



Company Profile June 2019

SERVICE PROFILE:

Our services include power and re-newable energy systems design & planning, electrical & Instrumentation procurement, construction support for electrical power distribution systems.

From conceptual power system studies to commissioning, IPGRUPP Engineering can leverage our vast technical expertise, equipment and network of technical resource partners to complete your projects safely, cost- effectively, within schedule and to required specifications.

With a field tested site team extensively supported by experienced Project Engineers, Design Engineers and Project Managers we are well positioned to provide effective services and solution that support your core business objective

Our core service areas include:

- ✓ *Design and Installation of Renewable Energy Systems.*
- ✓ *Design & Installation of alternative/back-up energy power supply systems including, Inverters and solar based generators systems*
- ✓ *Erection and installation of transmission lines up to 33KV*
- ✓ *Installation/Commissioning of associated sub-stations and control panels.*
- ✓ *power distribution transformers of capacities up to 3MVA*
- ✓ *Installation of Power Monitoring & Control SCADA Systems.*
- ✓ *Installation of Process Control SCADA system.*
- ✓ *Design and Installation of Street-Lighting Systems*
- ✓ *Construction Project Management Services*
- ✓ *Maintenance and Remote Management of Electrical Utilities*

This document has been developed to provide an overview of our Services, Company Structure and a Selection of completed Project profiles; more detailed information can be retrieved from our Website www.ipgruppengineering.com



WHAT WE DO:

Renewable Energy & Grid Power Systems- Design & Construction Services:

IPgrupp Engineering are Control, Power & Data Network EPC service providers.

In today's rapid convergence of Power, Control and Data Systems our goal remains to leverage our vast expertise across these technologies to bring value adding, efficient and cost effective solutions that advance the core business objectives of our numerous clients.



We achieve our mission through the high quality of the services and innovative products we provide to our clients in addition to our flexible and creative approach to project execution.

With deep insights and understanding of the peculiar business climate in Nigeria, We continue to develop long-term business alliances with our customers that allow us to support and enhance their systems today and position them profitably for the future.



Ipgrupp Engineering provided installation services and Technical support for the recently completed 2016 1.2MW grid-tied Solar Plant Facility at the water processing plant Usuma Dam FCT Abuja

IPgrupp Engineering can leverage off our design and construction knowledge of multiple utility service systems.

With extensive knowledge of Utility grade Solar Plants design and installation we are well poised to provide to our clients with professional and cost effective services

Because we can handle the complete range of utility services the redundancies and additional overheads associated with the use of several contractors to implement these utility services are eliminated.



IPgrupp engineering have teamed up with several major civil contractor over the years to deliver quality projects.

On this Project we worked with Hitachi Plant Construction Japan as Local Technical Contractor

IPgrupp Engineers/Technicians complete installation Of 1MVA 11/0.4KV step-up transformer for Solar Plant Tie-in to Grid



Our Construction partners have found us consistent with our high quality of supplied products and world class installation practices.

Terminations to DC Collection Boxes in the field for Ongoing works at Solar Generator Plant



Because we can handle the complete range of utility services the redundancies and additional overheads associated with the use of several contractors to implement these utility services are eliminated

Our Construction partners have found us consistent with our high quality of supplied products and world class installation practices.

Installation of 2 x 1.5MVA & 1 x 500KVA Distribution Transformers



IPgrupp Engineering
Along side main
Contractors Sterling &
Wilson India PTY recently
July 2019 completed the
first major Hybrid Solar
Plant in Alex Ekueme
University Abakaliki
Ebonyi State

1MW Hybrid Solar with battery storage off-grid Plant
Completed by IPgrupp Engineering & Sterling & Wilson
commissioned by his Excellency the V.P Osibanjo July 2019



IPgrupp Engineering as specialist in medium to large scale solar plants example.

On this Project we our team assembled and commissioned a 20KWp Solar Array and Outback MPPT controllers to provide 24hr power to a remote hospital in Sokoto state

20KWp Solar Plant Designed and installed by IPgrupp Engineering for ISA General Hospital ISA, Sokoto



Our Construction partners have found us consistent with our high quality of supplied products and world class installation practices.

Recent completion of new Sub-Stations 14A/14B at the Premium Steel(Delta Steel) Integrated Steel Mill in Warri, Delta State



We take particular pride in our track record of design and implementation of Power Sub Station Solution solutions

We are partners with ABB India and continue to provide key services to the Power Industry

700VDC Drive panel Installed and Commissioned by ABB/IPgrupp



IPgrupp engineering have teamed up with several major civil contractors over the years to deliver M & E quality projects.

Electrical and Mechanical Systems are key to the success of any building project such as the 1.2MW Hybrid Solar Plant

IPgrupp implemented all electrical and mechanical utilities within this Facility

IPgrupp Engineering MD at the side of the Honourable Mister of Power during a snap inspection to the 1MW Hybrid Solar Plant Site March 2019



We take particular pride in track record of design and implementation of renewable & alternative energy solutions

IPgrupp Technician Installing PV Panel on a Client Site



The core technical team that defines IPgrupp Engineering, have backgrounds from diverse industrial sectors including the Oil & Gas deep water facilities, PHCN power services, Manufacturing and Technical Training Services.

The depth and vastness of power systems knowledge and implementation know-how have enable us to continue to be the contractor of choice for those challenging and quality demanding projects

IPgrupp technician installing a 3.6Kw residential solar plant installation in Kano State



Training Engineers on Power Systems Modeling for Short-Circuit and Voltage Drop Analysis at our training facility along new Expressway FCT Abuja

In-House and Outsourced training services in a key part of our service profile, having provided training for Oil and Gas Companies such as

Integrated Energy Services, TOTAL and Amazon Energy

We are currently developing our own training facility in Iekki, Lagos with a view to providing discounted and affordable capacity development for graduate engineers



Commissioning an Automated feed and Egg collection Panel for a Client with Extensive Investments in state of the art agricultural equipment

Investments in the right personnel, advanced tools and training have enable IPgrupp Engineering deliver complex instrumentation and control system projects

Our ability to get it right the first time and work closely with equipment vendors to ensure complete technology transfers have positioned us as a choice partner for particularly technically challenging Electrical and Control Projects



IPgrupp Engineering have an extensive background in Power distribution and Transmission system designs and implementation.

We have designed and installed several 33KV, 11KV and 0.415KV systems

IPgrupp install an 11KV Ganged Isolator at a remote site .



We have taken on and completed projects in many parts of the country, some in quite remote places with the attendant logistics, security and community relationships challenges handled satisfactorily.

The depth and vastness of power systems knowledge and implementation knowhow have enable us to continue to be the contractor of choice for those challenging and quality demanding projects

IPgrupp in collaboration with Riverman International Installation of "Real Time Gas Monitoring Equipment" at Escravos Gas Plant



IPgrupp Engineering thru investment in tools and training of personnel can fast track project implementation for our clients without compromise to quality and requisite industrial standards and specification

Left- IPgrupp in collaboration with ES_BEE limited completed the upgrade of 2000Amp Switch-gear Systems for SPDC flowstation facility at Ogbibo Rivers-State



Our ability to deliver integrated Power and control systems on a single project ensure we provided value adding services to our clients



IPgrupp Engineering has developed extensive design and Installation capability for renewable energy system

From bore hole planning and implementation thru to pump and fittings installation were completed by IPgrupp in a remote location in Edo State

Installation of Solar Powered Bore Hole Water Supply system completed in Mar 2012 at OLEH Primary School in DELTA State

Electrical Engineering Capacity Development – Training Workshops



Ipgrupp Engineering in collaboration with our partners Faraday Electrical UK. can provide extensive engineering training and re-training services customized to the Oil & Gas and Power Sub-sector resource requirements

Our training modules have been developed to ensure emphasis on primary skills required for electrical/Instrument engineers are at once valuable to ongoing projects.

Facilitated by practicing extensively knowledgeable engineers in small class sizes our courses offer a fast track approach option of equipping engineers with employable skills and tools as required by this industry.

What you can learn from our training modules

- Fundamental of Electrical Systems Studies □
Basic to Advanced Power Distribution System Design
- Design of Lighting and Power Outlet Systems
- Generator Specifications
- Uninterruptible power supplies
- Generator controls and transfer switches □
Instrumentations Systems Pneumatic to Digital
- SCADA, DCS and PLC systems □
Fundamentals of Process Control Instrumentation
- Project Management in Oil & Gas Engineering



Our Resources:

Technical Director



Shola Daley:

Instrument & Electrical Engineer with extensive experience in Power Systems design, testing and maintenance. In practice for over 29 years with former employers including Gulf-Oil ,Shell Petroleum, Chevron, Mobil , Sandersons Construction UK and Amazon Energy Services(Engineering Director)



Project Engineers/Manager

Various Electrical & Instrumentation Engineers/Project Managers many with over 12years design and construction experience with background in Oil and Gas but also across a broad array of other industrial

With Expert knowledge on renewable energy systems integration with utility systems



Pierre Durant : Design Engineers

SCADA systems Engineer with proven track record of successful participation in Electrical/Control integration projects. Extensive knowledge of Power systems protective relaying equipment and testing procedures

Management/Project Support:



Field Engineers/Technicians



AutoCAD Draftsman



Continuing to provide high-quality services to our customers well into the 21st century will be both complex and challenging. It requires the application of practical knowledge and experience integrated with a structured and disciplined management approach.

***IPGRUPP**. recognizes the crucial role that “Power systems design and Implementation” and related technology will play in the operations of many businesses as such our company will continue to strive so as to evolve into the service company of choice for the industry.*

Further details and On-line customized quotations for our various services please visit www.ipgruppengineering.com

A selection of our Clientele

- Shell Petroleum Dev Coy • American International School
- SIEMENS Electronic Security Systems South Africa
- OUTSOURCING Services Limited South Africa
- AmazonEnergy Services Limited, Nigeria • WH Linder Consulting Engineers, Houston
- Central Bank of Nigeria - Training School • United Bank for Africa
- ACCENTURE Consulting Nigeria Limited
- MULTICHOICE Africa
- Transmission Broadcasting Engineering(pty) Ltd South Africa
- ATLAS International Engineering

- Communications Trends Limited • ExxonMobil Producing Unlimited
- GRANGE International School
- African Leadership Forum Sango Otta
- CRITICAL RESCUE INTERNATIONAL
- Chevron-Texaco Nigeria Limited
- Cool FM 96.9
- The BELLS International School Sango Otta
- Impulse Technology Limited
- Flour Mills Nigeria Limited
- Imo Hill Farms
- PW Construction
- Nigerian Ports Authority
- UAC Nig Plc
- UPDC Nig Plc
- AKLAB EPC Contractors
- DOREN Specialist Hospital Ajah Roundabout
- Sokoto State Government
- Ministry of Works, Power & Housing FCT Abuja
- Sternlin & Wilson Global EPC India
- DELTA Power System India
- Nissen Energy Solutions Japan

Partners

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| 1. Amazon Energy Services Limited | 2. NEGO Construction Services |
| 3. Faraday Electrical Services UK | 4. Advanced Testing Inc. |
| 5. Coordinated Power Engineering Inc. | 6. Gaflab Technical Services |
| 7. HITACHI Plant Company Japan | 8. G.E. Power Systems |
| 9. CivilForte Construction Services | 10. ABB India |