



navante
OIL & GAS COMPANY LTD.

LRQA CERTIFIED
9001:2015 | 14001:2015 | 45001:2018



OUR STRATEGY

“ Sustained growth is anchored on the development of World-Class Services, leveraging on our Partners & Expertise. ”

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ABOUT US



Navante is a fully independent indigenous company which provides tailored, high impact and cost-effective solutions to the unique needs of the onshore and offshore oil and gas industry. Our services include Production Operation & Maintenance Services, Procurement & Logistics, Fabric Maintenance, Construction, Mechanical Installations and Integrity Management and Engineering of Offshore and Onshore Production facilities.

Our workforce consisting of highly skilled engineers provide a bespoke service that ensures quality Front End Engineering Design (FEED), thereby providing the basis for an efficient cost estimate to enable clients make critical go-for-ward decisions.

Detailed Engineering and Project Management services are also provided to support client needs including turnaround scopes, feasibility studies and contingency planning. Our in-house expertise covers the facility lifecycle from pre-commissioning through to decommissioning and abandonment.

Navante is founded on commitment to excellence and comprehensive in-depth knowledge of a wide range of professional service delivery methods.

We have proven capabilities in our business areas by bringing together a project, employees and technical expertise in related field from across the world. This has resulted in our recognized standing as a leading provider of services solutions within these business areas with a quality management system as recognized with ISO 9001/2015 certification.

VISION AND CORE VALUE STATEMENT

Our Vision

To be the pace setter and partner of choice in the delivery of Oil & Gas projects and services in Nigeria and beyond

Our Core Values

- **Safety** 
Zero harm to people and the environment
- **Service Excellence** 
To leave our Clients with unparalleled customer experience
- **Integrity** 
Uphold the highest level of professional conduct and transparency
- **Team work** 
To work and win together
- **Innovation** 
Deploying new ways and evolving new ideas

SERVICES

PRODUCTION OPERATIONS AND MAINTENANCE SERVICES

Facility Operations & Maintenance

Navante's blend of qualified operate and maintain teams are driven by the need to meet specified production targets. Navante will implement operations and maintenance philosophies as defined within the facility operations manuals, thereby providing optimisations where required to increase uptime and overall availability.

1. Production Monitoring

At Navante we have experience monitoring the operations of various facilities (FPSOs, production platforms, flow stations, booster stations, pipelines, wellhead platforms equipment, etc). The typical skill set our people have cover equipment in oil and gas facilities which include:

- Crude oil pumps
- Test Separators
- Production Separators
- LP & HP Separators
- Surge vessels
- Flare systems
- Chemical Injection skids
- Emergency shutdown systems
- Instrument and measuring systems
- Pig Launcher and receiver System
- Export pipeline and appurtenances (Pig launcher/ receiver)
- Gas dehydrating units (TEG or MEG Units)
- Power Production units (Gas or Diesel Generators, Microturbines)
- Fire water systems
- Christmas Tree
- Wellhead Control Panel



SERVICES

PRODUCTION OPERATIONS AND MAINTENANCE SERVICES (CONTINUED)

1. Instrument Power Gas System

- Electric Submersible Pump (ESP) transformer
- Electric Submersible Pump (ESP)
- Leased Automated Custody Transfer Skid

2. Maintenance

At Navante we place a premium on maintenance activities. The philosophy is driven by placing emphasis on effective routine preventive maintenance activities to minimise the occurrence of critical equipment breakdown.

Maintenance activities shall be split into the following set of activities

1. Routine preventive maintenance
2. Breakdown Maintenance

3. Life of Field Support

At Navante we provide lifecycle solution for field support. Our experienced team of flow assurance Engineers are available round the clock to respond to any issue.

4. Flow Assurance

Our Flow Assurance solutions enable constructible, installable and operate designs that minimise risks while maximising reservoir recovery. Our project involvement

- Complex Gathering Networks
- Shallow Water Offshore Systems

Our people work within multi-discipline project teams to actively support asset development and maintenance throughout its life cycle. Key flow assurance activities we support are:

- Steady State and Transient Multi phase modelling of single pipelines/networks
- Detailed Well Modelling (Start-up, Shutdown, Well stability)
- Liquid Management in a Multi-phase Pipelines Network (Slugging, Slug -catcher Sizing, Pigging)
- Modelling of Pipelines Thermal Behaviour (Insulations, Active Heating)
- Thermal Testing and Validation · Solids Management (Wax, Asphaltene, Hydrates, Sand)
- Corrosion/Erosion Analysis

SERVICES

PRODUCTION OPERATIONS AND MAINTENANCE SERVICES (CONTINUED)

- Compositional Tracking Analysis (Commissioning Fluids, Chemical tracking, Gas Cap Modelling)
- Single Component Modelling (CO)₂
- Overpressure Protection Studies – Line pack , Water Hammer
- Pre-Commissioning Commissioning studies (Pipeline Comm, Well Offloading)
- Our team is also experienced in providing Operations Readiness and Assurance support, which includes activities such as: Operations Engineering Support (Operations and Maintenance Philosophies and Strategies). Operability Reviews. Operations Readiness (Operating Procedures, O&M manuals, Training, Ready for Start Up (RFSU) planning) Lifecycle Production Operations Support (Including Initial Well Unloading, Benchmarking, Optimisation, Debottlenecking, Audits).



SERVICES

ONSHORE/OFFSHORE PLATFORM REVAMP AND FPSO REHABILITATION

Navante has performed equipment platform extension and deck revamp activities on different facilities for our clients. We have field experience and capacity in executing facilities platform revamp in areas of;

- Onshore Equipment Platform Revamp & Extension
- FPSO Hull Shell Plate Design, Construction & Installation
- FPSO Deck Repair
- FPSO Topside Process Piping Rehabilitation
- FPSO Hull Rehabilitation



SERVICES

FABRIC MAINTENANCE

Neglected Fabric Maintenance often leads to more serious corrosion problems. Our integrated approach to fabric maintenance is what differentiates us in the market. Our approach delivers huge cost and time savings to our customers through the utilization of our versatile rope access technique.

Our fabric maintenance services incorporate activities that maximize your asset uptime and prolong the useful life of the asset through interventions.



SERVICES

FABRIC MAINTENANCE (CONTINUED)



EPCIC SERVICES

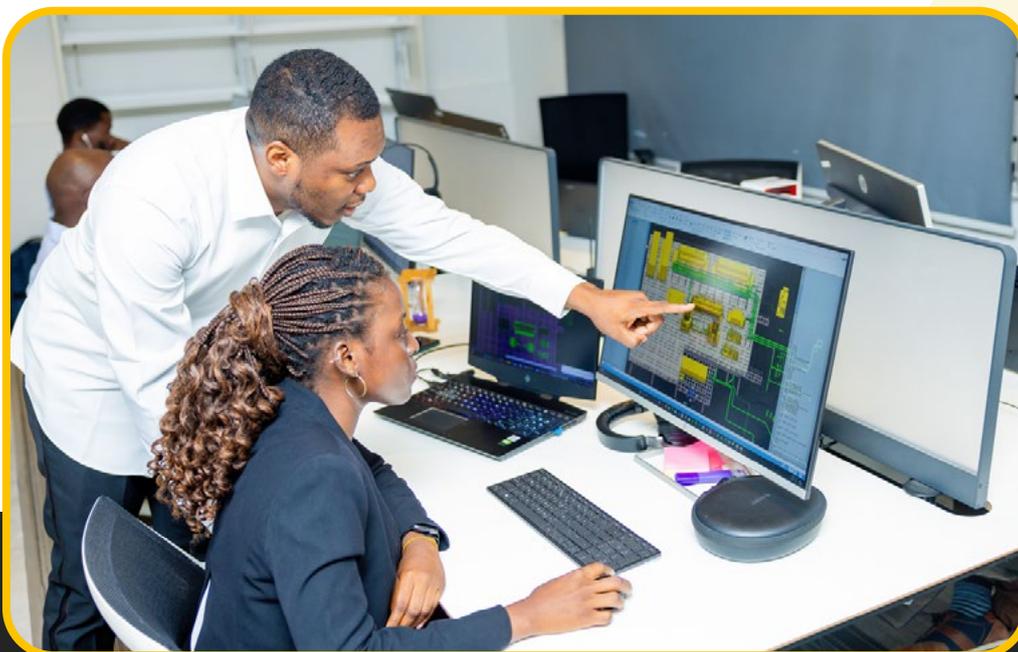
ENGINEERING DESIGN

Navante over the years has performed various levels of engineering designs to provide robust and adequate engineering basis for our clients technical requirements. These completed designs were verified through different technical design review sessions, achieving required client and regulatory approval for fabrication and construction.

Our engineering design and technical analysis output are developed into standard design reports, technical notes, philosophies and guidelines, equipment datasheets and Material Take-Off (MTO).

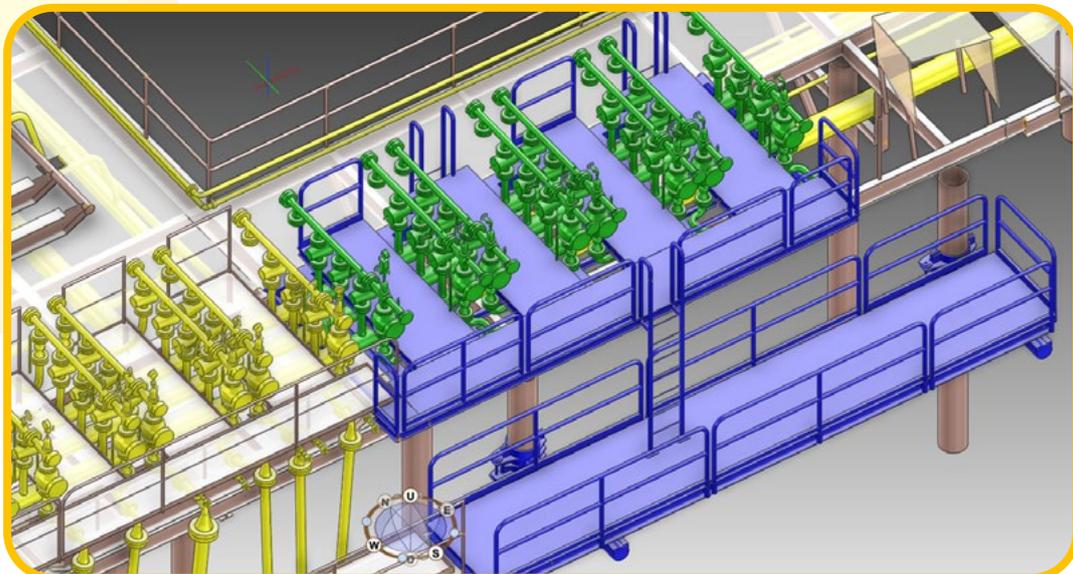
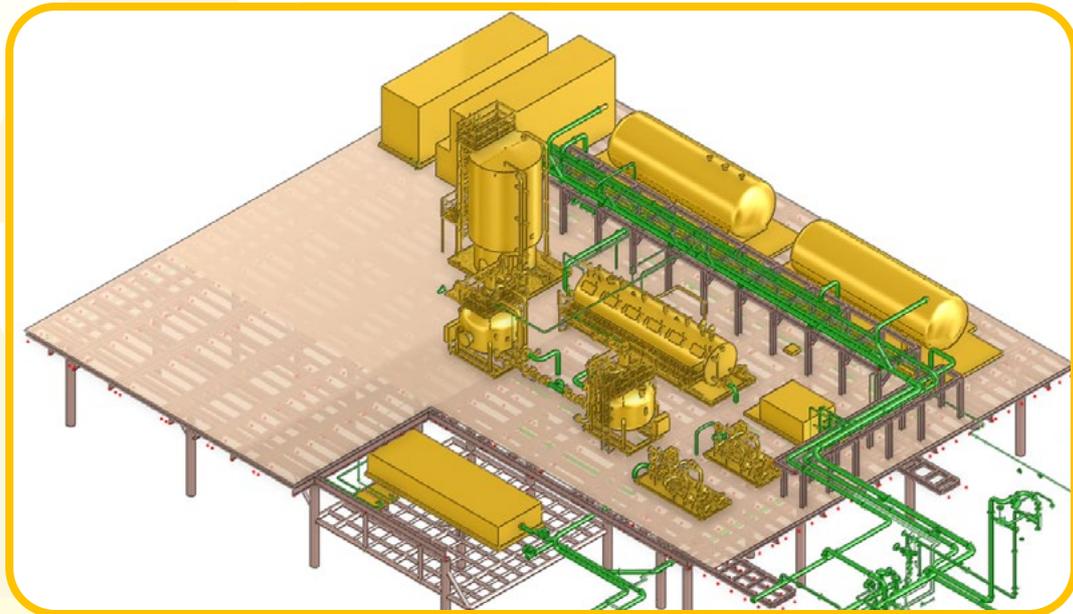
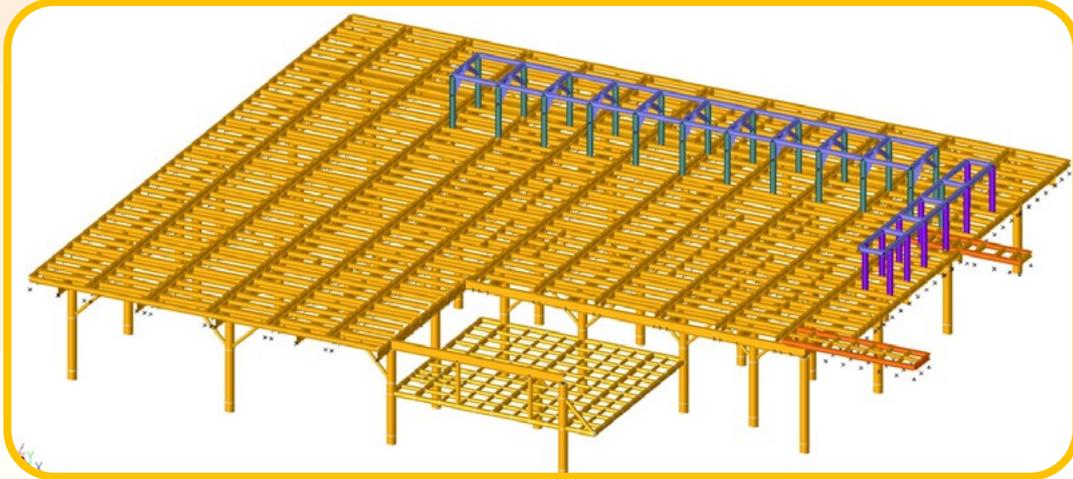
Our Engineering discipline design capabilities include;

- Process Engineering,
- Flow Assurance ,
- Production Fluid Chemistry,
- Mechanical Engineering,
- Electrical Engineering,
- Instrumentation & Control,
- Civil & Structural,
- Geotechnical,
- Pipeline, Piping & Stress Analysis,
- Advance Engineering Design (Finite Element Analysis & Computational Fluid Dynamics (CFD)),
- Computer Aided Design (CAD)
- Engineering Survey
- Technical Safety



EPCIC SERVICES

ENGINEERING DESIGN (CONTINUED)



EPCIC SERVICES

PROCUREMENT AND LOGISTICS SERVICES

Navante has vast experience and capacity to deliver to our clients their needs on equipment, materials and critical spares supplies.

Our procurement arm has the professional capability to source locally and internationally for Original Equipment manufacturer (OEM) specified materials, for both onshore and offshore applications to meet our clients requirements.

At Navante our unique relationship with several OEM provides us with a strategic combination of know-how and access in meeting the unique needs of our clients.



EPCIC SERVICES

PROCUREMENT AND LOGISTICS SERVICES (CONTINUED)

Navante over the years have been able to maintain a high level professionalism in the sourcing and evaluation of product suppliers and material vendors.

Our procurement activities is handled by seasoned procurement professionals with vast oil and gas related industry experience, dedicated to the delivery of required OEM products and materials, while meeting technical specification requirements and quality standards.

Our procurement & logistics team have continuously supported previous and ongoing projects procurement needs with timely materials sourcing and selection, buying and round the clock tracking and tracing to achieve expedited delivery of materials for our client's project use.



EPCIC SERVICES

FABRICATION AND CONSTRUCTION

We offer fabrication services through our fully integrated fabrication shop located in Port Harcourt, Nigeria. Our team of qualified personnel have delivered on standard unit fabrication works already installed and in service at different oil & gas facilities across the country.

We also carry out survey and positioning support for Storage and/or Export Facilities e.g. Oil Terminals, Depot, Gas Plants and other Process Facilities, Jetties, FPSO Vessels and Offshore Scaffolding.

Our Civil works construction services includes;

- **Services stations**
- **Facilities Building contracting**
- **Access Road**
- **Field Logistics Base Construction.**



EPCIC SERVICES

FABRICATION AND CONSTRUCTION (CONTINUED)



EPCIC SERVICES

INSTALLATION AND COMMISSIONING SERVICES

Navante provides field equipment (Process, Mechanical & Electrical) installation service. Over the years, our team have successfully installed equipment of all sizes and all capabilities which are still in service.

Our Engineers are highly trained in Mechanical Installations & Maintenance, our quality of service and safety procedures are important to the continued success of our installation works. As part of this service, we also carry out preventive and remedial maintenance activities.

We understand the need for fast and accurate installation and maintenance operations, so we work closely with our clients to manage and schedule the most optimum and cost-effective installation methods.

Post installation of field equipment, our team are readily available to support our client through pre-commissioning, equipment site acceptance test and statutory performance tests. We are able to provide required technical support and guidance during the commissioning phase to handover.

Our team of engineers also provide post installation & commissioning training to our client operations personnel as required.



EPCIC SERVICES

INSTALLATION AND COMMISSIONING SERVICES (CONTINUED)



EPCIC SERVICES

OFFSHORE/ONSHORE PIPELINE LAYING

Navante has the capabilities to install large distance pipeline, lateral and system expansions in highly challenging terrains, marshland to rocky outpost in Nigeria and around Africa.

We also provide EPC services for all phase of pipeline, helping clients make assessment and provide compliance advisory of projects.

We possess highly experienced local & international personnel and front line technology: we are well equipped to meet all demands of pipeline, process and energy industry efficiently.

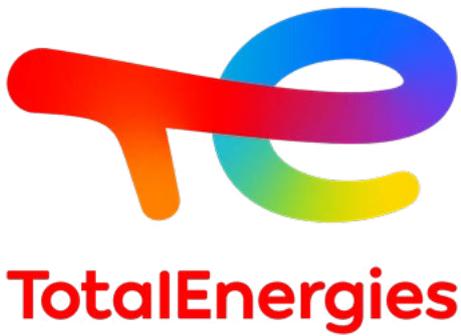
Our inspection services draws on extensive engaging of experienced professionals and technology coupled with in-field success. We have consistently identified anomalies, pipelines cracks, deflection corrosion control, mapping and calibration, pipelines blockage and leaks where they exist.

Our core scope includes but not limited to;

- Design & Engineering
- Fabrication & Installation
- Production facilities inspection/Maintenance
- Corrosion prevention control services (Cathodic Protection, Coating)



CLIENTS



TECHNICAL PARTNERS





Head Office | Fab. Yard

KM 5 East/West Road,
Akpajo Eleme,
Rivers State.

Lagos Office

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