



**“ WE ARE ENERGIZED AND
ENGAGED IN MOVING FORWARD
AS A TEAM TO GET THE JOB DONE
RIGHT, EVERY TIME. “**



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ABOUT US

From Multinational to locally based companies, H&W Energy Limited provides outstanding client support, operating excellence and industry knowledge to ensure reliable and consistent performance.

We have the experience, expertise and infrastructure to support the most diverse range of services; well service,

mechanical & Civil Construction, marine services, offshore/ onshore facility management etc. Wherever we operate, we stand by our clients, and the work we do.



Our Vision

We strive to fulfill our missions commitment by getting the job done right, every time.

That means completing our work efficiently to industry and client standards without injury to people, damage to property or adverse impact to the environment.

Safety First

We make Safety an integral part of our Mission and our daily work.

At H&W Energy, our Safety Policy is based on 5 key fundamental elements:

1. Our employees are our most valuable assets
2. All accidents are preventable
3. Our employees' primary job responsibility is the safe completion of their assigned work
4. We enable our employees to fulfill that responsibility by providing the appropriate training, equipment and work environment
5. Our employees are granted the authority to slow down or shut down an operation they believe jeopardizes the safety of people, property or the environment

Our Mission

At H&W Energy, we are committed to being a leader in the services we provide by:

- *Providing services which exceed our clients expectations*
- *Maintaining a work environment that is satisfying to our employees*
- *Conducting our business in accordance with the highest ethical standards*
- *Generating a financial return to our shareholders that encourages their continued investment in the Company*



SERVICES



At H&W Energy Limited, our services and solutions are scalable to match each of our client's unique demands. We back these with ancillary services that deliver added value, and support our offerings with some of the most experienced professionals in the industry.

We've built our business from the ground up with local leadership. We know the field, the well, the challenges, and how to solve them.



1. COMPRESSOR SYSTEMS

We provide industry standard compressor systems and services by combining our product excellence with dedicated installation and expertise from our designated staff and OEM partners. We design, engineer, assemble and test each compressor package, every project is custom designed for its specific environment and duties.

The reliability and market-leading efficiency of our product places our Compressor Systems in a unique position to be able to offer our clients a quality that we truly trust and believe in.

We sell, install and provide after sale support services for ;

Gas booster compressors
Gas engine generators
CNG systems & virtual pipelines Air cooled heat exchangers.



2. CIVIL CONSTRUCTION

Our service is process-centered, from design to implementation as well as general maintenance; we provide innovative solutions for our clients through excellence and service in all aspects of the civil construction.

Our civil works include but not limited to;

- Front-end engineering design
- Building and structural construction
- Road & Bridge Constructions
- Post/Pre Site preparation activities (Oil & Gas), etc.



3. MECHANICAL CONSTRUCTION

At H&W Energy provides both industrial and commercial mechanical construction. Our competency in these areas has been unrivaled since our inception.

We understand the dynamics of fast-track schedules and rigorous construction standards, and we know what it takes to integrate real components into design-build details.

Our job is to help ensure constructability, maintainability, and sustainability. We do that with an optimal blend of technical expertise, delivery services & structured stability. Our mechanical construction capabilities

include but not limited to:

- Fabrication / Prefabrication
- Customized Duct Work
- Industrial & Process Piping
- Balance of Plant (BoP) Installation
- Commercial Firewater Protection & Deluge Services
- HVAC
- Process Simulation and Flow Assurance
- Pipeline Pre-Commissioning



4. ONSHORE PIPELINES & STORAGE FACILITY MAINTENANCE

H&W Energy also possesses required expertise to provide a complete spectrum of field services. This includes Inspection & maintenance of pipeline & storage facilities, Pipeline pigging & inspection, surveying, mapping, right-of-way acquisition, GIS, environmental permitting, inspection/ construction management and pipeline integrity management, delivery services & structured stability.

5. MARINE SERVICES

Our capability in marine services is, but not limited to, design, construction, maintenance & procurement;

- Accommodation Barges
- Ocean Vessels
- Pipeline Maintenance: Flow Lines
Hydro-testing
- Dams and Canals design and construction
- Dredging Services
- Installation and upgrade of onshore/ on-shore production facilities and platform, storage/export facilities (oil terminals, depots, jetties, process facilities, FPSO vessels, marine vessels, etc)
- Rig Move
- Self-Propelled Spud and Jack-Up Barges, etc.



7. ELECTRICAL INSTRUMENTATION

Our thorough knowledge in Electrical and Instrumentation services is demonstrated in our ability to provide cutting-edge expertise in Power and ICSS for 2 & 3 Phase Systems, Gas Handling Equipment and Fiscal Systems.

Our expertise in E&I include:

- Process Safety
- F&G/PAGA Systems
- Calibration Services
- Control Room Design and Installation
- Transmitters, Control Valves and PSV Integration
- Instrument Hook-Up
- Start-Up & Commissioning

EQUIPMENT / ASSETS



HIGH CAPACITY 72" OD 3 PHASE SEPARATORS



PROCESS EQUIPMENT INVENTORY VIEW #1 (LINE HEATER, OTHERS)



CONTROL VALVES



H&W CAPACITY RESPONSE AND STRATEGY OUTLAY



H&W CAPACITY RESPONSE AND STRATEGY OUTLAY



VERTICAL FLARE KO VESSEL



CONTAINER STORAGE: VALVES, SWITCHES, FITTINGS



OEM VALVES, SWITCHES, FITTINGS, BOLTS, NUTS, GASKETS, ACCESSORIES.



EQUIPMENT & STORAGE FACILITY / YARD



PROJECTS



S/No	Client	Client Key Contact Person	Project Location	Brief Project Description	Scope of Work Performed	Execution Date/Duration
1	SEPLAT/SIGMA UNIVERSAL	Alex Okudu	Jisike Flowstation	PROCUREMENT OF VESSEL, PUMPS & BULK MATERIALS FOR JISIKE FLOWSTATION DEBOTTLENECKING	<ul style="list-style-type: none"> Detailed Design Procurement: Process Equipment, Vessels, LLLs Fabrication and Construction Instrumentation 	Ongoing
2	SEPLAT/EPCM ENGINEERS	Okey Onwuka	Jisike Flowstation	EPCI- PROCUREMENT AND INSTALLATION OF FUEL GAS PACKAGE AND FLARE SYSTEM FOR JISIKE COMPRESSOR STATION	<ul style="list-style-type: none"> Detailed Design Procurement: Process Equipment, Vessels, LLLs Fabrication and Construction Installation and Commissioning 	Ongoing
3	SEPLAT	Patrick Oke	Oben	MEIC for 5 Nos Heat Exchanger	<ul style="list-style-type: none"> Mechanical Works Electrical works, instrumentation works, procurement and supply, Commissioning works 	Ongoing
4	NPDC	Kawuwa Dawaki	Egbema West	CONSTRUCTION OF EGBEMA WEST DUMPFLOOD CANDIDATE WELLS 17T FLOWLINES IN OML 20	<ul style="list-style-type: none"> Detailed Engineering, Flowline construction 	Completed
5	NPDC/FHN/EPCM ENGINEERS	Okey Onwuka	Ogini Flowstation, Delta State	Water Injection Pump and System Design and Installation	<ul style="list-style-type: none"> Detailed Design Procurement: Gas Engine Driven Water Injection Pumps, Others Construction: Water Storage Tanks, Piping Installation and Commissioning 	Ongoing
6	AXXELA/CHGC/EPCM ENGINEERS	Okey Onwuka	Port Harcourt	Detailed Design of the Upgraded 50 MMSCFD AGI Gas Handling and Processing Facilities in Port Harcourt	<ul style="list-style-type: none"> Detailed Design Procurement Construction/Fabrication Installation and Commissioning 	Ongoing
7	SEPLAT	Osawe Osayende	Ohaji	CONSTRUCTION OF 4" x 3.5km Gas Lift Delivery Line	<ul style="list-style-type: none"> Detailed Engineering, Civil Works, Structural Works 	Completed, Q1, 2020
8	SEPLAT	Nelson Ogu	Sapele	SEPLAT GAS PLANT DECOMMISSIONING AND	<ul style="list-style-type: none"> Decommissioning activities, Mechanical works, Electrical works, 	Completed Q 4, 2020

				ELECTRICAL MODIFICATION WORKS		
9	First E & P/EPCM ENGINEERS	Okey Onwuka	Offshore OML 83 and OML 85	Design of Replacement Surfer Ladder for MADU and ANYALA Platforms.	<ul style="list-style-type: none"> Design new surfer ladder that is compatible with current Yinson's FPSO infield surfer boat and zodiac. Key modification is to increase the clearance between the boat docking pipes from 1100mm in AEL design to minimum 2014mm per FPSO design to accommodate Yinson's surfer. Distance between rung pipes will also be modified Design and positioning of installations aids (e.g. pad eyes) for safe handling and deployment of the new ladder. Outline installation drawings and procedures Provision of technical guide (drawings) for demolition and removal of the existing surfer ladder. 	Completed.
10	First E & P/EPCM ENGINEERS	Okey Onwuka	Offshore OML 83 and OML 85	MADU and ANYALA Wellhead Platforms' Flow Line Study, Review/Rerouting	<ul style="list-style-type: none"> Review existing design and construction drawings for the already installed and yet to be installed wellhead choke valves and associated flowlines route, re-work choke valves for easy maintainability and operability, and eliminating associated flowlines clashes with other facility items. Develop design and construction drawings with full MTO, and 3D model. Provide for optimal drain and vent lines high and low points. Piping stress analysis for the modified flowlines 	Ongoing
11	Heritage	Idris Alimi	OML 30	GENERAL FABRICATION IN OML 30	<ul style="list-style-type: none"> Facility Maintenance and upgrade 	Ongoing

12	Heritage	Idris Alimi	Afiesere	AFIESERE GAS GENERATOR INSTALLATION - IN OML 30	<ul style="list-style-type: none"> • Facility Maintenance and upgrade 	Completed.
13	Heritage	Idris Alimi	Kokori	RELOCATION OF 2 UNITS OF AFIESERE EXPORT PUMP (7 & 6) TO KOKORI FLOW STATION - IN OML 30	<ul style="list-style-type: none"> • Facility Maintenance and upgrade 	Completed.
14	Axxela, CHGC/EPCM ENGINEERS	Okey Onwuka Chukwuma Ezeike	Port Harcourt	Detailed Design of the Upgraded AGI Gas Handling and Processing Facilities in Port Harcourt	<ul style="list-style-type: none"> • Develop Mechanical Deliverables <ul style="list-style-type: none"> • Hydraulics Study and Report • Facility Plot Plan • Facility General Arrangement • Drawing (Gas) <ul style="list-style-type: none"> • Pipe Stress Analysis and Report • Piping Foundation details • 3D Model • Piping Isometrics and Bill of Materials • Develop Process Deliverables <ul style="list-style-type: none"> • Capacity Calculations and Process Modelling • Process Design <ul style="list-style-type: none"> • Process Flow Diagrams-PFD • Piping and Instrumentation Diagrams- P&IDs <ul style="list-style-type: none"> • Equipment Datasheets • Venting and Depressurization Philosophy • Develop Electrical and Instrumentation Deliverables <ul style="list-style-type: none"> • Electrical Load Calculations • Electrical Single Line Diagram • Instrumentation Diagram • Facility <ul style="list-style-type: none"> • Lighting System Specifications • Develop Civil/Structural Deliverables <ul style="list-style-type: none"> • Structural Design Basis Document • Foundation design • Foundation Bill of Materials 	Completed.

				<ul style="list-style-type: none">Develop Technical Safety Deliverables<ul style="list-style-type: none">Design Risk AssessmentPre-Construction Risk Assessment/ConstructabilityReview<ul style="list-style-type: none">Design HAZOP StudyHazard/Risk RegisterVent Dispersion StudyIgnited Vent Thermal Radiation StudyEmergency Response Plan		
15	West African Exploration & Production (WAEP) /EPCM ENGINEERS	Okey Onwuka Femi Eruja	Lagos	Integration Studies and Risk Assessment for Kalaekule Field First Oil Development	<ul style="list-style-type: none">Detailed evaluation of all project subcomponents<ul style="list-style-type: none">to establish complete needs, by closing all potential gaps to reduce the risk of cost and schedule overruns. Include Considerations for KCPP-A, KCPB,KCDP-A, MOPU, Flare System, FSO, Others.Process Design upgradeMechanical design calculationsPiping system HydraulicsMechanical GA Drawings, 3Ds and Isometrics generationPump upgrade design/selectionCombined Propane/Butane loading systemHAZOP studies	Completed.
16	NavGas.VTTI /EPCM ENGINEERS	Okey Onwuka Monday Adeoye	Apapa, Lagos	Expansion and Upgrade of Loading Bays and Pump system	<ul style="list-style-type: none">Concept/Options DevelopmentDevelopment of Options Design: Process, MechanicalDevelop Options Comparison MatrixEvaluate Costs and Associated uncertaintiesCarry out Options Risk AssessmentRecommend Optimal ConceptDetailed Engineering Design and Procurement:<ul style="list-style-type: none">FEED, DEDProcess Vessels, Equipment	Ongoing
17	West African Exploration & Production (WAEP) /EPCM ENGINEERS	Okey Onwuka Femi Eruja	Lagos	Feasibility Studies for Kalaekule Field Development on OML 71/72		June-August, 2020
18	First Hydrocarbon Nigeria Limited, NPDC/FHN/EPCM ENGINEERS	Okey Onwuka Engr. Okon Akpan	OGINI FLOWSTATION	OGINI Flowstation Debotlenecking Project- PHASE 1		Ongoing- 6 Months

					<ul style="list-style-type: none">Produced Water Handling Facilities	
19	First Hydrocarbon Nigeria Limited, NPDC/FHN/EPCM ENGINEERS	Okey Onwuka Engr. Okon Akpan	OGINI FLOWSTATION	OGINI Flowstation Debothecking Project- PHASE 2	<ul style="list-style-type: none">Site Installation and Construction<ul style="list-style-type: none">Structural foundationsFabrication WorksInstallationCommissioning	Ongoing-6 months
20	First Hydrocarbon Nigeria Limited, NPDC/FHN/EPCM ENGINEERS	Okey Onwuka Engr. Okon Akpan	OGINI FLOWSTATION	Produced Water System Design and Installation	<ul style="list-style-type: none">EPCL: Skimmer Vessels, Induced Gas Flowtation Units, Media Filters, Water disposal pumps etcCommissioning	Ongoing
21	First Hydrocarbon Nigeria Limited, NPDC/FHN/EPCM ENGINEERS	Okey Onwuka Engr. Okon Akpan	OGINI FLOWSTATION	Low Pressure System design and Installation	<ul style="list-style-type: none">EPCL: Low Pressure Flare tips, Knock Out Vessel, oil pumps, Low Pressure Gas piping, Ignition Systems, Back Pressure protection systemsCommissioning	Ongoing
22	EPCM INDEPENDENT PROJECT	Okey Onwuka	Delta State	2 x 10,000 BOPD Crude Oil Refinery Projects Products: Gasoline, Associated Gas Oil, Aviation Fuel, Naphtha and Lubricating Oil.	<ul style="list-style-type: none">Concept DevelopmentFEED DesignDetailed DesignProcurement & InstallationLease/Own/Operate Arrangement with Cluster Companies in Partnership.	Ongoing
23	First E & P/EPCM ENGINEERS	Okey Onwuka Engr. John Alamu	Offshore OML 83 and OML 85	Concept Selection Studies for OML 83&85 Gas Processing Facility and Pipelines	<ul style="list-style-type: none">Flow assurance and sizing of upstream raw gas supply pipelinesEstimation of required chemicals quantities to mitigate flow assurance challenges and corrosion, especially to allow use of carbon steel for the pipelinesSizing of slug catcher at the plant inlet and feasibility of installing one slug catcher for the full plant capacity (1,050 MMscf/d)Estimate of slug catcher weight – dry and wetPrepare and recommend adequate inlet manifold arrangement that allows testing of wet gas inlet streams from different suppliersPropose options of custody transfer requirements to cover 2 possibilities –	February 2018

					<ul style="list-style-type: none"> • supplier's fence and central gas plant fence • Recommendation and selection of preferred options as applicable 	
24	First E & P/EPCM ENGINEERS	Okey Onwuka Engr. John Alamu	Swamp/Onshore	ANYALA AND MADU CSP PLATFORM UPGRADE	<ul style="list-style-type: none"> • Flowline Redesign • Surfer Ladder Redesign • General Facilities upgrade design • Piping Isometrics • 3D Model Review • Bill of Materials 	Ongoing
25	First E & P/EPCM ENGINEERS	Okey Onwuka Engr. John Alamu	Swamp/Onshore	ISENI Gas Concept Development Study	<ul style="list-style-type: none"> • Gas Technology Options Comparison/Analysis (TWISTER, TURBO EXPANDER, MRU, JT, ETC) • Preliminary Concept Development • Preliminary FEED • Options Risk Assessment • Concept Selection Report 	2017
26	SEPLAT/EPCM ENGINEERS	Okey Onwuka Segun Moses	Onshore	Supply and installation of Smokeless 25 MMSCFD Gas Flare to Ohaji Flow Station	<ul style="list-style-type: none"> • Equipment Delivery, Installation and Commissioning 	September 2019
27	Energia/Oando JV OML 56/EPCM ENGINEERS	Okey Onwuka Felix A.V (Managing Director)	Kwale, Delta State Nigeria	OSBL (Outside Refinery Battery Limit) FEED and DED for Energia's 10,000 BOPD Refinery Project	<ul style="list-style-type: none"> • FEED • DED • IFC Documentation Development • Project Management Services 	Completed
28	Energia/Oando JV OML 56/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer) Felix A.V (Managing Director)	Kwale, Delta State Nigeria	Modular 17,500 Production Unit complete with Pressure Vessels, Water treatment, pumps, metering systems, plus integrated safety systems to recover production and cater for new wells.	<ul style="list-style-type: none"> • Process Studies on Current production profile • Static and Dynamic Process Simulation studies • Development of Modular Engineering Design for Easy-to-install and integrate modules. • Conduct HAZOP/HAZID/Risk Assessments on design 	Completed
29	OANDO Plc/EPCM ENGINEERS	Okey Onwuka Precious Egboro	Oshodi, Lagos, Nigeria	Detailed Engineering and Construction Design, PM and Commissioning of OANDO Plc's 10 MMSCFD CNG Mother station Facilities.	<ul style="list-style-type: none"> • Concept Design Development • Detailed Design • Procurement • Specifications/Datasheets • Construction Project Management • HAZOP Study • Constructability Reviews 	Completed

				<ul style="list-style-type: none">• Risk Analysis• Development of Facility Control Philosophy• Manuals• Execution Project Management		
30	Oando PLC, Nigeria/EPCM ENGINEERS	Okey Onwuka Precious Egboro	Port-Harcourt	OER 10KM x 12” AGIBUA Gas Distribution Pipeline FEED Project	<ul style="list-style-type: none">• Route Selection Risk/Opportunity Analysis• Detailed Process, Mechanical, E & I Design and Specifications• Procurement Datasheets• IFC documents/drawings	Completed
31	Independent Project	Okey Onwuka, Principal Consultant	Kwale/Niger Delta	Development of an100 MMSCFD Condensate Recover/Gas Processing Plant to Optimize on oil/condensate recovery and generate revenue through LPG production and Natural Gas for Pipeline sales.	<ul style="list-style-type: none">• Concept definition• Engineering Design• Equipment sizing and selection• Procurement• Package selection and Integration	Completed
32	Energia/Oando JV OML 56 /EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer) Felix A.V (Managing Director)	Kwale, Delta State Nigeria	Conceptual/Feasibility Studies on Alternate Direct Crude Oil Export Facilities: 30,000- 50,000 BOPD Export Capacity	<ul style="list-style-type: none">• Identification of Alternative Export Options• Concepts Development• Network Outlay• Options Risk Assessment• Preliminary Route Surveys & Assessment• FEED for Pipelines, Jetty and Associated Facilities• Project Execution Cost estimates• Bill of Materials	Completed
33	Midwestern Oil & Gas Company Plc/EPCM ENGINEERS	Okey Onwuka Engr. Peter Idowu Engr. Charlse Odita	Unusadege, Delta State, Nigeria.	Project Management: Construction of Umu East to Central Processing Facility Flowlines/Pipelines	<ul style="list-style-type: none">• Project Manager• Project Engineers• Welding Inspection Services• QA/QC- Quality Assurance and Quality Control• HSE Inspectors• Pre-Commissioning and Commissioning• As-Built documentation• Concept Development• Options Outlay	Completed
34	Midwestern Oil &	Okey Onwuka	Unusadege, Delta State, Nigeria.	UMU-EAST Flowline and Pipeline FEED and	<ul style="list-style-type: none">• Options Outlay	Completed

	Gas Company Plc/EPCM ENGINEERS	Engr. Peter Idowu Engr. Charlse Odita		DETAILED DESIGN	<ul style="list-style-type: none"> Options Risk Assessment FEED Process, Mechanical, Electrical, Instrumentation, Structural/Civil Deliverables Detailed Engineering Design: Process, Mechanical, Electrical, Instrumentation, Structural/Civil Deliverables Detailed Bill of Materials and Cost Estimates 	
35	Midwestern Oil & Gas Company Plc/EPCM ENGINEERS	Okey Onwuka Engr. Peter Idowu Engr. Charlse Odita	Unusadege, Delta State, Nigeria.	2 X 40,000 BBIs Storage Tank FEED and Detailed Engineering Design, Construction,	<ul style="list-style-type: none"> Concept Development and Selection Studies Civil/Structural Design and Specifications Mechanical Design and Specifications in line with API RP 650 Process Design and Specifications E & I Design and Specifications Cathodic Protection System Export Pumps Sizing and Selection Equipment Sizing and Selection Process Piping Design Materials Selection Process, Mechanical, Electrical, Safety, Civil/Structural Deliverables Site Integration Works 	Completed
36	Midwestern Oil & Gas Company Plc/EPCM ENGINEERS	Okey Onwuka Engr. Peter Idowu Engr. Charlse Odita	Unusadege, Delta State, Nigeria.	CPF Debottlenecking Project: Increase production capacity from 20,000 BOPD to 40,000 BOPD.	<ul style="list-style-type: none"> Development of Problem Statement CPF Modelling and Problem Resolution Flow Assurance and Hydraulic Calculations Mechanical Design Piping Stress Analysis 3D Concept Design Isometrics and Layout Drawings Civil and Foundation Drawing Project Costing Project Management Value Engineering 	Completed
37	Midwestern Oil & Gas Company Plc/EPCM ENGINEERS	Okey Onwuka Engr. Peter Idowu Engr. Charlse Odita	Unusadege, Delta State, Nigeria.	Eriemu Manifold & Pipeline Design	<ul style="list-style-type: none"> Flow Assurance and Hydraulic Calculations Mechanical Design Piping Stress Analysis 3D Concept Design 	Completed

					<ul style="list-style-type: none"> • Isometrics and Layout Drawings • Civil and Foundation Drawing • Project Costing • Project Management 	Completed
38	Pillar Oil Limited, Umusadege, Delta State, Nigeria. /EPCM ENGINEERS	Okey Onwuka Engr. Babatunde Olayinka	Delta State, Nigeria.	Debottlenecking and Design/LP Separator EPC and Installation Project : Increase production capacity from 2,000 BOPD to 7,500 BOPD	<ul style="list-style-type: none"> • Solution Conception • 3D Concept Design • 3D Plant Layout Drawings • 3D Installation Drawings • Procurement of LP Separator • New LP Separator Instrumentation • Hookup and Fabrication of Associated Tie-ins to Existing Oil/Water/Gas Outlets 	Completed
39	Energia/Oando JV OML 56 in Kwale/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer) Felix A.V (Managing Director)	Delta State Nigeria	2 x 30,000 BBLS Crude Oil Storage Tank FEED Project	<ul style="list-style-type: none"> • Concept Development and Selection Studies • Civil/Structural Design and Specifications • Mechanical Design and Specifications in line with API RP 650 • Process Design and Specifications • E & I Design and Specifications • Cathodic Protection System • Export Pumps Sizing and Selection • Equipment Sizing and Selection • Process Piping Design • Materials Selection • Process, Mechanical, Electrical, Safety, Civil/Structural Deliverables • Site Integration Works 	Completed
40	Energia/Oando JV OML 56 in Kwale/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer) Felix A.V (Managing Director)	Delta State Nigeria	5,000 BOPD Topping Plant/Refinery Project – Concept, FEED, ITT for EPC	<ul style="list-style-type: none"> • Concept development and Selection • FEED Development • 3D Drawings • Mechanical design and specifications • Process design and specifications • E & I design and Specifications • Equipment sizing and selection • Process Piping Design • Materials Selection • Process, Mechanical, Electrical, Safety, Civil/Structural Deliverables. 	Ongoing
42	Midwestern Oil & Gas Company Plc/EPCM ENGINEERS	Okey Onwuka Engr. Peter Idowu	Delta State, Nigeria.	Crude Gathering Project	<ul style="list-style-type: none"> • Concept development and Selection • FEED Development • 3D Drawings • Mechanical design and specifications 	Completed

	Engr. Charlse Odita			<ul style="list-style-type: none">• Process design and specifications• E & I design and Specifications• Equipment sizing and selection• Process Piping Design• Materials Selection• Process, Mechanical, Electrical, Safety, Civil/Structural Deliverables.• Site Integration Works		
42	Polar Habour Nigeria Limited/EPCM ENGINEERS	Okey Onwuka	<ul style="list-style-type: none">• Lekki-Epe Expressway, Lagos.• Lakowe Phase II, Lekki-Epe Expressway• #4, Tabuko Gere Close, Bakare Estate, Agungi, Lekki.	Building Construction Projects. <ul style="list-style-type: none">• Plot D486, Royal Garden Estate.• Olokonla, Housing Victory Estate, Golf Road.• CO-116 Complex.	<ul style="list-style-type: none">• 5-Bedroom Duplex + 2-Bedroom BQ – External and Internal Tiles Finishing, Indoor Swimming Pool, 8 Units of 3-Bedroom Duplexes + 1Bedroom BQ• 5 Units of 4-Bedroom Twin Semi Detached Duplexes• Office Complex – Conference Facilities, Training Facilities, External Tiles Finishing,	Completed
43	Energia/Oando JV OML 56/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer) Felix A.V. (Managing Director)	Delta State Nigeria	30,000 BOPD Facilities Upgrade Concept Studies, Selection & Design	<ul style="list-style-type: none">• Develop Basic Concept OPTIONS and perform Concept Selection Analysis• Perform Simulation Studies(PIPESIM Modelling, HYSYS Process Modelling, Flowline/Pipeline Analysis, Process Train Capacity Checks, sizing & Evaluation)• Concept Selection Matrix/Concept Selection Workshop• Base Cost Estimates(Parametric, Grounds Up, others)• Debotlenecking of existing Facilities from 10,000 BOPD capacity to 15,000 BOPD Capacity• Expansion facilities to upgrade to combined capacity of 30,000 BOPD FEED on Adopted Concept• Detailed Design on Modular Expansion Modules	Completed

				<ul style="list-style-type: none">• Basis Of Design, PFDs, P&IDs, Gas, Isometrics, Electrical Line Diagrams, Structural Drawings• Procurement Datasheets• Bill of Materials• Process Training for company Engineers		
44	Energia/Oando JV Facilities/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer) Felix A.V. (Managing Director)	Ebendo Flowstation in Delta State Nigeria	Debottlenecking and Design, Procurement and Installation of New LP and HP Flare Systems	<ul style="list-style-type: none">• Design of Flare and Vent Tips• Flare Thermal Radiation Analysis• Radiation Isopleth plots• Installation drawings- GAs, Isometrics• Procurement of Flare LP Knock Out Drum• Procurement of LP and HP Flare• Successfully commissioned.• Project enabled the company to tie-in 4 new additional wells which had been shutin due to capacity limits on the Process Plant.	Completed
45	Midwestern Oil & Gas Company Plc./EPCM ENGINEERS	Okey Onwuka Engr. Peter Idowu Engr. Charlse Odita	Delta State, Nigeria	12"x 53km UACL Crude Oil Pipeline Certification: Commissioning and Start-Up	<ul style="list-style-type: none">• Pre-Start-up Inspection• Verification• Certification and Calibration• Accelerated Pump/piping modification to meet First Oil Targets• Piping Isometrics• Bill of Materials	
46	General Public – Engineering and Science Graduates	Okey Onwuka	Bakare Estate, Agungi, Lekki, Lagos.	FEDP Career Development Program for Engineers and Science graduates	<ul style="list-style-type: none">• Program started in 2009 as 2-week workshops.• Program upgraded to 4-month Intensive• FEDP-111 format which Commenced February 3, 2014.• Current Class commenced June 2, 2014• Next Class starts September 2, 2014.• Programs all ADVERTIZED in THE GUARDIAN NEWSPAPER	Completed
47	NAV GAS Limited/EPCM ENGINEERS	Okey Onwuka Monday Adeoye	Apapa, Lagos	LPG Blending Facilities Detailed	<ul style="list-style-type: none">• Final detailed design specifications for Blender, Pumps and Piping systems• Equipment Procurement Datasheets• Line Pipe Procurement Datasheets• General Equipment Plot plans	

				<ul style="list-style-type: none">• Piping General Arrangement Drawings• Piping Isometrics• Process, Mechanical, Electrical, Safety, Civil/Structural Deliverables.		
48	NAV GAS Limited/EPCM ENGINEERS	Okey Onwuka Monday Adeoye	Apapa, Lagos	LPG Blending Facilities FEED	<ul style="list-style-type: none">• Concept selection studies• Equipment sizing and selection• Process Piping Design• Materials Selection• Pump Sizing and Selection• Process, Mechanical, Electrical, Safety, Civil/Structural Deliverables.	
49	Oando Reservoir And Production Services / Network E & P/EPCM ENGINEERS	Okey Onwuka Precious Egboro	Eket, Akwa Ibom, Nigeria	FEED & FEED Update, EPF/Central Crude Oil Processing Facilities	<ul style="list-style-type: none">• Flow Lines Design• Pipeline Design• Geotechnical Surveys• Heavy Oil and Light Oil Blending• Surface Production, Storage and Export Facilities• Produced Water System packages• Process, Mechanical, Electrical, Civil/Structural Engineering deliverables.	Completed
50	PAN OCEAN Oil Corporation/EPCM ENGINEERS	Okey Onwuka Prince Eburuo		Flare Thermal Radiation Analysis.	<ul style="list-style-type: none">• Flare back-pressure analysis• Flare Thermal Radiation analysis• Thermal radiation plots• HAZID• Quantitative Risk Analysis	Completed
51	OANDO Plc/EPCM ENGINEERS	Okey Onwuka Precious Egboro		Concept Development Studies for OANDO's Akepo Offshore and Onshore Crude Oil Production Facilities.	<ul style="list-style-type: none">• Concept Development and FEED• Pre-Construction Risk Analysis	Completed
52	OANDO Plc/EPCM ENGINEERS	Okey Onwuka Precious Egboro		HAZOP Studies and Risk Assessment workshop for Detailed Design of Akepo Wellhead and Pipeline Facilities	<ul style="list-style-type: none">• HAZOP & RA Report• Action Tracking Register• Risk Bubble Plots	Completed
53	ENERGIA/OANDO JV /EPCM ENGINEERS	Okey Onwuka Good luck Eleazu (Project Engineer) Felix A.V.		Design of 6" Crude Delivery Pipeline	<ul style="list-style-type: none">• Detailed Process, Mechanical, E & I Design and Specifications• Procurement Datasheets• IFC documents/drawings	Completed

	(Managing Director					
54	ENERGIA/OANDO JV/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer)	Calabar, Cross River State	Early Production Facility Concept Risk Assessment.	<ul style="list-style-type: none"> Data gathering/Document Collation (PFD, P&IDs, Cause and Effect Matrix) Consequence Modelling Analysis Risk Assessment Workshop Issue Final Study Report (Risk assessment Report and Action Tracking Register) 	Completed
55	East Horizon Gas Company (EHGC) /EPCM ENGINEERS	Felix A.V. (Managing Director)	Calabar, Cross River State	Design, Procurement and Construction of Access Platforms for EHGC PRMS Facilities at City Gate and UNICEM locations	<ul style="list-style-type: none"> Design Procurement Construction/Commissioning 	Completed
56	East Horizon Gas Company (EHGC) /EPCM ENGINEERS	Okey Onwuka Precious Egboro	Calabar, Cross River State	Design, Procurement and Construction of 2 x 44000 Firewater Storage Tank for EHGC City Gate PRMS Facilities	<ul style="list-style-type: none"> Design Procurement Construction Commissioning 	Completed
57	East Horizon Gas Company (EHGC) /EPCM ENGINEERS	Okey Onwuka Precious Egboro	Calabar, Cross River State	Design, Construction and Installation works on 2 x 100% Capacity Weishaup/Vitoplex 200 Boiler/Burner units	<ul style="list-style-type: none"> Installation Design Start-Up/Operations Procedures and manuals Troubleshooting Commissioning 	Completed
58	East Horizon Gas Company (EHGC) /EPCM ENGINEERS	Okey Onwuka Precious Egboro	Calabar, Cross River State	Fire Consequence and QRA Studies for OANDO/EHGC PRMS Facilities in Cross River State	<ul style="list-style-type: none"> Fire Protection System guidelines Phased Installation Plan 	Completed
59	East Horizon Gas Company (EHGC) /EPCM ENGINEERS	Okey Onwuka Precious Egboro	Calabar, Cross River State	Pre-Commissioning and Commissioning Engineering Consultants for 18" x 128Km EHGC Natural Gas Pipeline Facilities from Akwa Ibom to Cross River State	<ul style="list-style-type: none"> Pre-Commissioning Punch list development and stewardship to closure Commissioning Procedure Manuals Nitrogen Purging Procedures Start-Up Procedures and Plans Fire And Gas Protection System design, execution and Operating Manual Isolation Procedures Blow-down Philosophy/Procedures Vent Dispersion Studies Boiler Commissioning Procedures 	Completed

				<ul style="list-style-type: none"> Vitoplex 200 Boiler Operating Procedures and Manuals 	
60	ENERGIA/OANDO IV/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer)	OANDO/ENERGIA EPF Detailed Design HAZOP Study	<ul style="list-style-type: none"> Data gathering/Document Collation (PFD, P&IDs, Cause and Effect Matrix) Study Workshop Facilitation Issue Final Study Report 	Completed
61	ENERGIA/OANDO IV/EPCM ENGINEERS	Felix A.V. (Managing Director) Okey Onwuka Goodluck Eleazu (Project Engineer)	Kwale, Delta State 2 x 10, 000 Barrels Crude Storage Tank FEED, Detailed Engineering Design and Project Management	<ul style="list-style-type: none"> Civil/Structural design and specifications Mechanical design and specifications in line with API RP 650 Process design and specifications E & I design and Specifications Cathodic Protection System Crude oil Inter-Tank Transfer and Export pumps Tank Operating System Manuals Start-Up and Commissioning Procedures Facility Interconnection/Procedure Manuals Construction Project Management and Execution Procedures & Manuals 	Completed
62	ENERGIA/OANDO/EPCM ENGINEERS IV/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer) Felix A.V. (Managing Director)	FEED and Detailed design	<ul style="list-style-type: none"> Flow-station Perimeter Fence Procurement and Installation of Mini Separator Design & Const of 4" In-let manifold to accommodate well 4 & 5 Design & Const of 2 x 4' x 400m Flow line from well 4 to Inlet manifold Design Fabrication/Installation of a gas scrubber. Design and Construction of MCC Design of Mini Warehouse for the flowstation. Design and Construction of Produced water Treatment Facility Procurement and installation of 500KVA Transformer. Procurement and Installation of 500KVAgas fired generators 	Completed

				<ul style="list-style-type: none"> Design of gas metering system at the flowstation 	
64	ENERGIA/OANDO JV/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer)		Detailed Design of Produced Water System	Completed
		Felix A.V. (Managing Director)		<ul style="list-style-type: none"> Design specifications Equipment Datasheets Demolition Plan Construction Procedures Operating Procedures Maintenance Procedures/Plan Bill of Materials Cost Estimates/Budget 	
65	ENERGIA/OANDO JV/EPCM ENGINEERS	Okey Onwuka		<ul style="list-style-type: none"> 	
66	ENERGIA/OANDO JV/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer)		<ul style="list-style-type: none"> Detailed design of Energia's New Administration and Accommodation Complex Civil Design specifications Demolition Plan Construction Procedures Bill of Materials Cost Estimates/Budget 	Completed
		Felix A.V.(Managing Director)			
67	ENERGIA/OANDO JV/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer)		<ul style="list-style-type: none"> Development of Energia Facility AsBuilt 2D/3D Layout drawings & Operations Data Site Inspection /Visitation Facility Survey/Data gathering Review Construction MOC Develop 2D/3D Layout Drawing 	Completed
		Felix A.V. (Managing Director)			
68	ENERGIA/OANDO JV/EPCM ENGINEERS	Okey Onwuka Goodluck Eleazu (Project Engineer)	Kwale, Delta State	<ul style="list-style-type: none"> Energia Flowstation Process Capacity Upgrade to 10,000BOPD. Test Separator design & Specifications HP Separator Control System upgrade LP Separator Control System upgrade Flare System Capacity upgrade Setting Tank/ Surge vessel upgrade Process Piping upgrade re-design 	Completed
		Felix A.V. (Managing Director)			
69	PAN OCEAN OIL CORPORATION /EPCM ENGINEERS	Okey Onwuka Prince Eburuo		<ul style="list-style-type: none"> 200 MMSCFD Gasprocessing facility Front End Engineeringdesign (FEED). Concept Development Front End Engineering Design ITT Package 	Completed
70	PAN OCEAN OIL	Okey Onwuka		<ul style="list-style-type: none"> Mini LPG Plant Concept Development 	Completed

	CORPORATION /EPCM ENGINEERS	Prince Eburuo		Facilities Design and Evacuation Pipeline (FEED)	<ul style="list-style-type: none"> • Front End Engineering Design 	
71	PAN OCEAN OIL CORPORATION /EPCM ENGINEERS	Okey Onwuka Prince Eburuo		Flare Thermal Radiation Study/Fire Consequence Analysis	<ul style="list-style-type: none"> • Data gathering and gap analysis • Site Inspection • Study Workshop Facilitation • Issue Final Study Report 	Completed
72	PAN OCEAN OIL CORPORATION/EPCM ENGINEERS	Okey Onwuka Prince Eburuo		Gas Processing Plant HSE Case	<ul style="list-style-type: none"> • Statement of Fitness • Review of Operating Philosophy and Upgrades • Development of Asset Integrity Procedures • Development of Operating/Maintenance Procedures • Failure Modes and Effects Analysis (FMEA) and Reporting • Fire Consequence Analysis • Risk Assessments and Report • HSE Case structure Development • HSE/Safety Management System Hazard/Risk Register Development 	Completed
73	PAN OCEAN OIL CORPORATION /EPCM ENGINEERS	Okey Onwuka Prince Eburuo		Production Flowstation HSE Case	<ul style="list-style-type: none"> • Statement of Fitness • Review of Operating Philosophy and Upgrades • Development of Asset Integrity Procedures • Development of Operating/Maintenance Procedures • Failure Modes and Effects Analysis (FMEA) and Reporting • Fire Consequence Analysis • Risk Assessments and Report • HSE Case structure Development • HSE/Safety Management System Hazard/Risk Register Development 	Completed
74	PAN OCEAN OIL CORPORATION /EPCM ENGINEERS	Okey Onwuka Prince Eburuo		Conducted Safety Integrity Level (SIL) Assessment for PAN OCEAN CORPORATION's 65 MMSCFD Gas	<ul style="list-style-type: none"> • Data gathering • Study Workshop Facilitation • Issue Final Study Report 	Completed

				Processing Plant		
75	FRONTIER OIL LIMITED /EPCM ENGINEERS	Okey Onwuka Ken Jambadi	Uquo Field LIMITED Production, Eket	Early Production & Crude Trucking Sales Planning, Risk Assessment and Journey Management for Frontier Oil Limited (FOL).	<ul style="list-style-type: none"> • Data gathering • Study Workshop Facilitation • Issue Final Study Report 	Completed
76	Frontier, Universal & Network (FUN) /EPCM ENGINEERS	Okey Onwuka Ken Jambadi	Eket, Akwa Ibom.	FUN-MPN QT-Facilities Design, Construction Project Management & Commissioning Project.	<ul style="list-style-type: none"> • Construction Contractor Bid Analysis and • Selection • Procurement RFQ Bid Analysis, MPN • Requirements • reconciliation/alignment, Contractor Clarifications/ response • MPN-FUN Interface Project Management- 3 Months • Development of 36# Operations and Maintenance Manuals • Development of Construction Work Packs • and Procedures for Civil, Mechanical, Electrical and Instrumentation Work • Scopes. • Modification design of Civil/Structural Foundation for Construction Phase + Redesign • of buried pipeline to Surface pipeline. 	Completed
77	LINETRALE GAS LIMITED /EPCM ENGINEERS	Okey Onwuka Mr. Felix Ekundayo	Apapa, Lagos.	Detailed Design HAZOP Studies for Linetracle Gas Ltd 240 Tons LPG Storage & Distribution Terminal.	<ul style="list-style-type: none"> • Data gathering • Study Workshop Facilitation • Issue Final Study Report 	Completed
78	LINETRALE GAS LIMITED /EPCM ENGINEERS	Okey Onwuka Mr. Felix Ekundayo	Apapa, Lagos.	Development of Detailed HSE	<ul style="list-style-type: none"> • Document collation gathering and gap analysis. • Issue Final HSE MS Document 	Completed

				Management System Manuals for Linetrals		
				Gas Limited's LPG Plantand Distribution Facilities		

RELOCATION OF AFIESERE GAS GENERATOR

CLIENT: HERITAGE OPERATIONAL ENERGY SERVICES LIMITED



RELOCATION OF AFIESERE GAS GENERATOR

CLIENT: HERITAGE OPERATIONAL ENERGY SERVICES LIMITED



FABRICATION AND INSTALLATION OF 4 PIG TRAPS (4 RECEIVERS) AT OBEN

CLIENT: SEPLAT PETROLEUM DEVELOPMENT COMPANY



FABRICATION AND INSTALLATION OF 4 PIG TRAPS (4 RECEIVERS) AT OBEN

CLIENT: SEPLAT PETROLEUM DEVELOPMENT COMPANY



OKPORHURU-OROGHO GAS LIQUID CYLINDRICAL CLONE GLCC (EPIC PROJECT)

CLIENT: SEPLAT PETROLEUM DEVELOPMENT COMPANY



SAPELE GAS PLANT DECOMMISSIONING AND ELECTRICAL MODIFICATION WORKS

CLIENT: SEPLAT PETROLEUM DEVELOPMENT COMPANY



EPC OF OHAJI SOUTH REMOTE OIL MANIFOLD EXPANSION

CLIENT: SEPLAT PETROLEUM DEVELOPMENT COMPANY



CONSTRUCTION OF FLOWLINES AND GAS-LIQUID-CYLINDRICAL-CYCLONE(GLCC) SEPARATOR AT OHAJI

CLIENT: SEPLAT PETROLEUM DEVELOPMENT COMPANY



Clients



Partners/ OEM



CLIENTS &
PARTNERS

