CORPORATE PROFILE
accurate | reliable | FAST
An Industrial Servicing Company
WELCOME

Osten Laboratory is an industrial servicing company that supports the operation of Oil & Gas companies, Power, Healthcare, Manufacturing, Commodities and Governments.

Our core activities include Environmental Services, Laboratory Services, Production Chemistry, Instrument sales and maintenance.

Our commitment to meeting our clients’ needs and expectations is expressed in our proposition: Accurate, Reliable, Fast. To us it is a shared ideal that inspires and drives us. To you it is our promise that the unparalleled quality of our skills and services will deliver real and relevant value to your processes in the shortest possible time.

Our client benefit from our large pool of technical experts, access to emerging regulatory trends and our network of accredited facilities.

Our Vision

to be the most innovative Nigerian testing company of choice.

Our Mission

to at all times, employ the most innovative solutions to deliver world class services while maintaining absolute commitment to the highest safety, quality and value for stakeholders interest.
COMMITMENT TO QUALITY
At Osten Laboratory, all activities by individuals or teams are planned and executed in such a way that client’s requirements and business objectives are met safely, efficiently and cost effectively through maintenance of an effective quality management system.

In pursuance of the above, Osten Laboratory ensures our procedures meets the requirements defined in ISO 9001 and ISO 17025.

Why Choose Us?
- New technologies and instruments
- Faster turnaround time
- Flexible approach to solving problems
- Innovative Solution to New challenges
- Experienced management team
- International standard lab protocols
WHAT WE DO

We Analyse
Water and Waste Water | Soil | Oil |
Natural Gas | Petroleum Products |
Chemicals | Sludge

We Carry Out
Environmental Studies | Production Chemistry
Oil Fingerprinting | Corrosion management
Flow assurance | Bio-Toxicity

Other Services:
• Chemical Sourcing
• Lab Outsourcing
• Corrosion Programs
• Remediation Services
LABORATORY SERVICES

Osten Laboratory provides a wide range of analytical testing services to support industrial operations and assist our clients comply with regulatory requirements. Our Labs are accredited by all government agencies and relevant international bodies.

Our integrated laboratory services cover outsourcing support, site remediation, studies, routine monitoring and production chemistry and other projects.

We apply recent technologies offered on Portable Meters, AAS, GC/MS, Gas analysers and HPLC for analysis.

Environmental Laboratory Services
Portable water quality | Wastewater analysis | Surface water | Sludge analysis | Groundwater analysis | Online water monitoring systems | Aquatic bioassay | Soil and sediment analysis | Oil Spill Characterization | Fingerprinting | Microbial analysis

Petroleum Product Testing
Crude oil characterization | Fuel oil and Fuel Gas analysis | Refined Petroleum Products Testing | Lubricant Analysis | Natural gas, LPG, CNG and LNG Analysis | Petroleum Cargo Inspection | Fuel Quality Testing

OUR TEAM OF PETROLEUM CHEMISTS, ECOTOXICOLOGISTS, AND ECOLOGISTS HAS EXTENSIVE EXPERIENCE WITH DETERMINING EXPOSURES TO SENSITIVE ENVIRONMENTS AND VALUED WILDLIFE RESOURCES ASSOCIATED WITH OIL SPILLS WHETHER THEY ARE OCEAN, SHORELINE, RIVER, OR FOREST.
Production Chemistry testing
Production chemistry analysis ensures control over the performance of your production assets and oil and gas reservoirs. Our testing program allows you to understand and minimize the impact of scale, corrosion and contaminants on your productivity. We can generate data that aids optimization and regulatory compliance.
Our production chemistry testing includes:
- Gas Hydrates Evaluation & Testing
- Chemicals residue analysis
- Bottle Test & Chemical Efficacy
- Corrosion Monitoring
- Trace sulfur analysis
- Produced Water analysis
- Cooling water evaluation
- Glycol Regeneration Systems
- Water reinjection

PVT Analysis
PVT studies can be carried out on a complete range of reservoir fluid types including gas condensates, black oils, and critical fluids. Representative samples are examined at actual reservoir pressures and temperatures to determine phase behaviour and compositional changes through the life of the reservoir as pressure declines.

Osten Laboratory offers a comprehensive range of standard and customized PVT testing services to suit your needs.

Flow Assurance
Osten provide accurate analysis and interpretation in a range of multi-disciplinary flow assurance testing.
Our flow assurance testing program includes:
- Wax Analysis
- Asphaltene solubility boundaries
- Chemical Efficacy (Bottle Test)
- Scale solubility boundaries & analysis of scale deposits
- Screening tests for potential organic solids
- Advanced water chemistry tests
LAB OUTSOURCING

Lab outsourcing usually involves an independent testing company assuming responsibility of analytical testing associated with your in-house laboratory.

Osten Laboratory is experienced in providing laboratory outsourcing services and solutions, from submitted samples testing projects, analytical projects to full lab outsourcing and acquisition.

LabCARE

Osten offers a broad portfolio of services designed to optimize the productivity and efficiency of your lab. Osten can assist you with the extended service coverage that leads to more efficiency and greater productivity. Whether you need services for a specific instruments, or seek a laboratory-wide solution, you’ll discover that we can provide just what you need, so that you can continue to focus on what you do best.

• Supply Of Laboratory Consumables
• Instrument Supply
• Preventive Equipment & Calibration
• Lab Resource Management Consulting
• Lab Design & Construction
• Software and Data System Services
ENVIRONMENTAL SERVICES

Osten provides fully integrated environmental consultancy service and compliance solutions, using team of experts to meet your needs. Client will benefit from our expert advise and network of laboratory facilities to save time, reduce costs, optimize resource use and drive operational efficiencies.

Environmental Studies

Whether is on routine compliance monitoring or project specific studies, Osten services are tailored to achieve your internal and regulatory requirements for;

- Environmental Impact Assessment
- Baseline studies
- Environmental Audit
- Environmental Evaluation Studies
- Feasibility Studies
- Post Impact Assessment
- Regulatory Approval and Permitting
- Environmental Management Review
- Environmental Management Plan
- Environmental Compliance Monitoring
- Air quality and Stack emission monitoring
- Environmental Simulation Modelling (Gas dispersion)
- Noise Mapping
- Environmental Sensitivity Mapping
- Point Source characterization & registration
- Decommission and site closure

OUR EXPERIENCED TEAM ENSURES THE BEST APPROVALS STRATEGY IS DEVELOPED AND EXECUTED TO ENSURE TIMELY DELIVERY OF YOUR APPROVALS FOR YOUR DEVELOPMENT PROJECT
Environmental Engineering

- Oil Spill Contingency Plan (OSCP) development and countermeasures
- Spill containment and Clean-up
- Waste Management Programs
- Environmental remediation
- Hydrogeology and geotechnical studies
- Design and Installation Oil water Separator
- Water treatment system

Osten Experts are on call for immediate response to oil spill incidents to aid with the management, conceptualization, design, and oversight of the environmental sampling and analysis activities.
SAFETY CONSULTANCY

Osten is a leading Health, Safety and Environment Consultancy company in Nigeria. Our capabilities are focused on integrated management system (ISO 45000, ISO 9001 and ISO 14000) based on best practices tailored to provide occupational health and safety solution. Our services includes;

- HSE Management system
- Safety Case Development
- Traffic Management Plan
- HSE Advisory Services
- HAZID and HAZOP
- Emergency Response Plan
- Process Safety and risk engineering
- Fire Safety Audit
- HSE Plan
- Permit To Work
- Hazard Area Classification
- Supply of Safety Equipment and installations

IF YOUR ORGANIZATION IS LOOKING TO IMPROVE COMPLIANCE PROCESSES OR REVIEWING SAFETY PERFORMANCE AND SUSTAINABILITY PROGRAMS, OSTEN DELIVERS FULLY INTEGRATED CONSULTING AND DATA MANAGEMENT SOLUTIONS TO MEET YOUR NEEDS
Chemical Sourcing
Osten provides a comprehensive range of chemicals for use in the production, transportation and processing of oil and gas. We often work in partnership with world-class production chemicals technology companies and local partners, to provide best-in-class products and services with the maximum amount of local content possible.

Product Range
Our product portfolio includes:
- Corrosion inhibitors
- Scale inhibitors
- Water Clarifier
- Demulsifiers
- Water treating chemicals
- Hydrogen sulphide scavengers
- Oxygen Scavengers
- Hydrate inhibitors
- Drag reducers (flow improvers)
- Commodities
# Production Chemicals

## Gas Treatment

<table>
<thead>
<tr>
<th>Technologies:</th>
<th>Solvents:</th>
<th>Adsorbents:</th>
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</thead>
<tbody>
<tr>
<td>Purple</td>
<td>MEA (Monoethanolamine)</td>
<td>Molecular sieves</td>
</tr>
<tr>
<td>White</td>
<td>DEA (Diethanolamine)</td>
<td>Claus catalysts</td>
</tr>
<tr>
<td>Yellow</td>
<td>MDEA (N-Methyldiethanolamine)</td>
<td></td>
</tr>
<tr>
<td>Blue</td>
<td>DIPA (Diisopropanolamine)</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td>NFM (N-formylmorpholine)</td>
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</tbody>
</table>

## Oil production

- Demulsifiers
- Paraffin Inhibitors
- Corrosion Inhibitors
- Kinetic Hydrate Inhibitors
- Defoamers
- Scale Inhibitors
- Scale Dissolvers
- Sulfide Scavengers
- Biocides
- Deoiler

Our testing facilities currently provide support to some chemical companies in the region. By combining this partnership with existing resources and infrastructure, we were able to cover all the skills and resources required of an independent Production Chemical sourcing and monitoring.

You can benefit from our robust PC Laboratory to identify sources of production challenges and most cost effective chemical solution.
CORROSION MONITORING

Internal Corrosion Monitoring

Corrosion Monitoring is one of the basic needs of safe and efficient industrial operation especially hydrocarbon industry, chemical processing industry, power plants and refineries. Corrosion can lead to structural failure or loss of containment, costly repairs, lost or contaminated products, environmental damage, risk to personnel, and loss of public confidence.

Osten employs educational resources to provide access to sophisticated analytical equipment to provide innovative solutions related to corrosion and specialty chemical monitoring.

We are dedicated to providing internal corrosion monitoring solutions to onshore and offshore oil and gas producers and process industries. Primary services include solutions relating to Hydraulic access fitting field service Electronic monitoring (ER Measurement), Monitoring equipment supply and specification, Weight-loss corrosion coupon analysis Sessile / planktonic bacterial sampling and reporting.

Additional services include field sampling (Water, Fe/Mn, Cl residuals) and onshore pipeline external coating inspections.

We can provide audit services related to internal corrosion monitoring and production specialty chemical usage. Proper monitoring should ensure that all mitigation strategies have the potential to be evaluated.
We put you first and ahead

Our robust technology, knowledge-based approach and dedication to quality and safety allow us to provide innovative solutions to every part of the oil and gas industry.

Our growing network of testing facilities and laboratories offers an independent service focused on responding to YOUR needs and delivering competitive advantage just tailored for YOU.
Port Harcourt
47 Oromenieke Street, D-Line,
Port Harcourt, Rivers State.
+2347015862798, +2348051948519

Lagos
66 Prince Ademola Eletu Street,
Osapa London Estate, Jakande, Lekki, Lagos.
+2348063288340, +2348051948519
Email: training@ostenlaboratory.com
Website: www.ostenlaboratory.com