



We are one of the leading companies in Nigeria providing power and mechanical services

An indigenous  
**Electrical  
Engineering  
Service Company**

# ABOUT US

John I. Bipialaka (JIBS) Engineering Services Limited, incorporated in 1997 in Port Harcourt, is an indigenous Engineering services company capable of handling every conceivable type of project in electrical engineering and allied field of technology. As a player in the global oil and gas industry, we have completed several EPC contracts with some of the world's leading oil and gas companies. Our clients include AGIP (NAOC), NOTORE, Total Producing Nigeria, Shell petroleum, NNPC and

World Bank.

We are one of the leading companies in Nigeria providing power and mechanical services that enable utility and industrial customers to improve their performance while lowering negative environmental impact.

The John I. Bipialaka (JIBS) Engineering Services Limited workshop facility provides modern technology for various tasks, including civil

engineering, fabrications, rewinding electrical motors, building electrical distribution panels, and building Motor Control Centers (MCCs) and more thereby acquiring a reputation in the industry for applying the most exact international standards to all our projects, regardless of size, a factor which is largely responsible for our success as well as our decidedly bright prospect for the future. We adhere to a methodology of providing cost effective and quality driven solutions to our clients.

## Mission

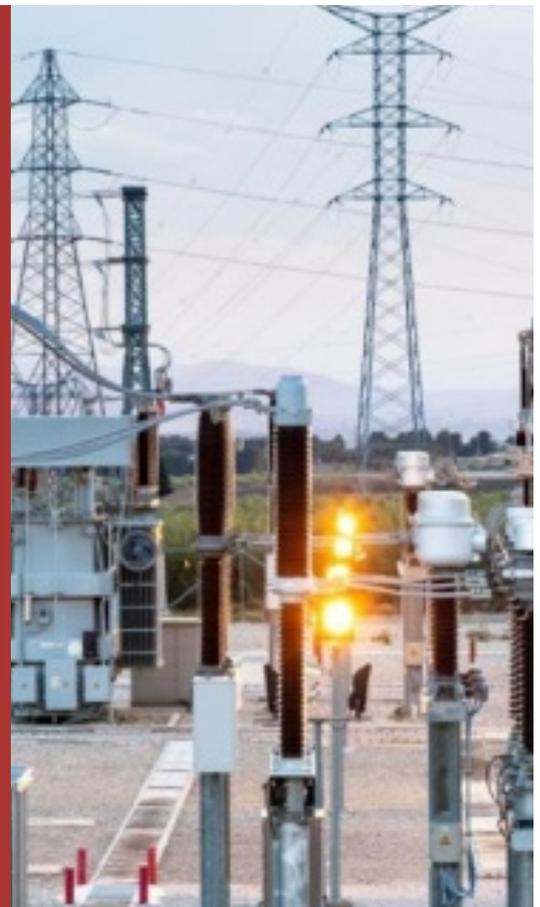
Our mission is to deliver innovative, reliable, and sustainable electrical engineering solutions that ensure optimal performance, safety, and customer satisfaction.

## Vision

Our vision is to be a leading provider of cutting-edge electrical engineering solutions, driving innovation and sustainability to power a smarter, more efficient future.

## Core Value

Our core values are innovation, integrity, safety, and sustainability. We are committed to delivering high-quality electrical engineering solutions that prioritize efficiency, trust, and environmental responsibility.



# WHAT WE DO

+ Electrical Machines Maintenance

+ Project Management

+ Electrical & Instrumentation Control Design

+ Technical Training & Certification

+ Package & Compact Sub-stations

+ Sales, Procurement, Supply & Equipment Leasing

+ Cable Management & Underground Voltage Cable Fault Tracing

+ Low & Medium Voltage Switch Gear Maintenance, Relay

Calibration and Retrofitting, etc.

## Additional Field Services

+ Rural Electrification

+ Start up

+ Diesel Generating Plants

+ Training

+ High Capacity Grid Stations

+ Consulting

+ Integrated Energy System Design

+ Procurement

+ Thermal & Gas Based Power Station

+ Construction

+ Supervision of construction and erection

+ Equipment Design

+ Design & Building of Injection Sub - Station (33/11KV)

+ Engineering design

+ Building of Electrical Panels (Motor Control Centers)

+ General Plant Layout

+ Building of Electrical Panels (Power Distribution Panels)

+ Electrical and Mechanical Systems

# Electrical Machines Maintenance

We specialize in delivering cutting-edge solutions for electrical machines maintenance. Whether you're looking to upgrade your existing equipment, design a new system, or need expert maintenance and support, we are here to serve you with unparalleled expertise and dedication.

## 1. Electrical Machine Design & Manufacturing

We design and manufacture high-performance electrical machines tailored to your specific needs. From motors and generators to transformers and custom machines, we ensure the highest standards of quality and efficiency in every product.

## 2. System Integration & Solutions

Our team specializes in integrating electrical systems for maximum reliability, safety, and performance. We provide end-to-end solutions that align with your operational requirements, ensuring seamless

coordination between components for optimum functionality.

## 3. Installation & Commissioning

We offer expert installation and commissioning services, ensuring that all electrical systems are correctly set up, thoroughly tested, and ready to deliver high performance right from the start.

## 4. Maintenance & Repair Services

Our proactive maintenance services are designed to extend the life of your electrical machines and systems, minimize downtime, and reduce operational costs. In case of any malfunction, our expert technicians

offer rapid response repair services to get your systems up and running quickly.

## 5. Upgrades & Retrofit Solutions

Stay ahead of the curve with our upgrade and retrofit solutions. We help modernize your existing systems with the latest technology and innovations to improve efficiency, reduce energy consumption, and meet evolving industry standards. 6. Troubleshooting & Diagnostics. Our diagnostic services identify and resolve issues efficiently. We use advanced testing equipment and industry-best practices to pinpoint problems and restore optimal performance.



# Project Management

We deliver innovative and effective project management solutions that drive success. Whether you're managing a large-scale initiative or a smaller project, we offer the expertise and tools to keep your efforts on track, on time, and within budget.

## 1. Project Planning and Strategy

We assist in defining your project scope, goals, and deliverables. Our strategic planning process includes developing detailed project plans, schedules, and risk assessments, ensuring every aspect of the project is aligned with your business objectives.

## 2. Budgeting and Resource Management

Our team provides precise budgeting and resource allocation, ensuring that the right resources are available at the right time, all while managing costs efficiently. We focus on delivering value within your budgetary constraints.

## 3. Risk Management and Mitigation

We help identify potential risks early on and create proactive solutions to minimize their impact on your project. Our risk management approach ensures your project runs smoothly without unforeseen challenges.

## 4. Project Execution and Monitoring

From start to finish, we monitor project progress against key milestones, adjusting timelines and resources as needed to ensure on-time delivery. Our real-time project tracking systems allow for prompt issue resolution and performance optimization.

## 5. Stakeholder Management and Communication

We understand the importance of engaging stakeholders and keeping all parties aligned. Our team ensures consistent communication and manages expectations, ensuring everyone involved is informed and committed to project success.

## 6. Post-Project Evaluation

Once the project is complete, we provide a detailed post-project review, assessing performance, lessons learned, and areas for improvement. This ensures your next project is even more successful.



# Electrical & Instrumentation Control Design

We offer top-tier instrumentation and electrical design services, creating robust, reliable, and efficient systems for your industrial and commercial needs. Our experienced team of engineers provides innovative solutions that optimize performance, enhance safety, and ensure compliance across various sectors.

## 1. Electrical System Design

We design electrical systems that power your operations safely and efficiently. Our services include low-voltage and high-voltage distribution, power generation and distribution systems, electrical panel design, lighting systems, and fault analysis.

## 2. Instrumentation Design & Engineering

Our instrumentation design services cover the development and implementation of control and monitoring systems that measure critical parameters such as pressure, temperature, flow, and level. We provide both analog and digital instrumentation solutions that ensure your systems operate smoothly and reliably.

## 3. Control Systems Design

We create advanced control systems that integrate seamlessly with your processes. From PLC programming to SCADA systems, we ensure your control systems are efficient, reliable, and easy to operate.

## 4. Automation Solutions

We design and implement automation systems that enhance operational efficiency and reduce manual intervention.

Our solutions use the latest technologies, including DCS (Distributed Control Systems), PLC (Programmable Logic Controllers), and HMI (Human-Machine Interface).

## 5. System Integration & Commissioning

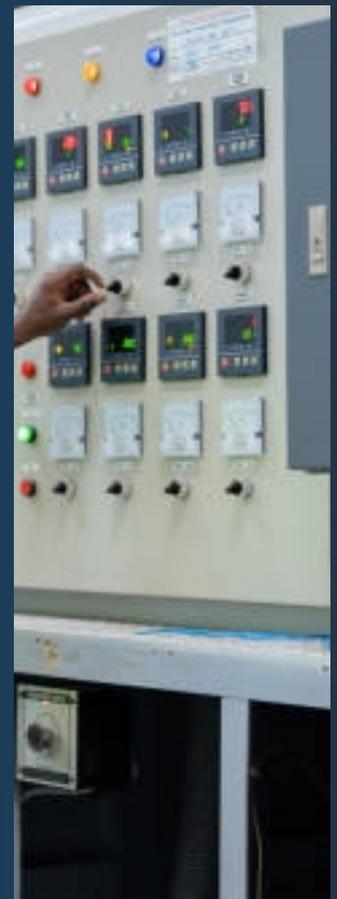
Our team provides integration of instrumentation, electrical systems, and automation into your existing infrastructure. We handle system commissioning, ensuring that all components work in harmony, from initial testing to full operational deployment.

## 6. Hazardous Area Design

For projects in hazardous environments, we specialize in designing electrical and instrumentation systems that meet rigorous safety standards, including explosion-proof and intrinsically safe designs.

## 7. Technical Support and Maintenance

We offer ongoing technical support, system upgrades, and preventative maintenance services to ensure the longevity and reliability of your systems. Our team is always available to assist with troubleshooting, repairs, and system optimization.



# Technical Training & Certification

We specialize in providing world-class Training Solutions and Equipment Design services to help organizations excel and thrive in their respective industries. Whether you're looking to enhance employee skills or create custom-designed tools to optimize performance, we are here to guide you every step of the way.



## 1. Tailored Training Programs

We provide tailored training programs that are specifically designed to meet the unique needs of your workforce. Whether it's technical, safety, leadership, or compliance training, our interactive learning experiences are created to enhance skills and increase productivity. With both in-person and virtual training options available, we ensure that all team members, regardless of location, receive the same high-quality instruction. Our industry-specific expertise covers a wide range of sectors, from manufacturing to healthcare, ensuring that the training content is relevant and effective for each field.

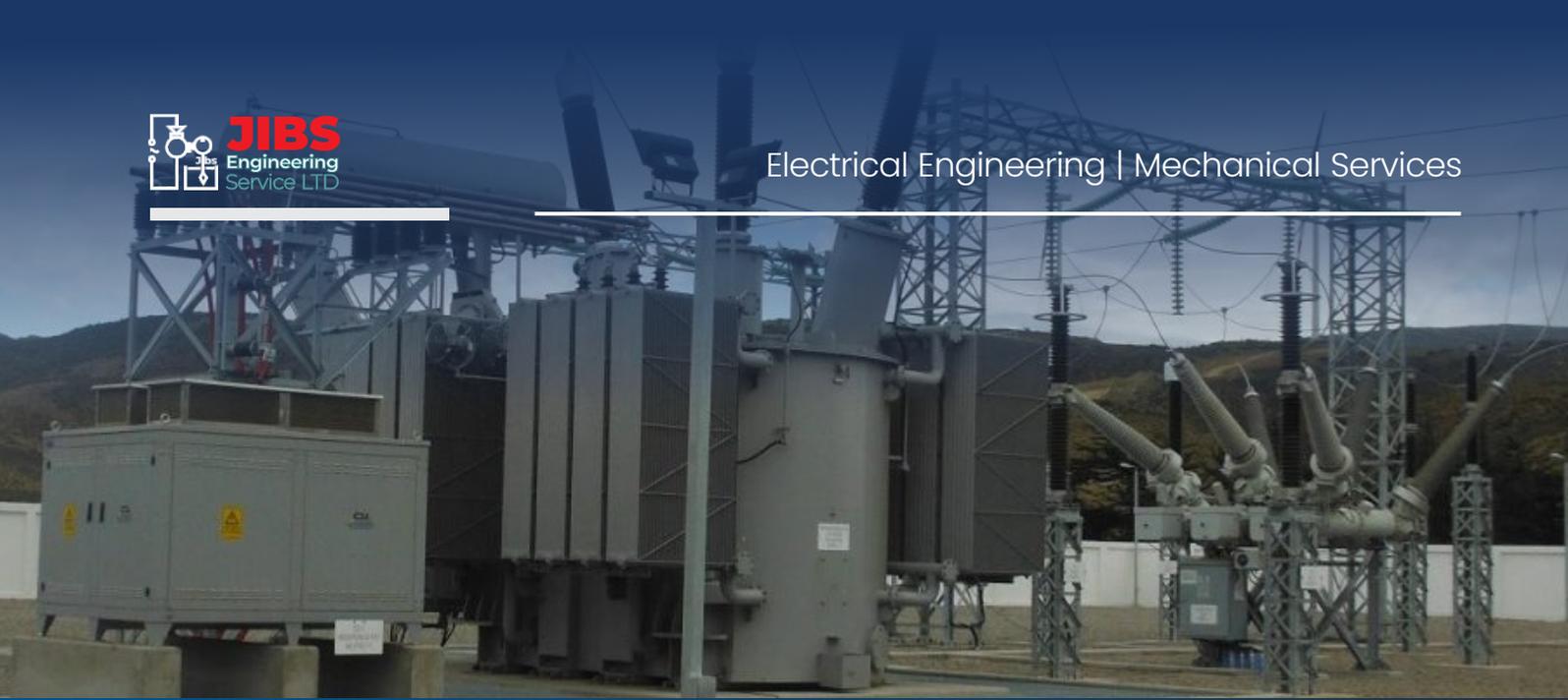
## 2. Equipment Design & Prototyping

We specialize in delivering custom electrical engineering training solutions, focusing on the design and implementation of innovative, efficient, and

reliable systems tailored to the unique needs of your organization. Whether you're in the industrial, medical, or commercial sector, our training programs ensure your team understands and applies the highest standards in performance, safety, and regulatory compliance. Our curriculum includes hands-on prototyping and testing methodologies to ensure trainees can translate theory into real-world applications. By leveraging the latest advancements in electrical engineering tools and technologies, our training enhances technical skills, boosts operational efficiency, and promotes cost-effective, safe engineering practices.

## 3. Certification

Upon successful completion of the program, participants will receive a certification that validates their skills and readiness to meet the demands of the modern electrical industry.



# Package & Compact Substations

We design, install, and maintain high-quality injection substations to ensure the safe and efficient operation of your energy systems. Whether you need a new substation or maintenance for an existing one, we are your trusted partner.

## Custom Injection Substation Design and Engineering

Our expert engineers work closely with you to design custom injection substations that meet your specific energy requirements, providing end-to-end solutions from planning and design to installation. We offer power injection capacity assessments, create tailored substation designs, integrate renewable energy systems, and ensure compliance with both local and international standards.

## Installation and Commissioning

Our skilled technicians manage the full installation and commissioning of injection substations, ensuring efficient operation with a focus on safety, quality, and minimal downtime. We handle site preparation, electrical connections, equipment setup, and perform thorough system testing and performance verification.

## Maintenance and Upgrades

We provide ongoing maintenance and system upgrades to ensure the reliability and efficiency of your injection substation. Regular

maintenance helps reduce the risk of costly breakdowns and ensures optimal performance. Our services include routine inspections, preventive and corrective maintenance, and upgrades to enhance capacity and performance.

## Emergency Response and Repairs

We offer 24/7 emergency response and repair services to quickly address power disruptions. Our team ensures fast response times, minimizing downtime and swiftly restoring normal power injection functionality.



# Cable Management & Underground Voltage Cable Fault Tracing

**Services Include:**

- + Structured cable management systems
- + Underground cable mapping and tracing
- + Fault detection and pinpointing
- + Repair support and diagnostics
- + Preventive maintenance inspections

We specialize in delivering efficient and reliable cable management solutions and underground voltage cable fault tracing services for commercial, industrial, and utility sectors. Our expert team ensures organized cable systems that improve safety, performance, and maintenance efficiency.

Using advanced fault detection technology, we accurately locate underground cable faults to minimize downtime, reduce excavation costs, and restore power swiftly. Whether it's routine maintenance or emergency support, we are committed to ensuring uninterrupted electrical connectivity with precision and professionalism.

# Low & Medium Voltage Switch Gear Maintenance, Relay Calibration & Retrofitting, etc.

We provide specialized services in low and medium voltage switchgear maintenance, protective relay calibration, and system retrofitting to ensure the reliability, safety, and longevity of your electrical infrastructure. Our experienced engineers and technicians follow industry best practices and safety standards to perform comprehensive inspections, testing, and upgrades that minimize downtime and prevent costly failures.

**Our Services Include:**

- + Preventive & corrective maintenance of LV/MV switch gear
- + Relay testing, calibration, and coordination studies
- + Retrofitting outdated components with modern, efficient solutions
- + Partial discharge testing and thermal imaging
- + Compliance with IEC, IEEE, and utility standards

# Some of our Clients



## Work History (Excerpts)

| Service Provided   | Client             | Year | Status    |
|--|--------------------|------|-----------|
| Construction of Okujagu-ama 80m/70m 330KV                              | Okrika L.G.A       | 2024 | Completed |
| Site Assistance for BF AIS MV SWITCHGEAR MODIFICATION                  | Shell              | 2024 | Ongoing   |
| Modification of B3 HVAC 2500Amps Switchgear distribution               | Shell              | 2024 | Completed |
| 2 Nos 43 meters, 33kv tower const., & installation for electrification | Okrika L.G.A       | 2024 | Ongoing   |
| Maintenance of External & Security Light                               | Agip (OANDO)       | 2023 | Completed |
| Offloading & Installation of 2 Nos5MVA 33/11KVA Packaged Substation    | NLNG               | 2020 | Completed |
| Regular Maintenance of Non-caterpillar Emergency Diesel Generators     | Agip (OANDO)       | 2018 | Completed |
| Design, Construction and Installation of AMF Panel                     | SPDC               | 2017 | Completed |
| Repair and Restoration of P35 FIREPUMP in Brass                        | NAOC (OANDO)       | 2016 | Completed |
| Built, Supply and Installation of 2500a Changeover Panel               | Lasien             | 2015 | Completed |
| Replacement of Burnt Electrical Distribution Panel                     | Monipulo           | 2014 | Completed |
| Test on Generator Secondary Injection Protection Relays                | Dangote            | 2014 | Completed |
| Upgrade of 7.5mva 33/11kv To15mva & Construction of Transformer Base   | Uniport            | 2013 | Completed |
| Overhead Line Installation Work Forministry of Power Rivers State      | MOH RVSG           | 2013 | Completed |
| Supply and Installation of 126,000 single & PHCN Prepaid Meters        | PHCN               | 2010 | Completed |
| Purchase & Installation of 3 Nos. Generator Synchronizing Panel        | Rivers State Govt. | 2008 | Completed |
| Installation of 500KVA Transformer                                     | Total Elf          | 2007 | Completed |
| Construction & Installation of 2 x 2500AIncoming Panel                 | FAN PLS            | 2006 | Completed |
| Replacement of Faulty Switchgear in Data Centre A/C Chiller            | Shell              | 2004 | Completed |
| Overhaul & Maintenance of 12v92 Detroit Diesel 471KVA generator        | NAFCON             | 2002 | Completed |
| Construction & Installation of 2Nos.500KVA 11/0.415KV Substation       | Michelin           | 2000 | Completed |

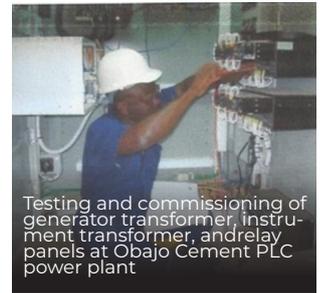
# Project Highlights



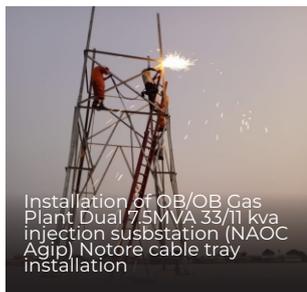
Kwale flow station power centre upgrade (Agip NAOC)



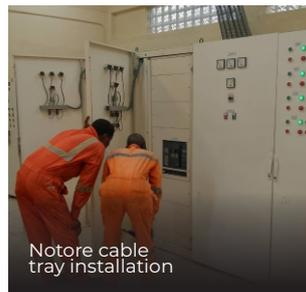
Elelenwo ISMVA 33/11kv injection sub-station (MOP) Rivers State Government



Testing and commissioning of generator transformer, instrument transformer, and relay panels at Obajo Cement PLC power plant



Installation of OB/OB Gas Plant Dual 7.5MVA 33/11 kva injection substation (NAOC Agip) Notore cable tray installation



Notore cable tray installation



Installation & commissioning of Iriebe dual 15MVA, 33/11kv injection sub-station



OB/OB gas plant medium voltage switch gear repairs, Agip (Oando)



JIBS team at Santa Barbara for revamping of low/medium voltage ABB switchboards



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