



...Offering **Top-Quality** Service,
Providing **Complete Value!**

Company

Profile

SW | **SKYDEW**
Energy Services Ltd RC 1530033



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Providing **Complete Value!***

www.skydewenergy.com

SKYDEW

OUR TECHNICAL PARTNER



FOERSTER



About Us

Skydew Energy Services (SES) Ltd is a limited liability company incorporated under the Nigerian Companies and Allied Matters Act with services across various sectors of industry including Oil and Gas, Petrochemical, Aerospace, Process, Marine, cement and power.

Skydew Energy Services (SES) Ltd delivers top-quality service at full value across several industries.

At Skydew Energy Services (SES) Ltd, we believe you deserve excellent service and complete value such as is obtainable globally. We are ready to utilize all resources at our disposal to make that happen.

We have a crop of experienced Engineers, Technicians and QHSE Personnel who are trained, skilled and experienced along side a range of world class equipment to deliver top quality services to our clients.

Our Vision

To create a dependable global name and stable client base through timely and efficient quality service delivery that meets regulatory and international requirements.

Our Mission

To consistently deliver top-quality, innovative and cost effective service to our client through value-adding strategies and ensure adherence to safe work practices.

Our Core Values





Our Services

- VALVE MAINTENANCE AND REPAIRS
- INSTRUMENT CALIBRATION
- TANK INSPECTION AND CALIBRATION
- INSPECTION AND CERTIFICATION
 - Conventional and Advanced NDT
 - Pressure Testing
 - Vacuum Box Leak Testing
 - Hardness Testing
 - Lifting Equipment Inspection and Certification
 - Tubular Goods Inspection (OCTG)
- REFORMER TUBE INSPECTION
- THERMAL AND COLD INSULATION
- PROCUREMENT AND SUPPLIES

VALVE MAINTENANCE AND REPAIRS

Skydew Energy Services Limited is committed to providing our client with a one-stop valve maintenance and repair services, that helps clean the inner mechanism and replacement of worn-out parts.

With a collective hands-on experience, our Valve Engineers carry out Overhaul, Pressure Test and Calibration of Pipeline Valves, Wellhead and Safety Valves to approved industry standards. Our trained team of competent and resourceful engineers can ably repair and maintain valves onsite, reducing the cost of off-site refurbishment

Our Valve maintenance service includes:

- Safety relief valve testing overhaul and calibration.
- Control valve & actuator servicing, overhaul, testing and calibration
- Complete overhaul & testing of gate /globe / check / ball needle / butterfly/ diaphragm / plug / non-return valves / pressure reducing valves and knife-edge gate valves.
- Call out repairs planned periodic maintenance.
- Shut down maintenance, inspections, surveys and spare parts management.



INSTRUMENT CALIBRATION

Skydew Energy Service Ltd offers calibration Service traceable to ISO/IEC 17025 ensuring that standardized instrument are giving correct reading and able to properly detect anomalies, flues, heat, defts, wear patterns. We have calibration experts with years of experience in calibration industry.

Our Calibration Service Includes:

- Calibration of pressure, temperature, and flow control instruments.
- Ensuring that sensors, gauges, and meters provide accurate readings to maintain system performance.
- Using precision calibration tools to fine-tune instruments according to industry standards.
- Maintaining calibration records and certificates for regulatory audits and compliance purposes.





NDT SERVICES

Ultrasonic Testing (UT)

Our UT inspection service cuts across Flaw detection (cracks, inclusions, porosity, delamination etc.), Corrosion/erosion wall thickness gauging, bond integrity assessment, estimation of grain size in metals, estimation of void content in composites and plastics etc.

Skydew Energy Services (SES) Ltd have decades of experience in applying UT inspections across all industrial sectors with the best equipment in the industry.

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Radiography Testing (RT)

Skydew Energy Services (SES) Ltd is expert in Radiography Testing (RT) using the conventional film radiography and Digital Radiography Testing (DRT) technology to inspect the internal structure of assets in the oil and gas, power generation, aerospace, etc.

At Skydew Energy Services (SES) Ltd we use new age technology to carry out radiography testing with our team of qualified, certified and experienced radiographers who operates within strict safety parameters to produce high quality radiographs which is interpreted to determine anomaly in line with international standards.

Digital Radiography Testing (DRT)

We have digital radiography testing equipment suitable for Weld inspection, profile radiography, Identification of corrosion and erosion, Detection and measurement of corrosion scabs, Detection and assessment of blockages in pipes, Corrosion Under Insulation (CUI), Valve operational issues, Blockages in pipes, Pipe and tube quality inspections.





Magnetic Particle Testing (MT)

Skydew Energy Services (SES) Ltd provides Magnetic Particles testing (MT) service to client using either Wet Magnetic Particle Testing (WMPT) or the Dry Magnetic Particle Testing (DMPT) to detect surface or subsurface defects in ferromagnetic material.

At Skydew Energy Services (SES) Ltd we have experts who can perform every step of this quick and cost-effective, process beginning from pre-cleaning and surface preparation, magnetic field introduction, media application and finally interpretation of the resulting indications.

Liquid Penetrant Testing (PT)

Skydew Energy Services (SES) performs Liquid Penetrant Testing in a variety of asset to identify discontinuities.

Our team of technical expert with years of experience performs this test across various industries with wide range of shapes, sizes, and materials.



LONG RANGE ULTRASONIC TESTING (LRUT)



Advanced NDT Services

At Skydew Energy Services Ltd, we have an extensive range of Advanced Non-Destructive Testing solutions that offer unmatched capability of applications ranging from weld inspections to the detection of hidden cracks, voids, porosity and other internal irregularities in metals, composites, plastics and ceramics.

Our engineers and technical staff are well-versed in the field with years of experience to back them.

Our Advanced NDT services includes:

- Phase Array Ultrasonic Testing (PAUT)
- Long Range Ultrasonic Testing (LRUT)
- Eddy Current
- Alternating Field Current Measurement (ACFM)
- Magnetic Flux Leakage Testing (MFL)
- Time Of Flight Diffraction Testing (TOFD)
- Remote Field Inspection (RFT)
- Remote Visual Inspection

PHASE ARRAY ULTRASONIC TESTING (PAUT)



Gas and Pressure Testing

We are expert in flushing and hydraulic pressure testing services both onshore and offshore. Our products range from small test pumps to complete test and flushing systems for liquid or gas usage. We offer customers several test and flushing product options ranging from a bespoke solution to a pre-fabricated test unit for immediate usage.

We provide our clients with safe operating systems for the pressure testing of assemblies and components, and remotely controlled test systems allowing hydraulic flushing and testing to be controlled within a safe environment.



Vacuum Box Leak Testing

As part of our tank inspection service, we conduct vacuum box leak test on tanks to ensure the safety and integrity of above ground storage tanks by preventing accidental leaks and avoiding costly decontamination.

At Skydew Energy Services (SES) Ltd we use advanced technologies that improves detection of defects and accuracy of sizing.



Hardness testing

At [Skydew Energy Services Ltd](#) we conduct hardness test to determine the resistance which a material exhibits to permanent deformation by penetration of another harder material.

This enables you to evaluate a material's properties, such as strength, ductility and wear

resistance which helps our clients determine whether a material or material treatment is suitable for the purpose you require.

The extensive knowledge base of our NDT team at [Skydew Energy Services Ltd](#) aids with producing high-standard technical service to the client.



Lifting Equipment Inspection

We work with a team of trained and experienced engineers to conduct lifting equipment inspection service per standards and applicable legislation.

Our lifting services includes;

- Cargo carrying unite inspection
- Heavy-duty lifting inspection
- Crane inspection
- Offshore container inspection
- Wire rope NDT
- Heavy-duty Testing



Tubular Goods Inspection (OCTG)

Skydew Energy Service Limited Provides an array of Drill Pipe/OCTG inspection Services that conform to API-RP-7G, NS-2 and DS-1 standards up to CAT-5. We have trained technical man power that is capable and qualified to perform such inspection Services.

To assure the quality of drill pipe and equipment, we provide such inspection services like;

- Vendor Inspection
- Visual Thread Inspection
- OD Gauge (Full Length)
- Magnetic Particle Inspection (MPI)
- Electromagnetic Inspection (EMI)



TANK INSPECTION

AND CALIBRATION

At Skydew Energy Services Ltd, we have a fleet of equipment and personnel that can ensure the integrity and cleanliness of your tanks either before use, during operations and maintenance. We have a solid reputation for equipment innovation, work ethic, reliability and customer care.

Besides cleaning and decontamination, we provide various NDT services to ensure that your tank is restored to optimal working condition, getting you back to full operation in a safe, quick and efficient manner.

We combine our expert jetting experience with our camera inspection and rope access solutions to increase the effectiveness of any cleaning operation.

We provide cleaning and calibration services for all types of tank including:

- Vertical Tank
- Horizontal Tank
- Sphere Tank
- Fixed Roof Tank
- Floating Roof Tank
- Domed Roof Tank
- Conical Roof Tank

Tank Calibration is completed to API standards, ISO standards or client-specified standard and includes the following:

- Volumetric Tank Tables
- Wall Verticality Assessment
- Wall Roundness and Shape
- Roof and Floor Profiles



THERMAL INSULATION SERVICE

Skydew Energy Services Limited provides a wide range of industrial thermal insulation services that enhance system processes, reduce emissions and energy losses across all industry in Nigeria.

We deploy high quality thermal insulation materials that are customized to meet industry need together with our experienced and well trained technical crew who are experts in all kinds of thermal insulation applications in both offshore and onshore installation services.

Our custom thermal insulation services include design, material supply, custom fabrication, and turnkey installation.

We maintain expertise in the delivery of thermal insulation services for pipes, pressure vessels and tanks.



Skydew Energy Services Ltd also supplies all categories of insulation materials produced by our Technical Partners.

Thermal insulation Services Includes:

- Acoustic control/Noise Reduction
- Hot Insulation
- Cold Insulation
- Cryogenic Insulation
- Process Control Insulation
- Personnel protection
- Sheet metal fabrication
- HVAC installation
- Metal cladding

Our installations team operates according to industry safety standards and have a proud record of no recordable injuries.



REFORMER TUBE INSPECTION

OUR
TECHNICAL
PARTNER



SKYDEW ENERGY SERVICES LTD in collaboration with our technical partners- FOERSTER BU - to provide its customers with comprehensive services around reformer tube testing. This testing is performed in ammonia, methanol, direct reduction iron (DRI) and hydrogen plants all around the world.

The automated testing is conducted by a highly trained, non-destructive testing (NDT) inspectors, who are qualified in accordance with EN ISO 9712. These inspectors are graduate engineers with numerous technical certifications of Level 2 and Level 3 in various disciplines, including eddy current methodologies. Because our technical Partner -FOERSTER design, build and specify the components used, the testing of the reformer catalyst tubes can be reliably executed even under conditions that require technological expertise.

It is recommended that all our customers utilize the complete inspection package of applicable and appropriate techniques offered by FOERSTER to ensure cost-effective and reliable monitoring of the complete asset. This exhaustive approach ensures that the reformer tubes and their components are regularly tested at appropriate intervals throughout their entire service life. When indicated by the inspection results, prompt corrective action can be taken to maximize production, eliminate downtime and provide a safer workplace.

Services include:

- Baseline scanning of the reformer tubes (when new, prior to commissioning)
- Regular scanning of centrifugally cast reformer catalyst tubes throughout their service life (every 2 to 4 years)
- Remaining life assessment (RLA) of the reformer tubes using non-destructive methods
- Destructive testing of the reformer tubes using selected sample tubes via third-party laboratories
- Inspection of outlet pigtails for strain and magnetic permeability
- Eddy current ID inspection of the top ends
- Support services on an as-needed basis



External Tube Inspection
(LEO-Scan)



Inspection Of Top End



PROCUREMENT AND GENERAL SUPPLY

Skydew Energy Services Ltd understands the need for high quality products and materials.

we offer a comprehensive procurement services such as warehousing and distribution to companies. we focus on procurement and general supply solution that is right for our client's needs.

At **Skydew Energy Services**, we pride ourselves on reaching international standards in all our areas of operations. we have worked to develop and establish networks with major manufacturers and suppliers to ensure the quality and authenticity of all products and materials we supply.

we can offer procurement or purchasing, inward transport, receiving, warehousing or stores, stock control, material

handling, packaging, outward transport, and physical distribution. we can also offer the supply services of different kinds of materials and equipment.



Corporate Social Responsibility

Skydew Energy Services Ltd believes in giving back to the community as part of our corporate social responsibility.

Here are some of the other ways through which we give back to the community...

Supporting Local Businesses

While carrying out our operations, we outsource some aspects to local businesses within our host community.

This helps support and grow the local community in our own little way.

Sponsoring, Awareness & Sensitization Campaigns

We occasionally organize sensitization campaigns within our host community. This goes a long way to keep the community safe and well-informed.

We hope to do this more often and on a larger scale in the coming years, as we grow and enjoy the continued support of the community.

Going Green – Keeping the Environment Safe

A healthy environment creates an avenue for an optimized working space and better service delivery.

While carrying out our normal operations, we do our bit to keep the environment safe by embracing green and energy-saving technology. We also endorse community neatness as shown in our working policies.



CERTIFICATIONS AND PERMITS



SOME OF OUR CLIENTS



WHY USE US



When you hire **Skydew Energy Services Ltd**, you get

- A line-up of trained and experienced technical team in the industry.
- Top quality and excellent service in line with international standards and industry requirements.
- Rich experience, great partnership, and better technical support.
- Focus on safety and quality is top priority.
- Complete satisfaction
- Good value for your money

We are poised to keep you satisfied and happy always, because we know we are only as good as we make you feel.

CONTACT US

For further information, inquiries, or to request a quote reach out to us today!

- 📍 Block 7A, Fifth Street, Elekahia Housing Estate
Port Harcourt, Rivers State
- 📞 +234 8060143147, +234 8165985596, +234 9137135166
- ✉️ info@skydewenergy.com, skydewenergy@gmail.com
- 🌐 www.skydewenergy.com

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