

# PESO ENERGY SERVICES

“we deliver as promised everytime”

## We elevate performance

across the entire oil & gas value chain



Gas Compression, Dehydration, Fractionation & Liquefaction Facilities

LPG, Propane and Condensate storage & truck dispensing system

Gas facilities Fabrication & Construction Services

Integrated Gas Plant Operations & Maintenance

Concept, FEED & Detailed Engineering

Oil & Gas Procurement & Logistics

## PESO - YOUR PARTNER

**PESO Energy Services** is a leading provider of engineering, procurement, construction, installation, commissioning (EPCIC), fabrication, consulting, technical audit services and Integrated plant Operations & Maintenance services, leveraging technology to build a better world.

**Our mission is to make lives easier by providing affordable energy solutions.**

We help provide reliable and affordable energy solutions that helps business across Nigeria and Africa improve people's quality of life. Our multidisciplinary team comprises some of the most experienced professionals in oil & gas industry. Through leadership training and continuous career development, we empower our teams to deliver success in any project we undertake.

PESO builds lasting relationships with our customers across multiple industries, working closely to gain in-dept understanding of individual needs and then offering our proven engineering and gas processing expertise to exceed reliability and profitability expectations.

We own a full service engineering office equipped with modern tools, state of the art fabrication and construction equipment, as well as a fabrication yard which enables us deliver turnkey projects at the highest quality standards in a safe, cost effective and timely manner.

We offer a single point of responsibility through an integrated blend of design, engineering and construction skills.

**...we deliver as promised everytime**

### Core competencies at a glance:

#### ■ Engineering Services:

- Concept Solution.
- FEED.
- Detailed Engineering + Design.
- Project Management Services.
- Feasibility study
- Technical Audits & As-building.
- Due diligence.

#### ■ Natural Gas Processing:

- Gas Compression.
- Gas Dehydration.
- Condensate Recovery & Stabilization.
- LPG, Propane Recovery
- MRU, JT & Turbo Expander Plants.
- Compression Stations.

#### ■ Field Construction & Operations:

- Operations & Maintenance of Gas Plants, LPG terminals.
- Revamps & plant modifications
- Plant relocations
- Spare parts
- Material Verification.
- Civil & Structural works.
- Piping & Mechanical Structural works.
- Facilities commissioning & Startup.
- Instrumentation/Electrical/Control.

### Our Core Values: SITE

- **SAFETY** - We ensure safety with everything we design, construct, operate to attain a zero incident level.
- **INTEGRITY** - Do the next right thing, even when it is hard and unpopular and when no one is looking.
- **TEAM WORK** - We stand together, as a family and as a team. Together Everyone Achieves More.
- **EXCELLENCE** - We exceed expectation every time, creating lasting value to perpetuate our purpose.

## Experience and recent successes

**PESO Energy Services** in partnership with **PESO Energy USA** has a strong track record of top notch delivery of Engineering designs, Gas processing facilities, Plants Operations & Maintenance projects, Technical Audits and As-builts, as well as many other bespoke solutions that made lives easier.

### Gas Processing



Client: Pan Ocean Oil Corporation/ FODE  
Project: Cryogenic gas processing plant with fractionation  
Capacity: 200MMSCF/D  
Products: Lean gas, LPG, Propane & Stabilized Condensate  
Contract: EPIC (Partial Turnkey)  
Delivered: 2019

#### PESO Project Scope:

- Engineering
- Procurement
- Mechanical Completion
- Pre-Commissioning
- Commissioning
- As-Built
- 2 years spares
- Operations & Maintenance

### Condensate Stabilization



Client: Nigeria Petroleum Development Company/ Schneider & Schroeder  
Project: Condensate Stabilization plant  
Capacity: 6,000 BPD  
Products: Stabilized Condensate with RVP that meets refinery specification  
Contract: EPICC (Full Turnkey)  
Delivered: 2019

#### PESO Project Scope:

- Detailed Engineering
- Procurement
- Civil construction works
- Mechanical/ Piping
- Electrical & Instrumentation
- Start Up & Commissioning
- Training

### Oily Water Treatment



Client: Nigeria Petroleum Development Company/ Zigma Limited  
Project: Oily Water Treatment plant  
Capacity: 10,000 BPD  
Products: Treated water that meets regulatory disposal requirement of <10ppm  
Contract: EPICC (Full Turnkey)  
Delivered: 2019

#### PESO Project Scope:

- Detailed Engineering
- Procurement
- Civil construction works
- Mechanical/ Piping
- Electrical & Instrumentation
- Start Up & Commissioning
- Spare parts & Training

### Hydrocarbon Metering



Client: Nigeria Petroleum Development Company  
Project: Oredo Flowstation oil & gas hydrocarbon accounting project  
Products: Separator Gas metering, Fuel Gas metering, Flare metering, Crude export metering, SCADA  
Contract: EPICC (Full Turnkey)  
Delivered: 2017

#### PESO Project Scope:

- Engineering & Procurement
- Installation of Ultrasonic oil meters
- Installation of Thermal Mass flow gas meters
- Installation of turbine oil & gas meters.
- SCADA system configuration
- Spare parts & Maintenance

## Other Project Experience executed in NIGERIA

### Midstream - Gas Processing Projects



Turnkey Operations & Maintenance of the 200MMSCF/D Ovade-Ogharefe Gas Processing Plant Project. The Plant operates with 98% uptime and 85% capacity utilization delivering LPG, Propane & Condensates to the domestic market



Mechanical Completion, Pre-commissioning & Commissioning of 200MMSCFD Cryogenic Gas Processing Plant Project for Pan Ocean Oil Corporation (POOC).



Procurement of major materials & spare parts for 200MMSCFD Ovade Gas Processing Plant Project for Pan Ocean Oil Corporation (POOC).



Engineering & Procurement of 3 x 7 MMSCF/D Compressor Package Unit for Alakiri AG flare down project. The units are designed to take flare gas at 2.5bar and compress to 110bar delivered into a NAG facility.



ICSS and Plant-wide Integration of 9,800 Mtons LPG & Propane Storage and Dispensing Terminal.



Provision for QA/QC Inspection Services for 150MMSCFD Oben Gas Plant for SEPLAT Petroleum Development Company.



Supply of Process Equipment/Compressor 2 years Spares for Oredo Integrated Gas Handling Facility for NPDC/Ricgban Nigeria.

### Our Impact in Numbers

*Our operation of a 200MMSCF/d cryogenic Gas plant has contributed positively to our domestic energy security*

**1.3 Million** est. Homes powered Daily by Gas supplied

**598,000** est. Homes supplied with LPG (cooking gas) Daily

**1,200 Barrels**

Avg. Condensates produced daily feed stock to Refineries



## Other Project Experience executed in NIGERIA



### **Upstream Oil Facilities Projects**

- Engineering, Procurement, Installation & Commissioning of a 6,000BOPD Condensate Stabilization Equipment at Oredo OML 111, Nigeria Petroleum Development Company (NPDC) / Schneider & Schroeder Nigeria Limited.
- Engineering, Procurement, Construction and Installation of Oily Water Treatment Facility for NPDC at Oziengbe Flow Station, OML 111, Nigeria Petroleum Development Company (NPDC) / Zigma Limited.
- Engineering, Procurement, Construction and Installation of Oily Water Treatment Facility for NPDC at Oredo Flow Station, OML 111, Nigeria Petroleum Development Company (NPDC) / DGS Limited.
- Procurement of Mechanical & Instrumentation Materials for Izombe Flow Station, for Addax Petroleum Development Nigeria Limited.
- Engineering, Procurement, Installation & Commissioning of Mobile Prover Loop for OML 111 Operation, Nigeria Petroleum Development Company (NPDC).
- Engineering, Procurement and Installation of 15nos 5,000psi Adjustable Chokes on Oredo Inlet Manifold, Nigeria Petroleum Development Company (NPDC).
- Well head Upgrade Services with Remote Pressure, Temperature & Flow Data Monitoring Capability at Abura OML 65, Nigeria Petroleum Development Company (NPDC) / Gas Stream Asset Management Limited.
- Flushing, Intelligent Pigging and Nitrogen Preservation of 10" x 22km Gas Export Pipeline spanning from Oredo Flow Station to POOC Ovade- Ogharafe for Nigeria Petroleum Development Company (NPDC).
- Engineering, Procurement, Installation & Commissioning of Online Gas Chromatographs and Moisture/Hydrocarbon Dew Point Analyzers for Nigerian Gas Company (NGC) in Omotosho & Geregu.
- Engineering, Procurement, Construction & Installation of Gas Flow Meters, Flare Purge and Pilot Systems Modification at Oredo EPF & Oziengbe-South Flow Station, Nigeria Petroleum Development Company (NPDC).
- Engineering, Procurement, Installation and Commissioning of 5nos 30 Feet Magnetic Level Gauges and Transmitters on Oziengbe and Oredo Crude Oil Tanks, Nigeria Petroleum Development Company (NPDC).
- Reactivation of Cathodic Protection System from Ps1 to Ps2 on the 36" ELP2 -C for NGC in Asset management midwest location.
- Engineering, Procurement, Construction, Installation & Commissioning of Gas Flow Meters, Flare Purge, Auto Pilot and Ignition systems Modification at the Existing Oredo Flow Station, Nigeria Petroleum Development Company (NPDC).
- Oben Gas Plant Expansion - 600KW Gas Engine Power Expansion EPC Project.
- Supply of Process Equipment 2 years spare parts for Danem/NPDC Oredo Early Production Facility 2 in OML 111 a repeat order was also done 2 years later.
- Procurement & Installation of Mechanical, Instrumentation, Metering and Firefighting System for 21 million liters petroleum products storage depot.

## Other Project Experience executed in NIGERIA



### **Engineering Designs, Technical Audit & As-Built Projects**

- Detailed Engineering Design of Oredo Flowstation 4 x 30,000 barrels Crude Oil Storage Tank farm for OML 111 Operations for the Nigeria Petroleum Development Company (NPDC)/Oakwood Machinery.
- Engineering Design for Oginini Flowstation Pipeline Tie-in to 12" Umugini Midwestern Pipeline Project for FHN/NPDC.
- Detailed Engineering Design for the Comingling/Integration of Oredo EPF 1, EPF 2, OGPOOC and IGHF flares into a single flare system in OML 111.
- OML 30 Surface Production Facility Audit for Heritage Energy Operational Services Ltd.
- Engineering Design of 2 x 40,000 barrels Crude Oil Buffer Storage tank for use at OML 26 Oginini flowstation for FHN/NPDC.
- Feasibility Studies for Optimization of OML 65 Facilities.
- OML 65 field Technical Evaluation of Chimons LP Gas Terminal Project for United Capital Limited.
- Engineering & Materials verification for 200MMSCFD Pan Ocean Gas Processing Plant Project.
- Detailed Engineering Design For Oben Field Logistics Base (FLB) Expansion, SEPLAT Petroleum Development Company.
- Engineering Design As-Built for Oben Inlet & Outlet Piping As-Built for SEPLAT Petroleum Development Company.
- 2D As-Built Drawings (Process, Civil, Mechanical, Electrical, Instrumentation and Piping) of Jones Creek Gas Lift Facility for Tonmoor International.
- 2D As-Built Drawings (Process, Civil, Mechanical, Electrical, Instrumentation and piping) for Nigeria Petroleum Development Company Old Oredo Flow Station EPF1 and the new Oredo flowstation 10,000BPD EPF2
- 2D As-Built Drawings (Process, Civil, Mechanical, Electrical, Instrumentation and Piping) for the Nigeria Petroleum Development Company Oziengbe 10,000 BOPD Flow Station.
- 2D As-Built Drawings (Process, Civil, Mechanical, Electrical, Instrumentation and piping) for the Nigeria Petroleum Development Company for 100MMSCFD Integrated Gas Handling Facility.
- Detailed Engineering Design for the Equipment Relocation in Oben Gas Plant Expansion Project for SEPLAT Petroleum Development Company.
- Technical Audit & Asset valuation of 3 Accugas facilities - City Gate Gas receiving facility, Ibom Gas receiving facility and Uquo Central Processing Facility.
- Asset Valuation of OML 98 gas plants and Amukpe-Escravos Pipeline project for Asset Management Corporation of Nigeria (AMCON)/Pan Ocean.
- Project Management Services for Petrolex 300million liters Ibefun Petroleum Storage and Truck loading facility.
- Project Management for the Construction of 300 Million Liters Petroleum Product Depot Storage Facility at Ibefun on behalf of Wema Bank Plc.
- Project Management for the Construction of a 20 Million Liters Petroleum Product Depot Storage Facility for Bond Global Energy at Ijegun

## *Specialist in Oil & Gas Surface processing facilities*

### NIGERIA

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