



IMSE
ENERGY RESOURCES

UPSTREAM MARINE | EPCI | OIL SPILL SOLUTIONS | PROCUREMENT SERVICES

CONTENT

- ABOUT US
- FRAMEWORK OF SERVICE OFFERINGS
- CORE VALUES & WHY CHOOSE US
- SERVICES
- PROJECT MANAGEMENT FRAMEWORK
- MOORING
- CLIENTS & LOCATION
- CONTACT US





**We are a Corporate Group
delivering Quality and Standard
Services Across the Globe.**

▸ ABOUT US

Established in 2019 and headquartered in Lagos, Nigeria, IMSE Energy Resources is a leading oil servicing company that specialises in the provision of Engineering, Procurement, Construction and Installation services (EPCI) to the major players in the oil and gas industry. We also provide marine logistics services, to ensure that our clients needs are covered, end-to-end.

We work closely with our clients to ensure seamless delivery of project operations, by supplying a variety of vessels and equipment, including, Multi-Purpose Support Vessels – MPSV, platform supply vessels, subsea construction vessels, offshore accommodation vessels, pipe lay installation vessels, security vessels, anchor handling tugs, barges, rigs, rigging gears, telescopic gangway, ROVs and ROV tooling.

We have established a successful track record in project delivery, supported by strong technical partnerships, an established base of capable local staff, marine logistics vessels, fabrication yards, effective Operations, Installation, Maintenance and Repair (OMIR) services and unwavering unswerving commitment to HSE.

As a socially responsible company, our projects are completed locally, harnessing the skills and capabilities of engineers in the local area. We support bright students through to graduate level as we strive to develop and maintain a youthful, energetic workforce, serving both the needs of the business and the community.

Today, IMSE Energy Resources combines proven technology, highly skilled people and processes to deliver extensive and integrated engineering solutions to our clients.

We continually work to forge closer links with operators to reduce costs and project delivery timelines, exploring possibilities to simplify the development design, and deliver contracting efficiency with fewer interfaces and phases. We value health, safety, and the environment, compliance with local and international laws and being a trusted partner to governments and communities.

We are committed to upholding the highest standards of integrity and transparency and have structured our business to guarantee our clients easy access to the most dedicated and focused capabilities to best fit their needs.



Our Vision

Our vision is to make a real difference and positively impact our clients across the energy value chain, both locally and globally.



FRAMEWORK OF SERVICE OFFERINGS

WE PROVIDE THE FOLLOWING SERVICES:

- Engineering, Procurement, Construction and Installation (EPCI) services
- Marine logistics services

We supply a variety of vessels and equipment, including:

- Multi-purpose Support Vessels – MPSV
- Platform Supply Vessels
- Subsea Construction Vessels
- Offshore Accommodation Vessels
- Pipe Lay Installation Vessels
- Security Vessels
- Anchor Handling Tugs, Barges, Rigs, Rigging Gears, Telescopic Gangway, Rovers and Rov Tooling.



OUR CORE VALUES



PROFESSIONALISM

Our team of professionals have significant industry experience and exposure over a considerable period to delivering consistently to our clients.



EXCELLENCE

We work round the clock to ensure that the clients needs are prioritized and delivered to global standards.



INTEGRITY

We act in the best interest of our clients and we always put their needs and operations first.

WHY CHOOSE US

MSE Energy Resources makes a real difference for clients across the energy value chain, both in Nigeria and around the world. We are committed to upholding the highest standards of integrity and transparency and have structured our business to guarantee our clients easy access to the most dedicated and focused capabilities to best fit their needs.





OUR SERVICES

UPSTREAM MARINE SERVICES

- Marine logistics (Multi Purpose Support Vessels –MPSV, Subsea Construction Vessels, Offshore Accommodation Vessels, Pipe lay Installation Vessels)
- Conductor supported platforms

OIL SPILL SOLUTION

- 24/7 Monitoring and detection systems
- Hybrid Oil Skimmer
- Oil spill emergency response and recovery
- Oil spill clean-up and remediation
- Supply of OSR materials, equipment & chemicals such as dispersants skimmer, absorbents, containment booms, spill kits; pumps storage tanks.

PROCUREMENT

- Procurement: Pipes, Steel and Project Materials
- PPEs.
- Valves, flanges, gaskets, etc.
- Laptops, PC parts and equipments.

EPCI

- Engineering: FEED including Detailed Engineering
- Fabrication: Piping, Structures, Skids, PLEM, PLET, ILT, Jumpers, SPMs
- Offshore Installation, Commissioning and Decommissioning
- Operation and Maintenance
- Gas pipeline construction, installation and commissioning.

Our Services

MARINE LOGISTICS

Our marine & offshore logistics is well positioned to respond to the oilfield needs of our clients. We are capable of supplying the following type of vessels and much more:

We are capable of supplying the following type of vessels and much more:

1. Crew Boats: We also provide anchored or dynamic positioned crew boats for transporting employees of client companies from the shore to offshore locations like drilling rigs, platforms and other remote installations offshore. These boats are of different varieties and can be customized to our client's requirement and specification on request.
2. Supply and Utility Vessels: We provide supply and utility vessels to our clients for logistic support and transportation of goods, tools, equipment and personnel to and from offshore oil platforms and other offshore structures.
3. Escort and Patrol Vessels: We have vessels which can be used to escort cargo and personnel to and fro offshore oil platforms and other offshore structures.
4. Other Maritime Assets: Based on our strategic alliances in the Maritime sector, we have developed the ability to source on a bare boat basis from different maritime hubs.
 - ▶ Multi-Purpose Support Vessels – MPSV
 - ▶ Subsea Construction Vessels
 - ▶ Offshore Accommodation Vessels
 - ▶ Pipelay Installation Vessels
 - ▶ Security Vessels
 - ▶ Tug boats
 - ▶ Rig move



Our Services

ENGINEERING

We deliver practical, sustainable and innovative engineering solutions. Our consultants and engineers provide solutions which drive operational excellence, deliver cost savings and foster long term partnerships.

DESIGN ENGINEERING

- ▶ Front end engineering design (FEED)
- ▶ Detailed design studies– Specialist design studies
- ▶ Offshore and onshore pipeline design
- ▶ Piping and system design mapping and scanning

DESIGN ENGINEERING

- ▶ Technical note and reviews
- ▶ Integrity plan development
- ▶ Asset integrity management
- ▶ Yearly integrity assessment
- ▶ Life extension studies
- ▶ Fitness for purpose review
- ▶ Integrity software solutions

PROJECT MANAGEMENT

- ▶ Project assurance support
- ▶ Project management and planning
- ▶ Project costing– Simplification projects
- ▶ Asset validation projects development and execution

INDEPENDENT VERIFICATION

- ▶ Independent verification services
- ▶ Compliance review
- ▶ Asset audits and baseline review
- ▶ Asset efficiency review studies



Our Services

DECOMMISSIONING

MANAGING LIABILITIES

- ▶ Decontamination
- ▶ Environmental monitoring
- ▶ Future public consultations
- ▶ Retention of records
- ▶ Update of asset register

PLANNING FOR DECOMMISSIONING AND ENVIRONMENTAL CONSIDERATION

- ▶ Review and audit of pipeline system
- ▶ Review of pipeline characteristics
- ▶ Production pigging program review
- ▶ Review of pipeline limitations against environmental and climate conditions
- ▶ Review accessibility and 3rd party spreads
- ▶ Crossing and hazard removal



POST REMOVAL ENGINEERING

- ▶ Chemical selection for decommissioning
- ▶ Engineering review of impact of fluid displacement on buoyancy
- ▶ Review of pipeline topography
- ▶ Review of associated and auxiliary process facilities
- ▶ Review of pipeline condition and integrity of all facilities
- ▶ Pre-evacuation cleaning review

REMOVAL FROM SERVICE & ON-GOING MONITORING AND MAINTENANCE

- ▶ Pigging and flushing
- ▶ Inert clearance / liquid / flushing / purging
- ▶ Pipeline deterioration
- ▶ Environmental impact Assessment
- ▶ Re-use of valves and facilities
- ▶ Termination of pipeline corridor agreements
- ▶ Pressure and corrosion monitoring
- ▶ Surveillance

Our Services

PIPELINE SERVICES

ENGINEERING

- ▶ FEED, DE and Review of engineering design
- ▶ Development of BoD and engineering design
- ▶ Engineering reliability studies
- ▶ Rehabilitation review and execution
- ▶ Engineering assurance
- ▶ Pipeline inspection alternatives and validation

INTEGRITY AND INDEPENDENT ASSURANCE

- ▶ FFP assessment and (independent) re-assessment.
- ▶ Pipeline service lifetime extension.
- ▶ Corrosion under insulation (CUI).
- ▶ Project assurance and verification (independent) support.
- ▶ Pipeline validation.



PIGGING AND INTELLIGENT PIGGING

- ▶ Pigging full value chain (feasibility, risk assessment, inspection, client supervision and reporting)
- ▶ Gap analysis including modifications and assurance
- ▶ Pig design, pig launcher / receiver design and fabrication
- ▶ Contractor selection and management
- ▶ Pipeline decommissioning pigging requirement.

CATHODIC PROTECTION SYSTEMS

- ▶ CP potential survey to develop a profile of the CP system and identify all Trs and test points (TP)
- ▶ Soil resistivity tests to establish the criteria to obtain adequate protection
- ▶ Close interval potential (CIPS) survey
- ▶ Redesign and upgrade of CP systems
- ▶ Cathodic Protection Insulation Joint (I.J) charge out
- ▶ Potential / current monitoring
- ▶ CP system with solar energy bank

Our Services

MAINTENANCE SUPPORT

OPERATIONAL SUPPORT

- ▶ Review / development of standard operational testing procedures.
- ▶ Review / development of testing volumes and maximum normal operating pressures.
- ▶ Emergency breakdown response.
- ▶ Routine maintenance during scheduled shutdown.
- ▶ Tagging and identification.

MAINTENANCE SYSTEM SUPPORT

- ▶ Preventative maintenance.
- ▶ Maintenance Support– Development of maintenance strategy.
- ▶ Root cause investigation, diagnostics, repairs and reporting.
- ▶ Reconditioning and servicing.
- ▶ Stock / spares management.

MAINTENANCE SUPPORT

- ▶ Component replacement cycle review.
- ▶ Development of performance standards under Safety critical Element (SCE).
- ▶ Training and competencies support / management.
- ▶ Historical performance analysis and benchmarking.

SYSTEM RELIABILITY AND AVAILABILITY

- ▶ Asset availability and reliability assessment.
- ▶ Valve reliability and availability assessment.
- ▶ Plant component reliability management.
- ▶ Yearly maintenance regime review– Performance indicators.
- ▶ Risk management and reduction.
- ▶ Reduce downtime and interventions.



Our Services

VALVE INTEGRITY AND VALVE - IMS

OPERATIONAL EXCELLENCE AND COST SAVING

- ▶ Up to 75% savings in cost.
- ▶ Reduction in man hours.
- ▶ Integration with CMMS.
- ▶ Integration of all operations.
- ▶ Integration of 3rd party assets.
- ▶ QA/QC review process integrated.
- ▶ Reduction in loss of information.
- ▶ Holistic risk management.

COMPLIANCE AND RISK MANAGEMENT

- ▶ Risk assessment is designed to suit specific client's processes and policies.
- ▶ Algorithms considers the location (country, region, etc.).
- ▶ Standards is valve type / function specific.
- ▶ Supports activity planning and record management.
- ▶ Supports independent verification and company audit processes.



TRENDING AND RELIABILITY ENGINEERING

- ▶ Assistant engineering.
- ▶ Valve leading and lagging indicators.
- ▶ Failure mode analysis.
- ▶ Valve reliability and availability calcs.
- ▶ Automatic trending and data storage.
- ▶ PDF reports generation.
- ▶ Support the asset integrity yearly review activities.

AS-BUILT AND INSPECTION DATABASE

- ▶ Documentation of as-built.
- ▶ Unique valve identifier and QR tagging.
- ▶ Stores OEM data (to component level) and OEM requirements.
- ▶ Historical failure integration and global failure database.
- ▶ Valve datasheet, information and print.
- ▶ Details of operational activities.
- ▶ Details of changes to valve i.e. repairs, replacement, overhaul etc.

Our Services

PROCUREMENT AND PRE-FAB SUPPORT

- ▶ Pipelines (stainless steel, carbon steel)
- ▶ Pipes (6 70 mm WT)
- ▶ House lead-in combinations
- ▶ SURF protection components
- ▶ SURF components and systems
- ▶ Diverless PRC
- ▶ Pressure vessels
- ▶ Steel structures
- ▶ Valves (all valve groups)
- ▶ Valve components
- ▶ Insulation joints (DN 50 DN 1400)
- ▶ Pumps and compressors
- ▶ Special pieces (Tees, hot taps, plugging)
- ▶ Pig traps and pig trolleys
- ▶ Quick closure pig traps
- ▶ Flanges and piping pieces
- ▶ Anchor flanges
- ▶ Pressure regulators
- ▶ PPE



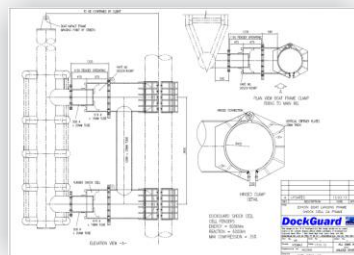
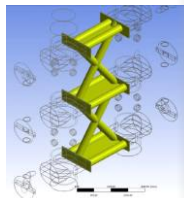
OUR PROJECT MANAGEMENT FRAMEWORK



MOORING

OFFSHORE PLATFORM BOAT LANDINGS

- Working within demanding parameters
- Extending service life through detail design
- Practical solutions for fast effective fitting
- AutoCad & ANSYS Finite Element Analysis



STS PRODUCTS

- Ship to Ship Transfer / Bunkering
- Pneumatic Fenders
- CTN, Sling & Ribbed
- Foam Fenders
- CTN & Sling
- Transfer Hoses
- Tug & Ship Fenders



TERMINAL PRODUCTS

- High Performance Fender Systems
- Complete with steel panels for low hull pressure
- Moulded Rubber Systems
- Steel walkways and gantries
- Low Friction UHMW-PE
- Chains, anchors and accessories
- Quick Release Hooks & Bollards
- Marine Loading Arms



EQUIPMENT AND TOOLS

- Convectional CP technology.
- Pipeline repair wrap.
- Pipeline repair clamps.
- Geometry, debris and environmental mapping tools.
- Valve integrity tool.
- Cathodic protection units and anodes.

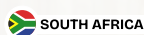


OUR CLIENTS

Belemaoil
...Truly Indigenous, World Class Brand



OUR LOCATION



CERTIFICATIONS





+234 816 2907 998



imseenergyinfo@gmail.com
info@imseenergygroup.com



168 Awolowo Road,
Ikoyi, Lagos, Nigeria



www.imseenergygroup.com