

LAWAL JIMOH RAIFU

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SELF-DRIVEN, POWER GENERATION DESIGNS, INSTALLATION, OPERATION AND MAINTENANCE SPECIALIST

An erudite electrical engineering professional with Integrity, leadership qualities, excellent project execution and administrative capabilities with over 28 years of power sector management experience. Whilst also enhancing skills and knowledge in other core sectors such as Natural Gas (pipeline and CNG') supply management.

Top Performer and motivator who has the added advantage of technology as leverage to achieve timely results.

Proven track record of sticking to objectives and making the most out of the available resources.

PROFESSIONAL SUMMARY

- **Project Contract Manager** - NLNG-MSC3 Contract, Arco M&E (A Subsidiary of Arco Group) an established Maintenance and Engineering Services Company with vast experience and excellent track record in the Oil & Gas Sector.
 - Established strategies and processes for the planning and execution of major Planned shutdown maintenance focusing on various business delivering objectives.
 - Planned and executed Trains 1-6 yearly Turn around Maintenances and eleven (11) GE' Gas Generators (45MW@11Kv) Major and Combustion System Inspection in Collaboration with the OEM.
 - Non-Routine maintenance plan and execution for the entire Trains 1-6 Gas plant ancillary equipment.
 - Coordination with Operations to ensure permit completion and equipment availability as indicated in the integrated shutdown schedule.
 - Implemented a robust HSE plan and identification of all high-risk tasks.
 - Collated input into the client's long-term shutdown ISDP (5 years Plan).
 - Managed and coach supervisors in departmental training and upgrading of employees' skills, compliance and departmental scheduling and productivity.
 - Ensure all Planned Shutdown Turn around maintenance are achieved as planned and within budget without compromising safety.
- **General Manager, Technical Services**, Frequency & Hertz Limited, an emerging Energy Services Company that specializes on Power Generation and distribution infrastructure development in the Oil & Gas and Industrial Sector.
 - Project Sourcing and Business Strategy/Development to achieve share holder's objective and cooperate vision.
 - Developed strategies that enhanced Business Growth, People development, Cost control and Revenue generation that improve company's outlook and performance.
- **National Power Plant Manager**, Nigerian Bottling Company Ltd (CCHBC'- Nigeria), Authorized Bottler of Coca-Cola Products in Nigeria.
 - Developed and implemented strategies for the safe and cost-effective Installation and Maintenance of power plants equipment for Thirteen (13) bottling plants operation and Fifty-five (55) Depot / storage facilities.
 - Implemented Power Generation Cost reduction drive via outsourcing and continuous improvement in fuel mix ratio and fuel consumption monitoring to determine power plant efficiency.
 - Visiting Lecturer at Nigerian Bottling Company's Technical Training College (TTC), impacting practical electrical engineering knowledge to the New Management Trainees.
 - Introduced Co-Generation – Combine heat and Power (Chp) plant to improve energy cost and efficiency.

- **Senior Manager/ Group Head of Construction**, Negril Limited, an Oil & Gas Services Company
 - Proven success leading Oil & Gas and industrial-scale engineering and construction projects.
 - Specialist on Solar Gas Turbines Generator and ancillary Electrical Equipment Installation for Power Generation.
 - Expertise in planning and management of complex, multimillion-dollar power plant projects.
 - Adept at managing project scope, cost, materials, resources, schedules and local community.
 - Expert in operational safety (HSEC) best practices with demonstrated mastery of complex compliance requirements (government regulatory requirements in power sector and natural gas supply).
 - Proficient in power plant project viability evaluation based on business case and environmental impact assessment.

PROFESSIONAL SKILLS

- Exceptional oral and written communication (Communication Proficiency).
- Health, Safety & Environment (HSE) best Practises.
- EPC of Complex, multimillion-dollar power plant projects for diverse industries.
- Leadership and Strategic Thinking.
- Systems Utilization and Technology.
- Negotiation.
- Risk Management.
- Gas Turbines Power Plant viability study and business case evaluation/ Analysis.
- Regulatory Compliance Management (NERC / DPR)
- Power Plant Equipment Selection, Evaluation and Installation Standards implementation (Oil & Gas / Industrial Sector)
- Contracts and Contractors Performance Management (PPA/GSPA)
- Budgeting, Financial Analysis and Cost Management.
- Effective Project Planning and Reporting.
- Analytical and Problem solving.

PAST SUCCESSES

- Achieved Train 4 Turn Around Maintenance ahead of schedule (39 instead of 40 days) without LTI or Fatality – received a commendation letter – NLNG: Arco M&E Operation
- Earned Early Promotion from AGM to GM within six months of assuming office - over N100million extra revenue achieved by introducing buy-back option for rental equipment. - Frequency and Hertz Ltd
- Improved Power Generation fuel mix ratio (Gas vs Diesel) from 1:9 to 7:3 within two years of assuming office with savings of over N3.5Billion (Naira) – (Commendation Letter received) Nigerian Bottling Company Ltd.
- Reduced energy cost (cost per case) by 20% through the introduction of Cogeneration (Combined Heat and Power – CHP) Power plants in five bottling plants – Nigerian Bottling Company Ltd
- Emergency repair of SPDC (Shell) Bonny Terminal Emulsion plant low voltage switchboard. The switchboard was damaged by fire and was made operational within 3days thereby saving Shell from a substantial loss of crude oil production – (Award Received with Commendation Letter) - Negril Limited.
- Letter of Commendation /award for Excellent Community Management during Laying of **2runs of 3x240mm2 pvc/xlpe/ swa /pvc 11kv cable** and fibre optic signal cable over **6km distance** between Shell (SPDC) Industrial area and residential area in Port Harcourt without any incidence having eight (8) communities to contend with. – Negril Limited.
- Early promotion – Electrical Superintendent to Site Manager within two months of resuming on site for the installation of Bonny Terminal, 4 x10MW Solar Mars 100 Gas Turbine Generators for Shell at Bonny Crude Oil Terminal (BCOT) – Negril Limited
- NYSC state award for the Design and Construction of a 3-bladed Horizontal Axis Wind Energy Conversion System – Sokoto Energy Research Centre, Uthman Dan Fodio University, Sokoto State.

PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS

DEC 2020 – TILL DATE

PROJECT CONTRACT MANAGER - NLNG-IMSC3 CONTRACT - ARCO M&E

- Achieved Train 4 Turn Around Maintenance ahead of schedule (39 instead of 40 days) without LTI or Fatality
- Accountable for safety of the shutdown execution team, communicating with the area team on the work planned for optimal execution.
- Delivered Train 4 Gas plant Turn around Maintenance ahead of schedule and within budget.
- Developed training program for the technical and non-technical staff for man power development.
- Achieved Non-Routine Maintenance Campaign as scheduled and within budget while focusing on safety.
- Oversee the formulation of policies and standard operating procedures in line with company strategy and business goals
- Ensure complete compliance and on-going improvements to best practices for technical and operational support processes
- Formulate and implement necessary changes to people, processes and tools to continuously increase efficiency, improve quality and eliminate operational bottlenecks. Establish, plan and provide for current and future resource/capacity requirements
- Ensure on-going benchmarking and improvement of core skills across various units within the team- Ensure the availability of technical and business-related documentation required for the smooth functioning of all functions within the team
- Maintain safe and healthy work environment by establishing, following, and enforcing standards and procedures; complying with legal regulations and ensure these standards are kept in the delivery of our services.

• MAY 2018 – DEC 2020

• **GENERAL MANAGER-TECHNICAL SERVICES - FREQUENCY & HERTZ LIMITED (FHL')**

- Increased company's Revenue base (>15% monthly) by outsourcing some project tasks and manpower which reduced wastages, role duplication and company's overhead.
- Introduced new approach to IPP/ Captive Power plants contract sourcing that yielded excellent results.
- Maximized Power Plant Equipment rental profit by 20% above previous month on assumption of office and sustained at 10% average monthly increment through the introduction of buy back option (Generators, Transformers and Load bank)
- Introduced monthly joint feedback session for all Project Managers which created awareness for stakeholders and visibility for project managers. This engendered positive and healthy competition among project managers.
- Packaged in-house training on regulatory requirements and (PPA/GSPA) contract management for all the project managers.
- Developed training program for the technical and non-technical staff for man power development.
- Improved the existing staff appraisal system by introducing KBI based assessment for all staff
- Introduced Business Plan and Budget Control as part of Project Manager's KBI"
- Developed Contracts Evaluation and Implementation procedures
- Introduced Monthly Technical / Financial report presentation to the COO / Board.
- Lead the formulation of business strategy with other executive team members
- Manage overall organisation's ongoing projects, organisational operations and procedures.

• OCT. 2008 – MAY 2018

NATIONAL POWER PLANT MANAGER - NIGERIAN BOTTLING COMPANY LTD (COCA-COLA HBC),

- Achieved 85-95% power supply availability in 13 bottling plants and 50 depots across Nigeria utilising gas/diesel generators, public electricity supply (Phcn), and Cogeneration (CHP plants)
- Power generation cost as the element of production cost moved from 35% to 25% and stabilized at 22% for 4 consecutive years through increased efficiency of power plant equipment.
- Improved Cumulative fuel efficiency of generators from 2.8Kwhr/Litre to 3.2kwhr/Litre by introducing preventive and planned maintenance system.
- Reduced energy cost (Power Generation) by 20% by introducing Cogeneration (Combine heat and Power- CHP) plants in five (5) bottling plants. Steam production from gas generator exhaust system via WHRB' instead of using gas.
- Developed in house training and capability development to enhance staff efficiency and ability to carry out current and future responsibilities.

- Introduced annual technical assessment / audit of power generating equipment, in terms of performance / efficiency /safety and implementation of corrective actions in thirteen bottling plants.
- Achieved the Upgrade of Nbc Port Harcourt 3 x 1750Kw power plant to 2 x 2000kw + 3 x 1750kw, natural gas fired Combined heat and power(CHP) plant in (3) months as against seven (7)months projected by introducing containerized modular system.
- Introduced Natural gas supply to Mushin depot and four(4) bottling plants (Namely, Ikeja, Benin, Port Harcourt and Owerri) locations for power and steam generation there by reducing cost of energy by more than 40% and reduction in environmental pollution (Carbon Credit)
- Achieved 30% reduction in natural gas supply take or pay contractual value by combining Gas Supply Purchase Agreement (GSPA) for Ikeja and Apapa bottling plants and Mushin depot GSPA into a single contract.
- Developed both technical and Legal frame work with **Ikeja Disco** for the supply of excess power from Nbc Ikeja IPP Plant to the Grid /dedicated off-takers around Ikeja district.
- Visiting Lecturer/ Instructor at Nbc Technical Training College (TTC'), Ikeja .

AUG. 2007 – OCT. 2008

SENIOR MANAGER/ GROUP HEAD OF CONSTRUCTION

-NEGRIS LIMITED, AGUDA-OGBA, IKEJA, LAGOS

- Introduced target-oriented project management system to project managers and monitor implementation of set targets.
- Served as corporate IPP Project and Industrial Project Anchor, representing the organization in (local and overseas) project meetings , analysing technical project details and Contracts evaluation.
- Provided purposeful leadership and motivate staff (by providing incentives and recognition for outstanding performance) to deliver cost effective and efficient operation without compromising Health & Safety.
- Developed Contractor's Performance Management system whereby contractor's performance is evaluated at the end of each year.
- Achieved 20-35% average project cost reduction by outsourcing less critical tasks to subcontractors.

JAN. 2006 – AUG. 2007

SENIOR PROJECT MANAGER (COMPLEX PROJECTS)

- NEGRIS LIMITED, AGUDA-OGBA, IKEJA, LAGOS

- Implemented the Supply of Turbo generators and Compressors to Nigeria Agip Oli Company (NAOC') for Idu field, including Installation Supervision
- Championed the Installation and Commissioning of a 10MW Gas Turbine IPP Power Plant, Ikorodu Industrial Area'
- Constructed and handed over on record time, namely:
 - 3 x 5.5MW Gas Turbine Power Plant for TOTAL new office complex, Trans Amadi, Port Harcourt
 - Solar Centaur 40 Turbo compressor at NAOC Ebocha Oil field.
- Project coordination and timely delivery within budget.

NOV. 2004 – JAN 2006

LEAD COMMISSIONING ENGINEER

- NEGRIS LIMITED, AGUDA-OGBA, IKEJA, LAGOS

- Developed procedure and led the pre-commissioning checks and commissioning of a 10MW (10MW @11KV) Solar Gas Turbines Mars 100 Generator Set and ancillary Equipment at SHELL Industrial Area (IA) Office, Port Harcourt.

MARCH 2003 – NOV 2004

PROJECT MANAGER

-NEGRIS LIMITED, TRANS AMADI IND. ESTATE, PORT HARCOURT, RIVERS STATE.

- Constructed 20MW (2x10MW @11KV) Solar Gas Turbines Mars 100 Generator Sets and its ancillary Equipment for Nigeria Agip Oil Company (NAOC), Idu Gas Recovery field - Port Harcourt, Nigeria.

FEB. 2002 – MARCH 2003

ELECTRICAL SUPERINTENDENT

-NEGRIS LIMITED, TRANS AMADI IND. ESTATE, PORT HARCOURT, RIVERS STATE.

- Implemented the timely installation and Commissioning of 3 x 10MW (at 11KV) Solar Mars 100 Gas Turbine Generators, 3nos. 25MVA(11/33KV) Step - up Transformers, 11/33KV Breakers, LV/MCC Panels, 800KVA Black Start gen. set etc for Rivers State Government of Nigeria Independent power plant project – Trans Amadi, Port Harcourt.

MARCH 2000 – JAN. 2002

SITE MANAGER

- NEGRIS LIMITED, TRANS AMADI IND. ESTATE, PORT HARCOURT, RIVERS STATE.

- Installed and delivered 4 x10MW Solar Mars 100 Gas Turbine Generators and ancillary equipment to SHELL at Bonny Crude Oil Terminal (BCOT) - Bonny Island.

AUG. 1999 – FEB. 2000

COMMISSIONING ENGINEER' - NEGRIS LIMITED, TRANS AMADI IND. ESTATE, PORT HARCOURT, RIVERS STATE

- Developed project scope and led the installation of electrical equipment, namely: diesel engine generator sets, Transformers, Overhead HV/LV power lines, LV Panels etc for Rivers State Government of Nigeria rural electrification project.

DEC. 1997 – AUG. 1999

SENIOR PROJECT ENGINEER' - NEGRIS LIMITED, TRANS AMADI IND. ESATE, PORT-HARCOURT RIVERS STATE.

- Installed 2x10MW Solar Mars Gas Turbine Power Plant and ancillary equipment (LV/ HT Panels, Transformers, fuel gas compressors etc) up to 11KV at SHELL (Industrial Area) Office, Port Harcourt.
- Supervised the Laying of 2runs of 3x240mm² pvc/xlpe/ swa /pvc 11kv cable and fibre optic signal cable over 6km distance between Shell Industrial area and residential area with 25 Raychem Kit Jointing.

FEB 1997– DEC. 1997

ELECTRICAL SUPERVISOR - NEGRIS LIMITED, AGUDA-OGBA, IKEJA, LAGOS

- Implemented the installation of 6.2MW Solar Mars Gas Turbine Power Plant at West African Portland Cement (WAPCO) Ewekoro, Ogun State.

JAN. 1996 – DEC. 1996

RESIDENT PROJECT ENGINEER - NEGRIS LIMITED, AGUDA-OGBA, IKEJA, LAGOS

- Handled the installation and commissioning of electrical equipment for 1.8MW (11KV) Power Plant at CBN Directors quarters, Karu, Abuja.

OCT. 1994 – DEC. 1995

FIELD ENGINEER' - NEGRIS LIMITED, TRANS AMADI IND. ESTATE, PORT HARCOURT, RIVERS STATE.

- Gas re-injection, gas lift and power generation plant of Nigeria Agip Oil Corporation (NAOC) Obiafum, Obrikom Responsible for the Maintenance and servicing of all electrical appliances in the gas plant.
- Carried out troubleshooting and repair of generators, transformers, pumps, circuit breakers, air compressors, cranes, etc.
- Routine/planned maintenance of electrical equipment at Oshi and other flow stations.

JAN. 1993 – SEPT. 1994

RESIDENT PROJECT ENGINEER (ELECTRICAL) - NEGRIS LIMITED, AGUDA-OGBA, IKEJA, LAGOS

- TURNKEY PROJECT – Managed the installation and Commissioning of a 2MW (3.3KV) standby power plant at NNPC Depot, Gombe.

NOV. 1990 – DEC. 1992

ASST. PROJECT ENGINEER' (ELECTRICAL) - NEGRIS LIMITED, AGUDA-OGBA, IKEJA, LAGOS

- TURNKEY PROJECT – Handled the installation, testing and commissioning of a 4.5MW (3x1870KVA) Standby Power Plant (11KV) at CBN Headquarters, Lagos.
- TURNKEY PROJECT – Implemented the installation and commissioning of a 3MW standby power plant (3.3KV) at NNPC, Ibadan Depot, Ibadan.

OCT. 1989 – OCT. 1990

ASST. RESEARCH OFFICER (NYSC PROGRAMME) - SOKOTO ENERGY RESEARCH CENTRE, SOKOTO STATE

- Research into the utilisation of Solar Panel to Power vaccine storage refrigerators.
- Design and Construction of a 3-bladed Horizontal Axis Wind Energy Conversion System (Capable of generating 0.75KW of power)
- Design and Construction of Solar Stove Using local materials.

EDUCATION

- University of Ilorin, Kwara State – Bachelor of Engineering (B.Eng.) - Second Class (Honours) Upper Division 2.1
- MSc in Logistics and Supply Chain Management (University of Salford Manchester) - In View
- Ogbomoso Grammar School, Ogbomoso – WASC/GCE

TRAINING

- Mining The Voice of The Customer by Trithel International Consulting Nig
- Advance Project Management Practise for Executives - by Course Future- Now Links Limited
- HR for Non-HR Line Managers & Supervisors by Course Future- Now Links Limited
- Turbotronics –2- Field Maintenance Course by Solar Turbines university Incorporated, USA
- Turbotronics -2- Control System Logic Course by Solar Turbines Incorporated, USA
- Workshop on Electrical Protection/Relaying by Nigerian Society of Engineers/Sato Consulting Engineers – Nigeria.
- Termination and Testing of Fibre Optics Cable Network by Fibre Int’nal - (England), UK.
- Raychem Termination of 11kv Cable Raychem Limited – (England), UK
- Job Hazard Analysis by Safety & Risk Management Consultants – Nigeria.
- Principles Design and Operation of Process Plant by Unilag Consult –Nigeria
- Electrical Equipment Installation and Maintenance Best Practise by Unilag Consult –Nigeria

ACADEMIC PUBLICATIONS AND AWARDS

- Design consideration for a 0.7kw wind energy converter system (aero generator) being paper Presented at national solar energy forum, Sokoto.
- National Youth Service State Award.
- Design and construction of an automatic single-phase ac under voltage sensor with time delay (Final year project presented to the department of Electrical Engineering University of Ilorin)
- Overall Best Science Student Award

PROFESSIONAL MEMBERSHIP

- Member, Nigerian Society of Engineers (NSE) Membership No 26026
- Member – The Institution of Engineering & Technology- IET (Formerly IEE) – UK, Membership No.77356724
- Council for The Regulation of Engineering (COREN) - Reg No – 11638 - Awaiting Certificate

PERSONAL DATA

- Sex: Male
- Marital Status: Married
- Nationality: Nigerian
- Language Skills: English, Yoruba, Hausa, Ashanti and a little bit of French