



THIRD PARTY INSPECTION AND NDT SERVICE

CATALOG



IEMA STANDARDS LTD.



1. Third-Party Inspection



SERVICE OVERVIEW:

Independent evaluations of systems, processes, and products to verify compliance with industry standards and project requirements.

Scope of Services:

- Quality assurance during manufacturing or construction.
- Verification of documentation, certificates, and test results.
- Witnessing tests, factory acceptance tests (FAT), and site acceptance tests (SAT).

Key Benefits:

- Neutral and transparent inspection process.
- Enhanced trust and credibility for stakeholders.

2. Non-Destructive Testing (NDT) Inspection



SERVICE OVERVIEW:

Advanced testing methods to evaluate the integrity of materials and components without causing damage.

NDT Methods Offered:

Ultrasonic Testing (UT): Detect internal flaws and measure material thickness.

Radiographic Testing (RT): Capture detailed images of internal structures.

Magnetic Particle Testing (MT): Identify surface and near-surface defects in ferromagnetic materials.

Eddy Current Testing (ET): Inspect conductive materials for cracks and corrosion.

Dye Penetrant Testing (DPT): Highlight surface imperfections on non-porous materials.

Key Benefits:

- Accurate defect identification.
- Minimizes downtime and asset damage.

3. Product Inspection



SERVICE OVERVIEW:

Detailed inspections of products at various stages, ensuring compliance with specifications and quality standards.

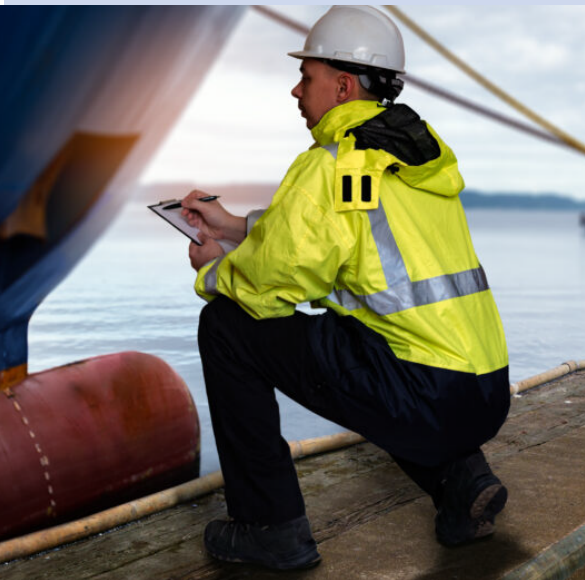
Applications:

- Raw material inspection.
- In-process quality control.
- Pre-shipment and post-production inspections.

Key Benefits:

- Defect prevention at critical stages.
- Improved customer satisfaction and reduced returns.

4. Vessel Inspection



SERVICE OVERVIEW:

Comprehensive assessment of pressure vessels, storage tanks, and pipelines to ensure safety and regulatory compliance.

Inspection Scope:

- Thickness measurement.
- Corrosion analysis and detection.
- Weld integrity evaluation.

Key Benefits:

- Prevents hazardous failures.
- Extends asset lifespan.

5. Cargo Inspection



SERVICE OVERVIEW:

Accurate verification of cargo quantity, quality, and condition during transit or storage.

Applications:

- Pre-loading and discharge supervision.
- Sampling and testing.
- Damage assessment.

Key Benefits:

- Minimizes disputes and financial losses.
- Ensures smooth supply chain operations.

6. Equipment Lifting Inspection



SERVICE OVERVIEW:

Inspection and certification of cranes, hoists, slings, and other lifting equipment to ensure operational safety.

Inspection Scope:

- Load testing and structural integrity checks.
- Compliance with lifting safety standards.
- Functional testing of controls and systems.

ACCREDITATIONS AND LICENSES



- ISO/IEC 17020 Conformity Assessment Accreditation for Inspection bodies



- ISO/17021 Accreditation for certification bodies



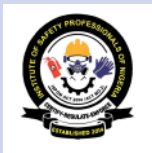
- ISO9001:2015 Quality Management Systems



- ISO14001:2015 Environmental Management Systems



- ISO45001:2018 Occupational Health and Safety



- Institute for Safety Practitioners of Nigeria (ISPON)



- Certification Scheme for Welding and Inspection Personnel



- American Society for Non Destructive Testing Certification for level 1, II, III,



- Nigeria upstream regulatory commission permit on NDT testing



American Welding Society®
FOUNDATION

- American Welding Society Certification (AWS)



- International Laboratory Accreditation Cooperation (ILAC)



- International Accreditation Forum (IAF)

For more information or to request our services, contact IEMA Standard Ltd. today!