source and supply authentic components and consumables, specializing in:

- **Automation Spares:** PLCs, VFDs, contactors, and sensors from world-leading brands.
- **Mechanical Components:** Bearings, seals, GRP piping accessories, and motor components.
- **Industrial Consumables:** High-grade

lubricants, specialized fasteners, and electrical wiring accessories.

The Stratos Supply Advantage

- **Quality Assurance:** We only supply genuine parts to prevent the "cheap part" failure cycle that damages your machinery.
- **Strategic Logistics:** Rapid delivery to remote sites and offshore locations to reduce your operational downtime.
- **Flexible Rental Terms:** Scalable agreements that match your project's duration and budget.





THE STRATOS DIFFERENCE

Why Industry Leaders Trust Us

Engineering challenges shouldn't stall your growth. At **Stratos**, we bridge the gap between complex technical requirements and operational efficiency. By combining a "Zero Harm" safety culture with deep expertise in automation and offshore support, we ensure your assets work harder, last longer, and stay compliant—regardless

of the environment.

- **Single-Point Accountability:** We handle everything from design to maintenance, allowing you to focus entirely on your core business.
- **Safety-First Culture:** Our "Zero Harm" policy isn't a goal—it's our standard. We operate with strict HSE compliance in high-risk environments.

- **Global Expertise, Local Roots:** With offices in Nigeria and Canada, we combine indigenous insights with international engineering standards.
- **Proven Track Record:** Trusted by industry leaders like Dangote and Belemoil for mission-critical automation and infrastructure.
- **Rapid Mobilization:** We understand the cost of downtime. Our technical teams are equipped for fast deployment to remote, onshore, and offshore sites.
- **Technical Excellence:** We don't just fix problems; we optimize systems using advanced PLC programming and precision engineering.

PROVEN TRACK RECORD

Trusted by Industry Giants

We are proud to partner with organizations that demand the highest standards of technical precision and safety.

From multinational oil corporations to large-scale manufacturing plants, Stratos delivers the engineering excellence required to power mission-critical operations across the globe.



in X @ f / stratosee



 +234 907 164 6443

 info@stratosee.com / stratoseltd@outlook.com

Port Harcourt Office

 127B Trans-Amadi Beside Coca-Cola Slaughter Road
Port Harcourt, Nigeria

Lagos Office

 Abule Egba, Lagos 102213, Lagos, Nigeria