

KHEERAN OFFSHORE GUYANA

NDT Services in Guyana

Non-Destructive Testing, Inspection & Asset Integrity Services

Serving the Oil & Gas, Offshore, Marine, Energy and Industrial sectors across Guyana

Kheeran Offshore Guyana provides a complete range of **NDT services in Guyana**, allowing operators to verify the integrity of welds, pipework, pressure equipment and structures without cutting, damaging or taking the asset out of service. Non-destructive testing (NDT), also referred to as non-destructive examination (NDE), detects defects early, supports safety and code compliance, and extends the working life of critical equipment.

From our laboratory in Georgetown we mobilise qualified NDT technicians to fabrication yards, construction sites, shore bases and offshore support facilities throughout Guyana. Every inspection is carried out to recognised international standards and documented in a clear, traceable report.

Our NDT Services in Guyana

We deliver the core non-destructive testing methods used across the energy and heavy industries. Where a single technique cannot give full confidence, we combine methods for complete coverage.

Method	Abbrev.	What it detects / measures
Ultrasonic Testing	UT	Internal flaws, laminations and remaining wall thickness in welds, plate and piping.
Magnetic Particle Testing	MT	Surface and near-surface cracks in ferrous (magnetic) materials and welds.
Liquid Penetrant Testing	PT	Surface-breaking defects in most non-porous metals, including stainless steel.
Visual Inspection	VT	Weld profile, workmanship, corrosion, mechanical damage and general condition.
Positive Material Identification	PMI	Alloy grade and chemical composition, confirming material is as specified.
Ferrite Testing	FN	Ferrite content in duplex and austenitic stainless steel welds.
Hardness Testing	HT	Material and weld hardness, indicating heat treatment and cracking risk.

Alongside these NDT methods we also provide [welding inspection](#), [third-party and QA/QC inspection](#), [material and mechanical testing](#), [metallurgical examination](#) and [failure analysis](#), so a single accountable team can move from defect detection through to root-cause diagnosis.

Where Our NDT Services Are Applied

Non-destructive testing underpins quality assurance during construction and integrity management once an asset is in service. We routinely inspect:

- Pipeline, piping and process weld inspection
- Pressure vessels, boilers and storage tanks, including MFL tank floor inspection
- Structural steel, platforms, jackets and offshore structures

- Marine assets, hulls, barges and mooring equipment
- Lifting equipment, padeyes, rigging and load-bearing attachments
- Rotating and static mechanical equipment during shutdowns and turnarounds

Industries We Serve

Our NDT and inspection services support clients across Guyana's fastest-growing sectors:

- Oil & Gas — onshore facilities, shore bases and offshore operations
- Marine & Shipping — vessels, shipyards and port infrastructure
- Energy & Utilities — power generation, transmission and distribution
- Manufacturing & Heavy Industry — fabrication, processing and plant maintenance
- Construction & Infrastructure — structural steel, bridges and civil works
- Mining & Resources — plant, pipelines and materials handling equipment

Codes, Standards and Qualified Personnel

An NDT result is only as reliable as the technician who produces it. Our personnel hold recognised NDT scheme qualifications and work to methods aligned with the [American Society for Nondestructive Testing \(ASNT\)](#), together with ASME, API, AWS, ASTM and ISO requirements, as well as client and project specifications.

- **ASNT** — personnel qualification and certification practice for NDT
- **ASME** — boiler, pressure vessel and piping code requirements
- **API** — oil and gas equipment, tanks and in-service inspection
- **AWS** — structural and fabrication welding inspection
- **ASTM / ISO** — standard test methods and acceptance criteria

NDT Coverage Across Guyana

Because we are based locally rather than flying teams in, we mobilise quickly and keep project schedules intact. We regularly support work in and around:

- Georgetown and the Demerara-Mahaica region, including our Mosque Street laboratory
- East Bank and East Coast Demerara industrial and fabrication facilities
- Berbice, New Amsterdam and the Corentyne corridor
- Essequibo, Linden and interior mining and infrastructure projects
- Offshore support bases and shore-base logistics serving Guyana's offshore developments

We also support clients regionally, including projects in Suriname and the wider Caribbean.

Why Choose Kheeran Offshore for NDT in Guyana

- **Local laboratory, fast turnaround.** Testing in Georgetown means results in days, not the weeks lost shipping samples overseas.
- **Qualified, experienced technicians.** Inspections performed to recognised schemes and international codes.
- **One team, end to end.** NDT, material testing, metallurgy and engineering under one roof.
- **Traceable reporting.** Clear, auditable reports that stand up to client, third-party and regulatory review.
- **Available 24/7.** Shutdown, turnaround and emergency call-out support when you need it.

How to Arrange NDT Services

Engaging our NDT team is straightforward. Most projects follow four simple steps:

- **1. Tell us the scope.** Share the asset, material, suspected defect type and any applicable code or specification.
- **2. We recommend the method.** We confirm the most effective and economical NDT technique, or combination of techniques.
- **3. Inspection is carried out.** Our technicians attend your site, or receive items at our Georgetown laboratory.
- **4. You receive the report.** A traceable report records the method, equipment, findings and acceptance assessment.

Frequently Asked Questions About NDT in Guyana

What is the difference between NDT and NDE?

The terms are used interchangeably. Non-destructive testing (NDT) and non-destructive examination (NDE) both describe inspection methods that assess a component without affecting its future usefulness.

Which NDT method should I use?

It depends on the material and the defect you need to find. Ultrasonic testing suits internal flaws and wall thickness, magnetic particle testing finds surface cracks in steel, penetrant testing covers non-magnetic materials, and PMI confirms alloy grade. We advise on the right choice for your asset.

Can NDT be performed without shutting down operations?

Often, yes. Many methods can be applied to equipment in place, which reduces downtime. We plan the work with your operations team to minimise disruption while still gathering reliable data.

Do you provide NDT technicians for offshore and remote sites?

Yes. We supply qualified inspection and NDT personnel for site-based, shore-base and offshore support work, as well as inspector supply for longer project durations.

Request NDT Services in Guyana

To discuss a scope of work, arrange a site visit or request pricing, contact Kheeran Offshore Guyana directly or [request a free quote online](#).

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Availability	We operate 24/7, including shutdowns, turnarounds and offshore call-outs.

Our Services at a Glance

Non-Destructive Testing (NDT / NDE): ultrasonic testing (UT), magnetic particle testing (MT), liquid penetrant testing (PT), visual inspection (VT), positive material identification (PMI), ferrite testing, hardness testing, weld inspection, corrosion and wall thickness surveys.

Inspection Services: third-party inspection, QA/QC inspection, structural steel inspection, marine inspection, pipeline inspection, MFL tank inspection, lifting equipment inspection and inspector supply.

Material & Mechanical Testing: tensile testing, Charpy impact testing, bend testing, hardness testing, chemical analysis, metallurgical examination, HDPE pipe and burst testing, pressure gauge calibration and tension measurement.

Engineering Services: welding engineering, welding procedure specification (WPS) development and qualification, failure analysis, corrosion survey, equipment preservation, QA manual preparation and ISO audit assistance.

Kheeran Offshore Guyana — Delivering engineering confidence through inspection, testing and technical excellence.