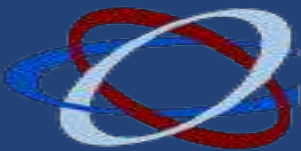




We are a complete solution company with unique experience, partnership, technologies and innovative approaches to meet various energy operators' needs



**PENTAD ENERGY
SERVICES
LIMITED**

www.pentad-energy.com

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...
we aim to
help our
clients
bring ideas
to reality
through
reliable
partnerships
...



PENTAD ENERGY SERVICES LIMITED

We are a reliable service company in the Oil & Gas, and Renewable Energy sectors of the energy industry. Our activities cover the entire energy value chain spectrum; so wherever you are upstream, midstream, or downstream - Pentad Energy Services Limited will meet your needs and offer the best value in design, engineering, construction, procurement, instrumentation, automation & control, operations, maintenance, marine and pipeline integrity services.

To help realize our objectives, we relentlessly invest in our people and technology. We have implemented robust management systems for achieving consistent and sustainable quality results without compromising personnel safety or negatively impacting the environment. We work to earn your trust through strong HSE culture and unrivaled commitment of our very resourceful team.

OUR MISSION AND VISION

MISSION

Our mission is to provide fit for purpose solutions and satisfactory services to meet and exceed the requirements of our clients while ensuring adequate returns for our investors, guaranteeing the health and safety of our employees and business partners, protecting the environment.

VISION

To be the energy service provider of choice, driven by team of highly competent experts with strong commitment to common values, innovation and passion for excellence



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OUR CORE VALUE

PESL's values are based on equity, integrity, ethics, respect for others and excellent customer service. We train our employees to protect the environment and be health and safety conscious.

We are committed to maintaining equity and fairness in all our interactions with all our stakeholders, and to cultivate and nurture term partnerships while adding value to the society

OUR COMMITMENT

We emphasize core commitments that help to benefit and improve our society and humanity, and strive for continuous improvement:

INTEGRITY

We operate based on honesty, openness, and fairness.

ACCOUNTABILITY

We are accountable for our plans and results and are always open to constructive inputs from others.

TOLERANCE

We believe in mutual respect and treat everyone with dignity and respect; we understand that we can learn from others and from each other; we believe in collaboration and we understand the importance of differences in thinking and cultures.

RESPONSIBILITY

We believe in taking responsibility for our actions, commissions and omissions and in being disciplined about our actions and our interactions.

PROFESSIONAL SERVICE DELIVERY

PESL ensures that its Clients benefit from seamless and flawless executed services that meet both local and global workmanship standards in HSE and Quality systems.



OUR SERVICES



DESIGN AND ENGINEERING

Our extensive project development experience helps our customers evolve concepts to well engineered designs, ready for fabrication and construction. We undertake Concept Developments, Pre-Engineering Definition & Interface Identification, Front-End Engineering and Design (FEED) and Detailed Engineering for our customers desiring to either expand or revamp their existing assets (brown fields) or develop new assets (green fields) within their portfolio.



CONSTRUCTION AND INSTALLATION

Here, we bring our project management experience to bear and leverage on our knowledge of international standards. We specialize in the construction of petrochemical, oil and gas process facilities, including pipelines, other pressure containing equipment such as vessels, and seamlessly integrate with in-line and on-line equipment like heat exchangers, valves, pumps, compressors, instrumentation, etc.

We deploy one of the best construction QA/QC inspection and testing regimes based on industry standards and best practices



MARINE ASSETS & SERVICES PROVISION

We support ship/vessel operators in their business, we help them improve and measure their performance to international maritime standards, keeping their waterways navigable through a number of services we provide in the maritime transport business, including but not limited to:

Vessel Management, Vessel Ownership, Vessel Brokerage & Deep Sea Charter, Vessel Delivery, Marine Consultancy, Vessel Repairs & Marine Engineering Services: Port Agency Services; Mooring Services; Bunker Supply; Provision of Crafts, Marine Logistics and Chandelling Services. Other marine services via Third Party Affiliates: Offshore/Geotechnical/Geophysical Survey services and Underwater Diving Services.



ASSET INTEGRITY SERVICE

As pipelines represent about 80-90% of the structure that typically make up process installations, we recognize the potential asset integrity risks for our clients. To help provide integrity assurance especially for high-pressure pipelines, we provide Non Destructive Testing (NDT) services through a wide range of procedures ranging from but not limited to Liquid Penetrant Inspection (LPI), Ultrasonic Testing (UT) including Time of Flight Diffraction (TOFD), Radioactive Testing (RT), Magnetic Particle Inspection (MPI), etc.; based on the various ISO and CEN standards.

In addition to pipeline integrity services, PESL also provides Oil and Gas wellheads and platforms systems integrity services in all terrains—onshore, offshore and deep-Water/Sub-sea environments. Our unique experience, technologies and innovations in the pressure equipment services make us the company of choice.



STRATEGIC PROCUREMENT AND WAREHOUSING

As we understand the logistics challenges experienced by most of the oil and gas installations in the Gulf of Guinea occasioned by the remoteness from technology providers, manufacturers and vendors, we have created a capacity to help our clients have quick and reliable access to whatever spare parts and materials they need to ensure sustained and uninterrupted operation of their production assets.

We facilitate risk-based reviews of our clients sparing philosophies to determine what are critical, required procurement lead-times and warehousing strategies, and based on the outcome of such reviews, provide further support with expedited procure-

ment delivering directly to client's own facility or to our own local warehouse as a holding facility for the client; to ensure spare parts are available on-site when required. These services are provided with value for customer in mind; guarantying best quality spare parts, procurement of exact like-for-like, and related local support as may be required.



ASSET LIFE CYCLE MANAGEMENT

As we recognize that a best-in-class project is one that looks at asset delivery from a life cycle perspective, we sell value to our customers not only in excellent, seamless and flawless project delivery but also in delivered reliability across the entire life of the asset. We provide robust obsolescence management plans that help our clients continuously rejuvenate their asset for safe and uninterrupted production. We also implement risk-based maintenance strategies and provide highly skilled resident personnel to support their execution.

OUR TEAM

We relentlessly invest in and maintain a team of highly trained and competent personnel to foster world-class service delivery to our clients and underscore our belief that our strength and excellence depend on the caliber of our people, who remain our prime asset.



SAMUEL J. ASAMUDO

**CHAIRMAN/DIRECTOR
FINANCE & BUSINESS SERVICES**

Samuel has held a variety of leadership and senior management roles in the Oil & Gas industry, including Mobil Producing Nigeria where he led audit teams to execute audit assignments in Procurement, Logistics and Joint Venture Operations.

His background includes Financial Reporting, Business Analysis, General Accounting, Internal Audit, Facilities and Project Management. He is an alumnus of University of Uyo where he studied Accounting



ISANG UKPONG

MANAGING DIRECTOR

An alumnus of the University of Missouri, USA, Isang is a Mechanical & Aerospace Engineer with vast experience in EPCI Projects, Management, Facilities Engineering and Operations in the oil and gas industry in Nigeria, USA, France and South Korea.

During his working career in ExxonMobil, Isang held various management positions such as Senior Program Manager, Project Services Manager and Design Engineering Manager. He was also the Upstream Maintenance Manager in which capacity he managed the Maintenance function of the NNPC/MP Joint Venture in QIT, BRT and all Offshore locations.



EMMANUEL A. OKON

DIRECTOR PROJECTS

Emmanuel holds a Master degree in Mechanical Engineering from the University of Port Harcourt, Nigeria and a Bachelor's degree in Mechanical Engineering from the University of Nigeria, Nsukka.

With 33 years of combined working experience in Shell and ExxonMobil in Nigeria, USA, Europe and South East Asia, Emmanuel has gained extensive experience in Project management and Execution (Engineering, Procurement, Construction, Installation and Commissioning in Onshore, Offshore, Deep-water and Sub-sea environments, major contracts development, management, and placement as well as quality assurance and control and client interface. He also holds memberships/ registrations in COREN, MNSE, ASME, PMP, etc.



GEORGE AKPAN

**DIRECTOR
LEGAL, HR, EXTERNAL AFFAIRS**

George is an accomplished petroleum and investment lawyer with over 30 years experience across industries and geographics. He worked with Mobil Producing Nigeria where he held various positions including Senior Counsel and Manager, negotiating and reviewing multi-billion dollars procurement and various oil and gas contracts.

Prior to joining ExxonMobil, George consulted for international organizations including World Bank and United Nations Conference on Trade and Development (UNCTAD). He was also a visiting professor at Aoyama Gakuin University, WTO Center in Shibuya, Japan, United Nations University and many others. He uses in-depth knowledge of the law to provide cutting edge and pragmatic solutions for PESL.



CHUKS EBENEBE

**DIRECTOR
BUSINESS DEVELOPMENT**

Chuks is a highly skilled and well trained professional, with over 21 years experience from several multinational Oil Companies like Shell Production Development Company (SPDC) and Total Energies.

Chuks' core competence include Project controls, Cost Management and Lean operations, Risk and Project Management. His last position in Total Energies was Egina OLT Package Manager, a multi million dollars project, where he delivered the Egina Buoy (Largest in Total to date) as planned and ahead of the FPSO. He drove the OLT package cost saving initiative that made huge savings for the Company in. Chuks is also a member of American Association of Cost Engineers, American Society of Mechanical Engineers and American Society of Civil Engineer

HEALTH SAFETY AND ENVIRONMENT



As a commitment to our recognition that our service delivery cannot be successful without visible and felt Health, Safety, Environment, (HSE) leadership, we consider HSE a common service line equal in all dimensions and priority to our other listed services and products.

We have a structured and documented approach to identifying, assessing, controlling and mitigating the HSE risks of every activity we undertake to protect ours and our client's people and assets, the environment and minimize the social impacts on our host communities.

We take HSE issues seriously and guide ourselves within the dictates of well-defined standards and applicable regulations.

QUALITY ASSURANCE AND CONTROL

At Pentad Energy Services Limited, we believe that the best product to offer for sale is quality. As a result, we have implemented a Management System that is fully aligned with the requirements of ISO-9001: 2015, to standardize our processes and ways of working for seamless delivery to consistent and repeatable business results.

This Management System is further strengthened at the people front with a system for competency assurance that ensures depth and consistency in the ex-



JOINT VENTURE AND AFFILIATIONS

We leverage on key strategic partnerships, regional representations and agencies to bring technology and capabilities home.



Subsurface and Surface Development Company (SSDC) offers a wide range of services to cover Engineering, Procurement, Construction and Installation. SSDC's capabilities include small to large fabrication and construction services at its facilities at Port Harcourt, Rivers State. It also covers its ability to manage Procurement and Procurement Services and it has vast experience in the Upstream Oil and Gas Industry in West Africa. SSDC has front end engineering to back end construction services and integrated EPCM services. PESL affiliation and JV with SSDC provides fabrication, construction and installation capabilities, as well as procurement management and project management services.



ANBAS Energy Systems Ltd (AES) is an Engineering, Procurement and Construction Management (EPCM) Company for the oil and gas industry, with interests and capabilities in providing Project Management Services, Engineering Design, Procurement, Construction, Installation, Operations and Maintenance. PESL affiliation and joint venture with AES extends its capabilities in Engineering and Design and Project Management, and offers special engineering skill sets in offshore and onshore surface engineering.



NORFIN Offshore Ltd is an offshore marine company, operating in the African and ASEAN Marine and Offshore market, which specializes in ship management, vessels brokerage, ship chartering, ship owning, marine engineering and maritime related services to ship owners and companies involved in offshore exploration and production in Africa and Asia. Norfin's focus is on serving the marine industry including providing a wide range of vessels, tug boats, oil barges, landing crafts, crew boats, fast utility vessels, anchor handling tugs, diving support vessels, harbour tugs, platform supply vessels, and more. NORFIN has international certifications, such as the International Safety Management (ISM) certification by the American Bureau of Shipping (ABS) and Bureau Veritas (BV). Our affiliation and JV with Norfin Offshore Ltd offers marine capabilities and resources to serve the offshore oil and gas industry



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