



**Sustainable
Solutions, Strong
Foundations**

Innovative
Solutions Across
**Marine, Civil, Mechanical
and Environmental Services.**

bonsecng.com



BONSEC Engineering & Marine Services Limited was founded on December 24, 2003, with the goal of supporting Nigeria's industrial growth by providing engineering, procurement, and supply services. We are a fully integrated company with strong experience in construction, logistics, and engineering projects, backed by a skilled team that ensures effective project management.

We are working toward ISO 9001:2000 certification, which will help us compete with leading international engineering firms. Known for delivering quality services to the oil, gas, and energy sectors in Nigeria, we are committed to investing in products, services, and personnel to maintain our strong reputation.

As we continue to expand and diversify, we focus on offering engineering expertise, maintenance services, procurement of machinery and spare parts, as well as installation and commissioning. We also provide oil tools and general supplies.

BONSEC Engineering & Marine Services Limited was established to be a trusted name in industrial engineering and marine services. With the resources, integrity, and commitment to client satisfaction, we aim to prove that indigenous companies can successfully meet Nigeria's engineering, marine, oil, and gas needs. Our mission is simple: deliver high-quality services on time, meeting all specifications while adhering to strict quality control standards and ISO guidelines.

About Us

Our Vision

To contribute to the rapid industrialization of Nigeria by offering engineering services, procurement, and supply solutions, leveraging her engineering management expertise and resources.

Our Mission

To deliver sustainable marine services that enhance safety, efficiency, and environmental impact through innovation and technology.

What We Offer

- + Dredging Services
- + Marine Services
- + Project Management
- + Facilities Management
- + Environmental Services
- + Mechanical Engineering Services
- + Electrical & Instrument Maintenance
- + Civil Engineering & Structural Maintenance
- + Electrical & instrumentation Structural Engineering

Dredging Services

We specialize in providing high-quality, reliable, and environmentally responsible dredging services for a variety of industries. Whether it's for ports, harbors, waterways, or land reclamation projects, we have the expertise and cutting-edge technology to meet your dredging needs with precision and efficiency.

Port and Harbor Dredging

We offer professional dredging services for ports and harbors, ensuring safe navigation for vessels of all sizes. Our team is equipped with state-of-the-art dredging technology to maintain optimal water depths and prevent sediment build-up, keeping your ports operational and efficient.

Waterway and River Dredging

Our river and waterway dredging services help maintain clear, navigable routes for transportation. Whether it's to improve flood control or enhance water quality, we use modern techniques to efficiently remove excess sediment and debris, ensuring smooth water flow and safety for vessels.

Land Reclamation

Our land reclamation services help transform submerged or underutilized

land into valuable real estate for construction, commercial, or residential use. We provide cost-effective solutions for reclaiming land, ensuring sustainable development and environmental protection.

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Land Reclamation

Our land reclamation services help transform submerged or underutilized land into valuable real estate for construction, commercial, or residential use. We provide cost-effective solutions for reclaiming land, ensuring sustainable development and environmental protection.

Mining and Aggregate Dredging

We support mining companies with dredging services to extract sand, gravel, and other materials from underwater resources. Our advanced equipment is designed to handle large-scale operations efficiently, ensuring minimal environmental impact and maximizing productivity.



Maritime Services

We specialize in underwater inspections, diving services, and Remote Operated Vehicle (ROV) solutions for various industries. Whether inspecting submerged infrastructure, conducting NDT, or performing specialized inspections in harsh environments, our expert team uses the latest technology to deliver safe and efficient results.



1

Underwater Inspection Services

We offer comprehensive underwater inspections to assess the integrity of submerged assets. Using skilled divers and ROV technology, we inspect pipelines, offshore platforms, dams, bridges, and ship hulls. Our services include detailed visual assessments and advanced techniques for real-time condition monitoring, all while maintaining top safety standards.

2

Diving Services

Our certified divers handle underwater tasks like inspections, maintenance, emergency repairs, welding, cutting, and search and recovery. Equipped with advanced gear and safety training, we ensure safe and efficient operations in all environments.

3

ROV Services (Remote Operated Vehicles)

We also offer advanced Remote Operated Vehicle (ROV) services for deep or hazardous environments. Our ROVs conduct high-resolution inspections, real-time monitoring, and data collection in hard-to-reach areas, providing a safer and cost-effective alternative to human divers for offshore inspections and projects.

4

Non-Destructive Testing

Our Non-Destructive Testing (NDT) services assess the integrity of submerged structures without causing damage. Using techniques like ultrasonic and radiographic testing, we detect faults and potential weaknesses, ensuring the safety and longevity of underwater infrastructure.

5

Weld Testing and Monitoring

We offer Weld Testing and Monitoring (WTM) services to assess the strength and quality of welded joints on submerged structures. Using advanced tools, we test welds in real time to ensure they meet industry standards, critical for offshore construction, pipeline repairs, and underwater projects.

Project Management

We provide innovative project management solutions tailored for the maritime industry. Whether it's managing a large-scale maritime, civil construction, mechanical engineering initiative or a smaller project, we offer the expertise and tools to keep your operations on track, on time, and within budget.

1. Project Planning and Strategy throughout the project.

We assist in defining the scope, goals, and deliverables of your maritime, civil construction, mechanical engineering projects. Our strategic planning includes creating detailed plans, schedules, and risk assessments to ensure alignment with your operational objectives.

2. Budgeting and Resource Management

Our team ensures accurate budgeting and efficient resource allocation, providing the right equipment and personnel when needed, while managing costs to deliver value within your budget.

3. Risk Management and Mitigation

We proactively identify potential risks in your maritime, civil construction, mechanical engineering, civil construction, mechanical engineering operations and develop strategies to mitigate their impact, ensuring smooth execution and safety

4. Project Execution and Monitoring

From start to finish, we monitor progress against key milestones, adjusting resources and timelines as necessary to ensure timely completion. Real-time tracking systems allow us to address issues promptly and optimize performance.

5. Stakeholder Management and Communication

We ensure clear communication with all stakeholders, keeping everyone informed and aligned to achieve your maritime project's success and maintain strong partnerships.

6. Post-Project Evaluation

Once the project concludes, we provide a comprehensive review, evaluating performance, lessons learned, and areas for improvement, ensuring smoother execution for future maritime, civil construction, mechanical engineering projects.



Facilities Management

We are your trusted partner in maritime facility management, providing tailored solutions for the efficient operation of ports, docks, terminals, and more. Our expert team ensures safety, compliance, and sustainability, maximizing the value of your assets.

Port and Terminal Management

We provide expert management services for ports and terminals, ensuring seamless operations and safety across all areas. Our team handles day-to-day activities, including berth management, cargo handling, equipment maintenance, and logistics coordination, ensuring that your facility operates efficiently and in compliance with global maritime standards.

Facility Maintenance and Repairs

Keeping your maritime facilities in optimal condition is key to ensuring smooth operations. We offer comprehensive maintenance services, from routine inspections to emergency repairs. Our team ensures that all critical infrastructure—such as cranes, docks, and storage areas—remains operational and safe, reducing downtime and operational costs.

Safety and Compliance Management

Safety is our top priority. We offer safety management services to help your facility comply with international maritime, civil construction, mechanical engineering regulations and industry best practices. This includes

safety audits, risk assessments, emergency response planning, and safety training for personnel to ensure a secure environment for both workers and visitors.

Environmental Management and Sustainability

We are committed to reducing the environmental footprint of maritime, civil construction, mechanical engineering facilities. We provide environmental management services that include waste disposal, water treatment, pollution control, and energy efficiency programs. Our sustainability solutions are designed to help you meet environmental regulations and adopt eco-friendly practices to preserve natural resources.

Asset and Equipment Management

We handle the management, repair, and upkeep of all your maritime, civil construction, mechanical engineering assets and equipment. From cranes and tugs to storage facilities and loading docks, we ensure that your assets are well-maintained and performing at their best. Our proactive approach reduces the likelihood of unexpected breakdowns, optimizing the life cycle of your equipment.

Environmental Service

We specialize in delivering advanced environmental services, including Environmental Impact Assessments (EIA), Radiation Surveys, Environmental Audits (EA), and Remediation Services. Serving industries, government agencies, and private clients, we focus on sustainability, regulatory compliance, and protecting both the environment and human health.



Environmental Impact Assessment (EIA) Reports

Our team of environmental experts offers detailed Environmental Impact Assessments (EIA) to assess the potential effects of your projects on the environment. Whether it's a large infrastructure project or a small commercial venture, our comprehensive EIAs ensure compliance with local, national, and international standards. We analyze key areas such as air and water quality, habitat and biodiversity, noise and vibration, waste management, and socio-economic impacts.

Radiation Surveys

With a growing emphasis on safety and environmental responsibility, radiation surveys are crucial for identifying potential radiation exposure risks. Our specialized radiation survey services include comprehensive monitoring for residential, industrial, and commercial sites, detailed assessments of radioactive materials and their impact on human health, expertise in ionizing and non-ionizing radiation, and full compliance with national and international safety standards.

Environmental Audits (EA)

Environmental audits are essential for identifying areas of improvement and ensuring compliance with evolving regulations. We provide pre-audit assessments to assess environmental risks, comprehensive audits of your operations and facilities, and identify opportunities for energy efficiency, waste reduction, and environmental liability management.



Vessel Chartering and Management

When environmental contamination occurs, our remediation services work to clean and restore affected sites to safe, usable conditions. We offer solutions such as soil and groundwater remediation, contaminant removal, site restoration, and habitat rehabilitation. Our team employs advanced techniques to ensure compliance with environmental safety standards and restore your property for future use or its natural state.



Mechanical Engineering Services

We are your trusted partner for cutting-edge Package and Mobile Substation Services, offering tailored electrical solutions for seamless power distribution.

Marine Engine Maintenance & Repair

Our team is equipped to handle all aspects of marine engine maintenance, repair, and overhaul. We work with both diesel and gas-powered engines, ensuring they operate efficiently and reliably, minimizing downtime and maximizing vessel performance.

HVAC System Installation and Maintenance

We provide comprehensive heating, ventilation, and air conditioning (HVAC) services to ensure a comfortable and safe environment onboard your vessel. Our engineers design, install, and maintain HVAC systems to meet the specific needs of

your marine operations, complying with industry standards.

Marine Pumping Systems

We specialize in the installation, repair, and maintenance of various marine pumping systems, including ballast, bilge, fuel, and water pumps. Our expertise guarantees the reliable operation of critical systems for the smooth and efficient running of your vessel.

Mechanical System Installation & Retrofit

Whether you're building a new vessel or retrofitting an older one, our engineering team offers precise mechanical system installations,

including propulsion systems, generators, and auxiliary machinery. We ensure seamless integration of new technologies to enhance vessel performance and energy efficiency.

Corrosion Protection

Marine vessels are exposed to harsh environmental conditions, which can lead to corrosion of critical mechanical components. Our corrosion protection services include the application of protective coatings, sacrificial anode systems, and cathodic protection to extend the life of your vessel's mechanical systems.



Electrical & Instrument Maintenance

We provide Electrical & Instrument Maintenance services for maritime, civil construction, mechanical engineering and industrial sectors, ensuring system reliability, efficiency, and safety with tailored solutions for routine maintenance and emergency repairs, all while meeting safety standards.



Electrical System Maintenance and Repair

We specialize in the upkeep and repair of all electrical systems onboard vessels and industrial platforms. This includes the inspection, maintenance, and repair of power generation systems, switchboards, distribution boards, and electrical panels. Our team ensures that your electrical systems function at optimal efficiency, preventing unexpected failures and minimizing downtime.

Instrument Calibration and Maintenance

Precision and accuracy are crucial when it comes to

instrumentation. Our engineers offer comprehensive instrument calibration and maintenance services for industrial instruments, including pressure, temperature, flow, and level measurement devices. We ensure your instruments are correctly calibrated and in top working condition, ensuring reliable performance.

Power Generation Systems

Power is essential to the smooth operation of vessels and industrial sites. Our team provides maintenance and repairs for diesel generators, backup power systems, and other power generation equipment. Whether you require

routine checks or emergency repairs, we ensure your power systems are always ready for operation.

Automation and Control Systems

In today's modern vessels and industrial facilities, automated systems control critical operations. Our team specializes in the installation, maintenance, and troubleshooting of control systems, SCADA systems, and PLCs (Programmable Logic Controllers). We ensure your automation systems are functioning correctly, offering maximum control, accuracy, and safety.



Civil Engineering

We are leaders in civil engineering, offering a range of services for public and private clients, including road construction, drainage, building projects, landscaping, and more. With years of experience and a skilled team, we deliver high-quality, sustainable solutions on time and within budget.

Road Construction & Maintenance

Our road construction services cover everything from design and planning to full construction and long-term maintenance. Whether it's a small residential road or a major highway project, we utilize advanced technology and materials to ensure safe, durable, and long-lasting roads. Our offerings include road design and engineering, construction and paving, asphalt and concrete roads, as well as ongoing maintenance and repairs.

Building & Structural Engineering

We specialize in designing and constructing residential, commercial, and industrial buildings. Our structural engineers ensure each project is stable, safe, and meets both client needs and the highest industry standards. Our services include residential and commercial building design, structural engineering and analysis, foundation and superstructure works, as well as renovations and refurbishments.

Drainage Systems

Effective drainage is crucial for protecting properties from water damage. Our expert engineers design and install systems that prevent flooding and manage

stormwater, wastewater, and runoff. Our services include stormwater drainage, wastewater and sewerage systems, flood prevention, and drainage maintenance and repair.

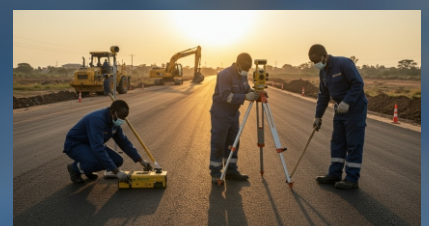
Landscaping & Outdoor Works

We focus on creating functional and beautiful outdoor spaces. Our landscaping services cover garden design, outdoor infrastructure, site preparation, and hardscaping. We enhance your property's natural beauty while ensuring environmental sustainability. Our offerings include landscape design and installation, hardscaping (patios, walkways, retaining walls), turfing and planting, and site preparation and land clearance.

Cover Services (Protection & Enclosure Solutions)

Our cover services provide essential protection for buildings, roads, and infrastructure, including shelters, canopies, and enclosures. We offer customized solutions to safeguard your property from weather elements, improve functionality, and enhance aesthetics. Our services include custom covers and shelters, canopies for outdoor spaces, protective barriers and enclosures, and weather-resistant solutions.

OUR SERVICES





Electrical & Instrumentation Structural Engineering

We provide specialized Electrical & Instrumentation Structural Engineering services, blending electrical and civil engineering expertise for integrated project solutions. Our experienced team ensures the design, maintenance, and optimization of electrical systems within structural frameworks, prioritizing safety, efficiency, and long-term performance across marine, industrial, and commercial sectors.

Electrical and Instrumentation System Design

Our team offers comprehensive design services for electrical and instrumentation systems, ensuring that your installations are structurally sound and well-integrated. This includes power distribution systems, control panels, lighting, communication systems, and process instrumentation. We ensure all systems are designed to be efficient, reliable, and safe, integrating seamlessly with the structural aspects of the building or facility.

Structural Support for Electrical Installations

Effective electrical and instrumentation systems rely on strong and reliable structural support. We provide engineering solutions for the structural elements that support electrical and instrumentation systems, including mounting frames, cable trays, supports for control panels, and conduit installations. Our designs ensure that electrical systems are safely integrated into the infrastructure without compromising structural integrity.

Cable Tray and Conduit Systems

We design and maintain cable tray and conduit systems that support the safe and efficient routing of electrical cables and instrumentation wiring. Our solutions are tailored to your facility's needs, taking into account load-bearing requirements, accessibility, and safety standards, ensuring that your system is both functional and compliant with regulatory guidelines.

Instrument and Control System Integration

We offer integrated solutions for the design, installation, and maintenance of instrumentation and control systems. This includes process control instrumentation, sensors, automation equipment, and control systems, all aligned with the structural framework of your facility. Our team ensures that these systems are structurally supported, properly wired, and optimized for maximum efficiency.

Work History

Here are just few highlights of the many successful projects we have executed.

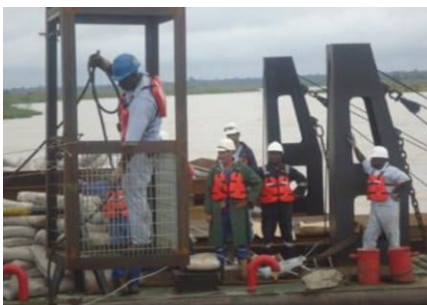
Service Provided	Client	Status	Year
Construction of 10 km Road with Drainage in Ahoada Rivers State	RIVERS STATE GOVT.	Completed	2002
Construction of 10 4-Bedroom Duplexes	MACE CONSULTANT LTD	Completed	2005
Supply of 220m X 80mm, 4-strand Polypropylene Pick-up Ropes	NPDC	Completed	2011
Fabrication & Procurement of Hose & Mechanical Parts	ZINESTOIL	Completed	2014
Procurement of Mechanical Parts	CENTURY ENERGY	Completed	2015
Drilling of Borehole	KWALI	Completed	2015
Inspection & Final Assessment of Brass (SBM-2)	OANDO	Ongoing	2025

245+
Projects

21+
Clients

23
Indigenous Technicians

Picture Gallery



Some of our Partners



Some of our Clients





No. 28, Abluloma Rd,
Amadi Port Harcourt.



+234 803 309 5630 +234 803 257 5377



info@bonsecng.com



www.bonsecng.com

