

NON-DESTRUCTIVE TESTING · INDUSTRIAL INSPECTION

Integrity. No assumptions.

Inspection and technical support for your industrial assets, in the plant and in the field.

INTEGRITY AND RELIABILITY IN NDT SERVICES

Where industry needs certainty.

Pegasus Inspection, C.A. is a non-destructive testing (NDT) and industrial inspection company. We determine the actual condition of materials and components **before** a discontinuity becomes an in-service failure.

We combine certified personnel, calibrated equipment and written procedures in accordance with international standards. We support construction projects, plant shutdowns, predictive and corrective maintenance, statutory inspections and risk-based inspection (RBI).

SECTORS WE SERVE

Oil & gas | Petrochemicals | Power generation | Steel construction | Mining | Heavy manufacturing | Marine

01

Code compliance

We apply the standard, code or specification that governs each component and piece of equipment.

02

Operational continuity

Early detection costs far less than an unplanned shutdown or an in-service failure.

03

Ongoing support

Every asset is re-inspected at each maintenance cycle. We are there for every cycle.

Technical rigor. Backed by standards.

ASME · API · AWS · ASNT · ASTM · ISO

Level III
ASNT-certified technical director

25+ years
technical director's experience

100%
certified personnel and calibrated equipment

Plant & field
extended availability during shutdowns

Mission

To ensure the integrity of industrial equipment and facilities through accurate non-destructive testing that complies with international standards.

Vision

To be the benchmark non-destructive testing company in Latin America, recognized for its technical rigor, its reliability and its adherence to standards.

Quality policy

Every result, exactly as it is. We operate under international and national standards, with competent and qualified personnel, and with continual improvement of our Quality Management System (ISO 9001:2015, implementation in progress).

HSE policy

Nothing is more important than the safety of our people. We work toward zero incidents and zero environmental impact, assessing the risks of every field and workshop activity.

TECHNICAL DIRECTOR

Oscar Cabrera, Mechanical Engineer — ASNT Level III (PT, MT). ASME Authorized Inspector. Over 25 years in oil and gas, power generation and mining projects.

INDEPENDENCE AND IMPARTIALITY

We report what we find. No commercial interest alters a result or an acceptance criterion.

Right place.
Right time.

INSPECTION AND OPERATIONAL CONTINUITY

01 Plant and field inspection

Non-destructive testing at fixed facilities or directly at the client's site.

02 Plant shutdown support

Coverage during turnarounds and scheduled maintenance, with extended availability.

03 Statutory inspections

Assessments for equipment commissioning, recertification or change of service.

ASSET INTEGRITY

04 Static equipment · API 510 / 570 / 653

Pressure vessels, process piping and storage tanks: inspection, assessment and remaining life.

05 Risk-based inspection · API 580 / 581

Inspection plans prioritized by probability and consequence of failure.

06 Paints and coatings · NACE / AMPP

Inspection of surface preparation, application and film thickness of anti-corrosion systems.

07 Rotating equipment

Predictive maintenance support: vibration, alignment and condition of rotating machinery.

Knowledge behind every decision.

WELDING AND QUALITY

08 Welding inspection (CWI)

Visual and dimensional inspection by AWS Certified Welding Inspectors (CWIs) before, during and after welding.

09 WPS / PQR / WPQ qualification

Development and qualification of welding procedures and welder qualification to the applicable code.

10 Quality dossiers and third-party inspection

Inspection and test plans (ITP), manufacturing data records (MDR) and nonconformance management (NCR).

TECHNICAL SUPPORT

11 NDT procedures

Development and qualification of testing procedures to the client's standard or specification.

12 Technical consulting

Method selection, acceptance criteria and interpretation of results.

13 Engineering and technical assessments

Tank dimensional, plumbness and roundness surveys; structural integrity assessments with calculation reports.

14 Drone visual inspection

Hard-to-access tanks, stacks, structures and roofs, without scaffolding and with georeferenced records.

Quality from the source.

We support clients from the purchase of equipment until it is placed in service: we verify at the factory, on site and during audits.

ACCEPTANCE TESTING

15 Factory acceptance test (FAT) witnessing

Inspector present at the manufacturer's plant to verify, before shipment, that the equipment meets the specification, the drawings and the inspection and test plan. Recording of results and punch list.

16 Site acceptance test (SAT) witnessing

On-site verification, after installation, that the equipment performs as specified before the client's final acceptance.

PROCUREMENT AND AUDITS

17 Global materials and equipment procurement support

Technical bid evaluation, supplier inspection and expediting, review of material test reports (MTR) and receiving inspection, with PMI support when required.

18 ASME audit preparation and support

For manufacturers seeking or renewing ASME certification: gap assessment and quality control manual, internal pre-audit and support during the audit.

The right technique for every discontinuity.

UT

Ultrasonic testing

Volumetric inspection of welds, castings and forgings; wall thickness measurement for corrosion monitoring.

RT

Radiographic testing

Volumetric inspection of welds and castings using film or digital radiography. Performed under a valid radiation license and radiation protection program.

MT

Magnetic particle testing

Surface and near-surface discontinuities in ferromagnetic materials.

PT

Liquid penetrant testing

Surface-breaking discontinuities in metallic and non-metallic materials.

ET

Eddy current testing

Heat exchanger tubing and surface defects in conductive materials.

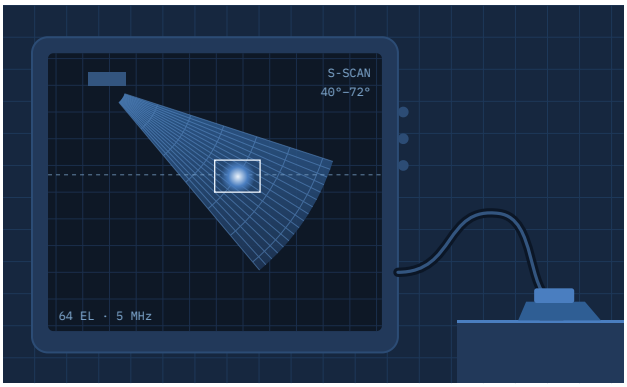
VT

Visual testing

Dimensional, finish and weld evaluation as the first line of control.

We select the method, or combination of methods, based on the material, the expected discontinuity and the component’s life stage.

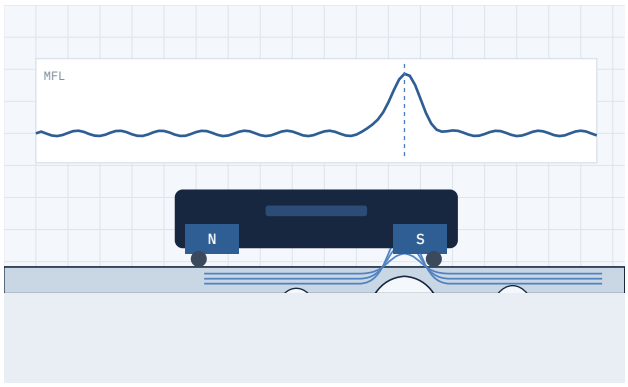
Beyond the surface.



PAUT · TOFD

Advanced ultrasonics

Phased array and time-of-flight diffraction for welds and heavy-wall components, with sectorial imaging and digital records.



MFL

Magnetic flux leakage

Tank floors, pipelines and steel wire ropes: detection of metal loss due to corrosion.

COMPLEMENTARY TESTS

PMI	**Positive material identification**	Chemical composition and alloy verification of tubes, valves and pumps by portable XRF, without damaging the component.
HD	**Hardness testing**	Portable, in-situ measurement to qualify procedures and evaluate heat treatments.
LT	**Leak testing**	Verification that pressure vessels or piping are free of detectable leaks.
MR	**Metallographic replicas**	In-service microstructure: creep, fatigue or other damage mechanisms.

Some advanced techniques may be performed with equipment and certified personnel from technical partners, always under our procedures, supervision and reporting.

Experience passed on.

We train technical staff and plant engineers in the techniques we perform, with instructors who apply them in the field.

INSPECTION TECHNIQUES

- Ultrasonic testing (UT)
- Radiographic testing (RT)
- Magnetic particle testing (MT)
- Liquid penetrant testing (PT)
- Eddy current testing (ET)
- Visual testing (VT)
- Phased array ultrasonic testing (PAUT)
- Magnetic flux leakage (MFL)
- Positive material identification (PMI)
- Hardness testing
- Leak testing (LT)
- Metallographic replicas

EXAM PREPARATION COURSES

AWS CWI

ASME Inspector

Training aligned with ASNT SNT-TC-1A and ISO 9712. Personnel certification is issued by the employer or the relevant body, according to the applicable scheme.

Every finding, documented.

Four stages, from request to signed report.

01

Technical survey

We review drawings, specifications and component history to define the appropriate test method.

02

Field or plant inspection

Certified personnel apply the procedure using calibrated equipment with documented traceability.

03

Interpretation and evaluation

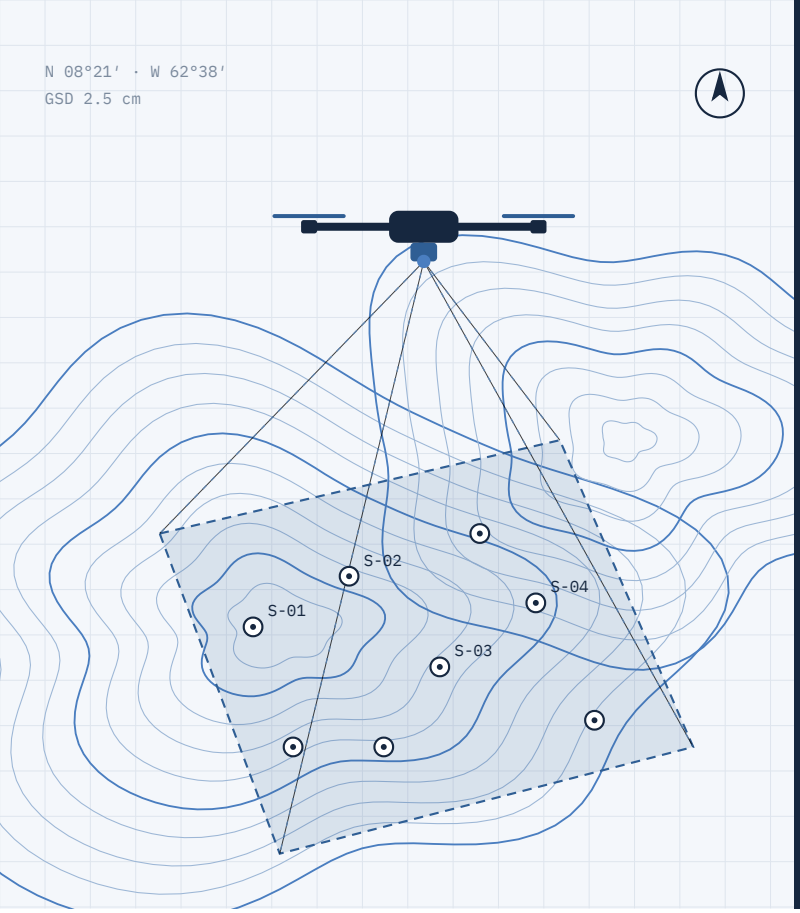
We evaluate the results against the acceptance criteria of the applicable standard, code or specification.

04

Report and recommendation

We deliver a report signed by the responsible inspector, with findings, records and technical recommendations.

TRACEABILITY AT EVERY STAGE



10 / GEOINSPECTION

From terrain to data.

Drone mapping and X-ray fluorescence chemical analysis.

NEW SERVICE LINE

We apply the same rigor as in our inspections to land, mineral samples and materials: trained personnel, calibrated equipment and every data point traceable. We measure composition with portable XRF, the same technology we use in our PMI service.

WHO IT IS FOR

- Concession holders
- Small-scale mining
- Exploration companies
- Plants and quarries
- Investors

01

Aerial mapping

Orthomosaic, elevation model and map of areas of interest to plan sampling.

02

Sampling and XRF

Traceable samples and chemical analysis with quality control in every batch.

03

Laboratory confirmation

When the client needs official figures, we coordinate the analysis at an ISO/IEC 17025-accredited laboratory.

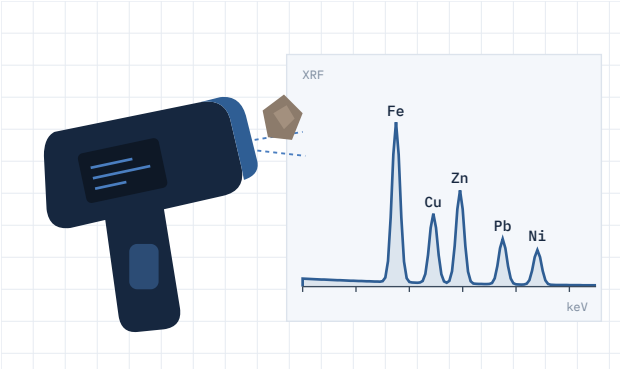
Every sample, traceable.



FIELD

Traceable sampling

Rock and soil samples with unique ID, GPS, photographic record and chain of custody.



XRF

X-ray fluorescence

Chemical composition in the field or on prepared samples, with certified reference materials (CRM), blanks and duplicates in every batch.

SERVICE LEVELS

REC	**Reconnaissance**	Drone flight, orthomosaic, elevation model and sampling plan.
EXP	**Sampling and analysis**	Reconnaissance + sampling, XRF analysis with quality control and element anomaly maps.
LAB	**Confirmation**	Sampling and analysis + shipment of selected samples to an ISO/IEC 17025-accredited laboratory and correlation with XRF.

Portable XRF provides field results to guide decisions. Official grade figures come from the accredited laboratory. If a quality control check fails, we repeat the batch before releasing results. These services do not constitute an estimate or certification of mineral resources or reserves.

PEGASUS
INSPECTION

Let’s talk about your next inspection.

Request a quote or a preliminary technical assessment visit, with no obligation.

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