



# Corporate Profile

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# Who We Are

Aspen Energy Nigeria Limited is an integrated energy company established to provide expert services across the upstream, midstream and downstream sectors of the energy value chain with emphasis on Gas Technical/Commercial Activities in Nigeria and the West African sub region. By staying focused on the provision of reliable high-quality energy services, we aim to create long-term value in Sub-Saharan Africa Oil, Gas and Power Industries.





# Who We Are

We partner with businesses and institutions as well as governments and other stakeholders across the energy value chain to identify their highest-value opportunities, tackle their most significant challenges, and improve their core competencies. Our tailored solutions ensure that our clients achieve sustainable competitive advantage. .



# Our Values



## Safety

Our Number one core value is Safety



## Quality

Our Quality is always to the highest standard in all our processes.



## People

We're comprised of a motivated and multi-disciplinary team.



## Executive Capacity

Over 242 man years of World Class Energy Industry Experience at Top Management Level



## Gas & Power Solutions

We possess technical and Commercial Capability to engineer Gas and Power Solution



## Tools

Hard and Software - Industry Standard Integrated Tools

# Vision

To be the Premier Energy Services and Consultancy Firm in Africa, delivering world class service and creating exceptional value to our customers and shareholders.





# What We Do

We are an integrated energy company established to provide expert services across the upstream, midstream and downstream sectors of the energy value chain in Nigeria and the Sub-Saharan African sub-region

## Our Service Offerings include:

- Consulting
- Exploration and Production
- Gas & Power Solutions
- Engineering Services
- Operations and Maintenance
- Asset Management
- Sustainable and Renewable Energy Solutions
- Financial & Technical Services
- Procurement, Supply & Logistics
- Manpower Services
- Training

# Consulting

We provide an array of services to clients to ensure they make better decisions in a timely manner, resulting in systemic cost reductions and improvement of financial performance. The services offered include;

- **Feasibility Studies:** Comprehensive feasibility studies to determine the economic and technical feasibility of new ventures and expansion of existing businesses, oil, gas and power projects development
- **Advisory Services:** Provision of advisory services (technical/commercial) to potential investors and existing businesses on projects spanning the energy sector; upstream, midstream and downstream to power
- **Due Diligence/Competitors Intelligence Studies:** Helping clients/customers learn relevant technical, commercial & legal information about a prospective business or business partner for the purposes of making informed commercial/investment decisions.



# Consulting

- **Transaction Support:** Providing technical/commercial support to a client before and during negotiations of a commercial transaction. Technical and commercial evaluation of opportunities including economic analysis. Negotiation strategy and tactics
- **Gas & Power Development Support:** Development and management of gas and power projects while managing Gas Agreements on behalf of customers for nominal fees plus commission on savings.
- **Management and Governance Services:** Business Performance Review and Global Benchmarking. Business Process Review (Structural and Process Re-engineering). Services of Petroleum industry cooperation arrangements (i.e. joint venture arrangements (JVAs), production sharing arrangements (PSCs), hybrid.

# E & P Services

We provide Sub-surface studies in areas of in-depth integrated Reservoir, Field, Asset Development Planning and Innovative solutions for well and reservoir management; brown field management and production optimization. Our services here include, but are not limited to;

- Data acquisition planning and interpretation
- Concepts Development and Selection
- Field/Reservoir Development Planning
- Well and Reservoir Management
- QA/QC services throughout the E & P projects lifecycle

# E & P Services

- Production Optimization
- Integrated field and Reservoir studies
  - Petrophysical Modelling
  - Geostatic Modelling
  - Reservoir Simulation
  - Reserves Estimation and Economics



# Gas & Power Solutions

Through over 242 combined years of executive experience in Gas development and Commercialization, Aspen is able to guide or clients through the value chain of Gas development, this is done by provision of advisory services (technical/commercial) to potential investors and existing businesses on projects spanning the gas value chain. Aspen specially guides clients through the various levels of Agreements with all clients involved including;

- Natural Gas Processing Agreements
- Natural Gas Transportation Agreements
- Gas Sale Aggregation Agreements
- Natural Gas Sale and Purchase Agreements
- Gas Facilitation Agreements
- Compressed Natural Gas Value Chain Development
- LPG Plants & Value Chain Development
- Floating Liquefied Natural Gas Projects
- Gas to Power Project Developments
- Feasibility Studies for Gas Monetization Projects (including Flared Gas Utilization)

# Engineering Services

We provide integrated services to improve the efficiency of oil, gas and power facilities (flow station, gas processing and compressor plants), operate and maintain gas, power, manufacturing and processing plants. Assess people, systems, processes and the entire life cycle of assets to ensure they perform their required functions effectively and efficiently (in fit for service condition). Our Services include but are not limited to;

- Conceptual Design
- Facility Integrity Assurance
- Project Management Services
- Detailed Engineering Design (DED)
- Front End Engineering Design (FEED)

# Asset Management

Aspen Energy's Asset Management division offers strategic solutions to optimize the value and performance of energy assets throughout their lifecycle. Leveraging advanced analytics and industry expertise, we provide comprehensive asset management services aimed at maximizing returns, mitigating risks, and enhancing operational efficiency. From asset monitoring to performance optimization, we empower our clients to make informed decisions and achieve sustainable growth.

- Asset Management Planning
- Asset Acquisition, Relinquishment & Revocation
- Facility Management & Inspection
- Asset Integrity Management etc



# Operations & Maintenance

Our Operations & Maintenance unit is dedicated to maximizing the performance and longevity of energy assets.

The scope of our O&M covers Oil, Gas and Power Facilities Management Support to include:

- Complete plant operation and maintenance management
- Single-source accountability for all service areas
- On-site warehouse management, routine maintenance, operations, and logistics staff

Our Energy Facilities Management specifically includes, but is not limited to:

- Plant Rehabilitation and Facility Maintenance
- Scaffolding Services
- Inspection Service
- Painting and Coating Services
- Sand Blasting and Coating
- Hydro and Grit Blasting and Coating
- Non-Destructive Testing
- Corrosion Control Services
- Risk Assessment processes

# Renewable & Sustainable Solutions

Aspen Renewable & Sustainable Energy leverages state-of-the-art technology and cutting-edge innovations to develop and implement renewable energy projects. We offer end-to-end solutions for renewable energy projects, from feasibility assessment to seamless integration. The longevity and efficiency of your renewable energy assets is assured with our Operations and Maintenance (O&M) services. Our Services include the following:

- Consulting & Feasibility Studies
- Engineering, Procurement, and Construction
- Operations & Maintenance
- Integration & Optimization of Hybrid Systems

# Financial & Technical Services

With our extensive experience and esteemed reputation in the energy sector, we offer access to investors and financial support. We specialize in facilitating asset acquisition for newcomers, covering both greenfield and brownfield projects. Moreover, we streamline the relinquishment and divestment processes, ensuring maximum value for all stakeholders. Given the volatile and complex nature of the industry, we help asset holders operate efficiently and effectively by providing vision, clarity, and agility.

Our Services include:

- Financing
- Derisking
- Operation & Maintenance
- Asset Acquisition, Relinquishment & Revocation
- Funding and Technical Services Agreement (FTSA)



# Procurement & Supply

We provide supply of high quality equipment and material, procurement of pumps, valves, tools and other special types of equipment in accordance with International Standards and Customer Specifications, our procurement services include the following:

- Well Completion Equipment
- Cement and Lining Hanger Equipment
- Pipes, Pumps, Valves and Instrumentation
- Inspection Services
- Quality Assurance and Control
- Trading
- Consumables

# Manpower Services

Provision of technical and commercial staff to companies (Recruitment & Secondment).

By adapting to meet our clients' employment needs, from single candidate search to a complete team, we personalize recruitment solutions to help your team source and retain talent either for short-term temporary needs, large volume of employees for a project, or a critical professional hire, we conduct critical & in-depth searches to identify top talent for your company's needs.

Our Services in Manpower include:

- Manpower Development
- Manpower Recruitment
- Manpower Placement

# Training

Provision of Commercial, Technical and HSSE Training (on-site and offsite).

We recognize that a skilled and knowledgeable workforce is the cornerstone of success in the energy industry. Our Manpower Training programs are meticulously crafted to equip professionals with the expertise and capabilities essential for thriving in today's dynamic energy landscape. With a focus on practical skills development and industry best practices, Aspen Energy's training programs empower individuals to drive innovation, navigate challenges, and achieve sustainable success in the oil, gas, and broader energy sectors.

Our Services in Manpower Training include:

- Executive Management Training
- Field Specialist Training
- Entry Level Training
- Bespoke Training Services



# Our Clients

We have collaborated with a diverse array of clients, each of whom has experienced satisfaction with our services. Some of which include;

- Seplat Energy
- Ondo State Government
- First Bank of Nigeria
- Addax
- Pillar Oil
- Neconde
- Pan Ocean
- Aiteo



# Sample Client List





# Projects Executed

S/N	DESCRIPTION
1	Development of Gas and Condensate Strategies
2	Processing and obtaining statutory permits for constructing a Gas pipeline to service an Industrial Park)
3	Management Review of Production Operations (people, processes, plants ETC)
4	Alternative Crude Excavation Study
5	Frameworks for Pricing LPG, Gas Processing (Tolling) Fee Structure and Crude Handling Agreement
6	Negotiations of bankable Gas Sales & Purchase Agreement (GSPA)
7	Retainer for Gas Commercial/Technical activities
8	Development of Governance framework, processes and advise on the formation of SPV for Gas pipeline
9	Organisation Design & Staff Resourcing for an Exploration & Production (E&P) Company
10	Sub-surface & Engineering Evaluations for some IOC asset acquisitions (4 OMLs)
11	Prospectivity Review of an OPL with an IOC
12	An OPL Gas Development Project
13	Technical Assessment of Sapele Power Plant
14	Technical Due Diligence on Marginal Fields
15	Sub-surface & Engineering evaluations for Chevron and Shell assets acquisition
16	OML Sand Control and Production Optimisation Study for the OML of an IOC
17	Gas Development Review
18	Development of Umuseti/Igbuku field gas resources
19	Gas Asset Development Feasibility Study
20	Recruitment and Secondment of Technical & Commercial staff into critical areas of operations
21	Due Diligence on Natural Gas Off-takers
22	Gas Development Review - Technical and Commercial Advisory
23	NAG Concept Selection and Commercialization Study for the OML of an IOC
24	Feasibility study of flared gas monetisation opportunity in Nigeria (Phase 1)
25	Provision of Engineering Solutions to monetize stranded Gas and Condensate
26	Oron West Field Study
27	MFBR 2020_ Technical and Commercial Valuation of Six (6) Fields (Oloye, Abiala, Benin Estuary, Igbomotoru Main, Igbomotoru North and Usoro )
28	Buffer Tanks Automation Engineering Design for an IOC



# Our Team

Our team comprises of :

- Directors and Consultants with vast experience (Local & International)
- A team of young and highly motivated professional workforce
- Strategic Alliances with International and Local Companies
- Technical Partnerships

**World Class Resourcing Strategy:** In addition to our core team, we have a network of qualified professionals across the hydrocarbon value chain that we call upon to deliver quality work as the need arises.

# Our Senior Team



**BAYO OPADERE**  
Board Chairman



**BEN OFODILE**  
Director of Consulting Services



**BISI DERE**  
Director of E&P Services



**DEBO SPAINE**  
Director of Engineer and Asset Integrity



**ISRAEL AYE**  
Director of Strategy & Corporate Services



**SAM AIBONI**  
Director of Business Development



**NATHANIEL OYATOGUN**  
Director of Gas solutions & New Energy



**ANTHONY AKPAN-USESE**  
Chief Technical Officer



**Bayo Opadere**

**Chairman of the Board**

Mr. Bayo Opadere over 30 years of experience in the oil and gas industry at national and international levels across the hydrocarbon value chain most of which was with Shell. He was at different times, Head Area Production Engineer, Chief Petroleum Engineer, Gas Coordinator, Gas Industries Manager, General Manager Downstream Gas, Chief Operating Officer, and later, Managing Director of Shell Nigeria Gas; which he turned into profitability within 2 years.

He led the commercial team within Shell to achieve the Final Investment Decision for the complex West African Gas Pipeline project. He worked in Shell Brunei and Shell International Gas, London as Governance Manager, Southern Cone of South America. He was a key member of two major company re-organization teams during his years in Shell. Bayo is a member of the Nigerian Gas Association, The Petroleum Club, Lagos, Institute of Directors, Nigeria, and the UK.





**Engr. Benjamin Ofodile**  
**Director of Consulting**

Engr. Ben Ofodile has over 30 years of experience in the oil and gas industry across the hydrocarbon value chain. He was at different times, Team Leader of Facilities Engineering and Chief Engineer at Shell Petroleum Development Company of Nigeria, Limited (SPDC), Senior Manager of Projects, and Chief Operating Officer (COO) of Shell Nigeria Gas (SNG). While at SNG, he led the project team to build and commission the Agbara / Ota Gas Transmission and Distribution System, and implement the ISO 14001 certification of Shell Nigeria Gas; the first of an oil and gas company in Nigeria.

He also worked for Shell Gas and Power International as a Governance Manager for the construction phase of the West African Gas Pipeline Project. He is a member of the Nigerian Gas Association (NGA), Nigerian Society of Engineers (NSE), Council of Registered Engineers (COREN) and Institute of Directors, UK (IOD).





## **Bisi Dere**

**Director of E&P Services**

Mr Bisi Dere has over 30 years of experience in the oil and gas industry at national and international levels across the hydrocarbon value chain. He was at different times, Head of Petrophysics- Shell Nederland Aardolie Maatshappij Onshore Oil Business unit and Shell Nigeria - (West), Corporate Research and Development/ Technology Adviser, Technical Audit Lead and Audit Manager SNEPCO and Production Asset Manager. In the later role, he successfully led and sustained oil and gas production of over 100,000boepd for 5 years safely in a challenging Niger Delta environment.

He also worked as Regional Chief Petroleum Engineer and Resource Volume Manager for Shell in Africa where he led capacity building, setting of technical standards, and provision of technical assurance for oil and gas field development and reserves estimation effort. Bisi is a member of the Society of Petroleum Engineers, SPE, and served as Nigeria Council Chairman in 2006.



**Engr. Debo Spaine**

**Director of Engineering &  
Asset Integrity Services**

Engr. Debo started his career in the Oil Industry as a Process / Project Engineer, over 33 years ago in Shell, Nigeria. Subsequently, he held various positions in the Engineering and Production Departments, including Senior Design Engineer and the pioneer Pipelines Asset Manager in Shell, Warri. Prior to leaving Shell in 2005, he was the pioneer Asset Development Manager for the 650MW Afam Power Project. Shortly after joining Addax Petroleum, Lagos in 2005, he assumed responsibilities for Gas Policy Compliance, Business Strategy and Petroleum Economics.

He was also a member of the Company Leadership Team. He retired in 2012 from the position of General Manager, Gas Development. A versatile professional, Debo studied Engineering and Management at the Universities of Manchester and Birmingham. He has managed multi-million dollars major projects, and held residency and supervisory responsibilities in Engineering Design Offices in Nigeria, Europe, South Africa and South East Asia. His experience spans Oil, Gas and Power Projects Execution, Gas Business Development, Petroleum Economics, and Asset Management. He is a Member of the Nigerian Society of Engineers and a Director of a private investment firm.



**Israel Aye**  
**Director of Strategy &  
Corporate Services**

Mr Israel Qualified as a lawyer over two decades ago, Israel has spent about 15 years in the Petroleum industry where he has advised and supported transactions across the value chain of the Petroleum Industry. A faculty member of the International Law Institute-African Centre of Legal Excellence (ILI-ACLE), Israel is a thorough professional whose understanding of the law and business of energy is both broad and deep.

He is featured in Global Who is Who Legal as a specialist in the Natural Resources, Energy, Oil, and Gas sectors. An Accredited Mediator, Centre for Effective Dispute Resolution UK (CEDR) and a Member (MCI Arb) of the Chartered Institute of Arbitrators, UK, (Nigerian Chapter), Israel is also a Partner at and Co-chair of the Sterling Partnership (Legal Practitioners) Energy Desk.





**Sam Aiboni**

**Director of Business  
Development**

Sam is an experienced professional with a plethora of C-suite experience across Oil and Gas, Government and Private Sector service, providing independent thought and opinions to aid corporate decision making and drive the delivery of sound and effective corporate governance and regulatory compliance.





**Nathaniel Oyatogun**

**Managing Director**

Nathaniel has over 30 years' experience in the integrated value chain of upstream, midstream and downstream of the oil and gas sectors. He has led numerous award-winning projects including being the Commercial Lead in several multi-billion-dollar integrated gas projects. He has also led several projects in the gas to power areas such as the Azura-Edo gas to power, Brass Fertilizer project to name a few. He is a subject matter expert in areas of Gas Monetization, Technical and Commercial Solutions, Renewable Energy etc. Most recently, he led the Gas Advocacy Team of the Oil Producers Trade Section (OPTS) of the Lagos Chamber of Commerce & Industry that spear-headed proactive and professional engagement leading to the enactment of Petroleum Industry Act and Regulatory matters..

An author and speaker at leading international oil, gas and power conferences, he currently leads one of the Sub-Committees of the International Gas Union, preparing for the World Gas Conference in 2025 and a member of Society of Petroleum Engineers, SPE, American Society of Mechanical Engineers, ASME, Nigerian Gas Association (NGA), among others.. and oversees the Directorate of Gas Solutions & New Energy..



**Dr. Anthony  
Akpan-Usese**

**Chief Technical Officer**

Dr. Anthony Akpan-Usese has over 23 years of experience in the oil and gas industry at national and international levels across the hydrocarbon value chain. His experience spanned across the upstream and midstream sector, where he worked as a Senior Geophysical consultant/project lead at NNPC R&D/SEIMAX-PPS Collaboration Center, Managing Director/Maritime consultant for Topical Energy & Oil Services Limited, Processing/Support Geophysicist for PGS Exploration both in UK and Nigeria, Marine and Safety Officer for Nigeria Liquified Natural Gas (NLNG) Limited, Oil & Gas Training Facilitator/Instructor for HPO Global Resource Ventures, Houston, Texas.

He is expert on seismic and well data analysis/processing, Avo Analysis, Reservoir Evaluation, Oil and Gas Data Management/QA/QC, Marine operations, Procurement, Project management, HSSE (Health, Safety, Security & Environment), Training and Mentoring. He is a member of Society of Exploration Geophysicists (SEG) and Nigerian Association of Petroleum Explorationists (NAPE)



# Our Tools

We also have invested in Industry best in class Integrated Tools (Hard and Software); we have installed, for E&P Business, Schlumberger software products (Petrel Geology & Geophysics, Reservoir Engineer/Eclipse, Techlog and OFM).



# Contact Us

**Feel free to contact us for any further clarification or answers to any questions about the firm.**

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