



شركة الإبداع الدولي International Innovation Company LLC

Reliability Assured



**BUSINESS
PROFILE**

www.iicarabia.com



ABOUT US

International Innovation company LLC specializes in NDT Inspection & Testing and industrial Services, employing both advanced and conventional methods to ensure the integrity and safety of critical industrial components.

We also offer Technical Training Courses to equip professionals with essential NDT skills, ensuring they are proficient in both fundamental and advanced techniques, thereby enhancing the safety and efficiency of operations.



- Conventional NDT Services
- Advanced NDT Services
- Heat Treatment Services
- Technical Consulting Services
- Technical Training Services
- Third-Party Vendor Inspection Services
- Welder Qualification and Testing Services
- Industrial Services
- Plant Shutdown Management
- Manpower supply services

OUR MISSION

To deliver reliable, high-quality inspection and testing services locally and globally, ensuring safety, regulatory compliance, and consistent operational excellence.

OUR VISION

To deliver our expertise in Non-Destructive Testing (NDT & ANDT), Inspection & testing, Industrial services and technical training program with the aim of becoming a market leader.

CORE VALUES

- **Safety First** - We prioritize the well-being of our people, clients, and the environment.
- **Integrity & Accuracy** - Honest, impartial, and precise in every inspection and report.
- **Technical Excellence** - Leveraging advanced technologies and skilled professionals for reliable results.
- **Customer Focus** - Delivering tailored solutions and building long-term trust.
- **Innovation & Improvement** - Continuously enhancing methods, efficiency, and safety.
- **Environmental Responsibility** - Committed to sustainable and responsible practices.



CONVENTIONAL NDT SERVICES

Conventional NDT consists of proven techniques used to assess the condition and integrity of materials and structures without causing damage. This service is essential for maintaining plant reliability and asset integrity. Upon completion of testing, International Innovation Company LLC delivers a comprehensive, standards-compliant report, or a customized report based on client requirements.

CONVENTIONAL NDT METHODS

- ✓ Ultrasonic Testing
- ✓ Magnetic Particle Testing
- ✓ Liquid Penetrant Testing
- ✓ Visual Testing
- ✓ Electromagnetic Testing
- ✓ Radiographic Testing



OTHER NDT SERVICES

- ✓ Hardness Testing - Digital and Telebrineller
- ✓ Vacuum Box testing - Flat & Corner
- ✓ Positive Material Identification (PMI)
- ✓ Helium Leak Testing
- ✓ Holiday Testing - Painting & Coating
- ✓ Ferrite Testing



HOLIDAY TEST

Holiday test is one of the NDT method applied on protective coatings to detect unacceptable discontinuities such as pinholes and voids. The test involves checking of an electric circuit to see if current flows to complete the electrical circuit.



VACUUM BOX TESTING

It is an NDT method for detecting weld seam leaks. A vacuum box creates pressure while a bubble-forming solution reveals leaks. Suitable for pipes, containers, and sheet metal, it detects cracks, pores, and fusion issues. Testing requires precise conditions, calibrated gauges, and commercial solutions, ensuring reliable leak detection.



Positive Material Identification

Positive Material Identification (PMI) is a vital non-destructive testing (NDT) method used to verify that materials meet the required standards and specifications, ensuring that the chemical composition of metallic components contains the correct proportions of key elements.



Hardness Testing

At IIC, our experienced team ensures the quality of metal-based products through precise hardness testing and material sorting, combined with comprehensive nondestructive evaluations. This integrated approach provides certified results, streamlines the testing process, and saves both time and shipping costs, giving your products reliable, third-party-verified performance



ADVANCED NDT SERVICES

IIC is the trusted partner for leading organizations, delivering comprehensive inspection solutions with speed, precision, and reliability. Our strength comes from an extensive portfolio of advanced NDT services, a team of highly skilled professionals, and access to the latest cutting-edge inspection equipment and technologies.

- Tube Inspection (ECT, ECA, PSECT, SECT, RFT, MFL, IRIS)
- Time of Flight Diffraction
- Long Range Ultrasonic Testing
- Phased Array UT
- Automated Ultrasonic Testing
- Corrosion Mapping
- Helium Leak Testing
- Thermography

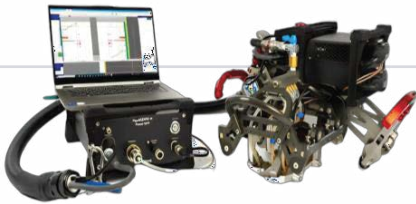
LONG RANGE ULTRASONIC TESTING-LRUT

LRUT is an efficient technique used to test large volumes of material from a single test point. It is a fast and cost-effective method for inspecting long lengths of pipe.



THERMOGRAPHY

Thermographic inspections use infrared emissions to detect surface temperature variations, revealing construction flaws or early damage like overheating bearings or heat loss. Passive and active methods identify issues effectively.



AUTOMATED ULTRASONIC TESTING - AUT

AUT covers a range of ultrasonic inspection techniques using powered, mechanical scanners to locate inherent defects within a given material.

TUBE INSPECTION

Advanced NDT techniques like ECT, ECA, PSECT, SECT, RFT, MFL and IRIS are crucial for inspecting tubes in industrial systems. These methods detect surface and subsurface defects, and corrosion, pitting, measure wall thickness, ensuring equipment integrity and preventing failures.



PHASED ARRAY ULTRASONIC TESTING (PAUT) TIME OF FLIGHT DIFFRACTION (TOFD)

PAUT and TOFD are advanced NDT techniques used for detecting and imaging defects in materials. PAUT is effective in identifying cracks, voids, and pits caused by corrosion, as well as measuring material and coating thickness and detecting changes in material properties. TOFD, on the other hand, is a

highly sensitive and accurate method, particularly suited for inspecting welds for defects, providing precise and reliable results. Together, PAUT and TOFD offer comprehensive solutions for high-quality efficient inspections in various industrial applications.

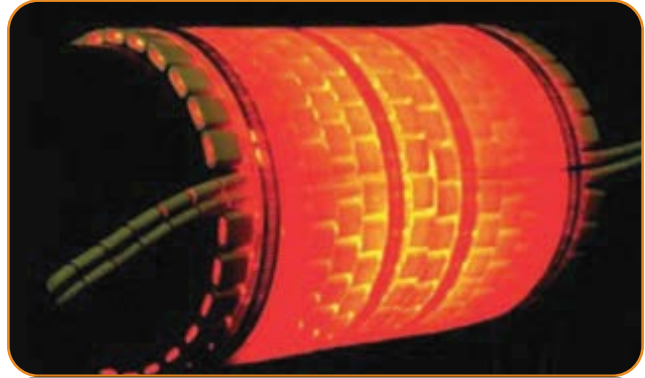
MAGNETIC FLUX LEAKAGE-MFL

Tank Bottom Floor Corrosion Mapping MFL Tank Floor Corrosion Mapping, An Advance Ndt Technique For Unearthing Hidden Corrosion Beneath Tank Floor Insulation Safeguarding Your Investments and Ensuring Operational Continuity.



HEAT TREATMENT SERVICES

We offer comprehensive heat treatment services for welds, piping, pressure vessels, boiler components, and structural elements. Our expert team provides pre-heating, post-heating, stress relieving, normalizing, solution annealing, tempering, step cooling, and refractory material drying, as well as post-weld heat treatment using electrical resistance methods. We design, fabricate, calibrate, and operate customized electrical furnaces to meet client-specific needs, ensuring optimal material performance, safety, and long-term reliability.



BORESCOPE INSPECTION SERVICES

IIC provides advanced video-borescope inspections to access hard-to-reach areas without disassembly. This non-destructive method identifies defects, ensures component quality, and helps prevent costly maintenance and downtime across turbines, engines, and industrial equipment.

We offer a wide range of camera diameters, rover types, Remote Operating Vehicle designed to capture detailed imagery in pipes and tubes of various sizes from 7mm to 80in.



TECNICAL MANPOWER SERVICES

- ASNT NDT Level III
- API Inspectors
- Level I, and II Technicians
- NDT Supervisors
- NDT Engineers
- Corrosion Specialists
- Welding Inspectors
- Painting Inspector
- Material Specialists
- Data Analysts
- Metallurgist





INDUSTRIAL SERVICES

The following is the range of services we provide under Plant Industrial Services:

- Cleaning, Maintenance of Heat Exchangers, Air Fin Fan Coolers, Drums, Vessels, Tanks, Columns, and Reactors & Flare Stacks.
- Refurbishment and Maintenance of Boilers, Heaters, Furnaces, Reformers and HRSGs.
- Re-tubing Services for Heat Exchangers.
- Maintenance & Overhauling of Gas Turbines, Compressors, Pumps, Fans, Motors & Blowers.
- Catalyst Replacement, HPWJ and Tanks Cleaning.
- Pre-Commissioning, Commissioning & Plant Start-up Assistance.
- Technical & Skilled Manpower Supply on Short- & Long-Term Basis.



PLANT SHUTDOWN MANAGEMENT

Shutdown Management Services provides comprehensive planning, coordination, and execution support for industrial shutdowns, turnarounds, and maintenance projects. We help companies minimize downtime, improve operational efficiency, and ensure that every shutdown is completed safely, on schedule, and within budget.

Our Services Include:

- Shutdown planning and scheduling
- Manpower supply and supervision
- Mechanical, electrical, and instrumentation support
- Equipment inspection and maintenance
- Project coordination and reporting
- Project planning and execution strategy
- Resource allocation and workforce coordination
- Material and logistics management
- Quality control and documentation
- Final inspection and project handover
- Risk assessment and mitigation





TECHNICAL TRAINING COURSES

NDT/A-NDT Training

- CSWIP ISO 9712
- ASNT Practice No. SNT-TC-1A (Employer Certification)
- NDT L-3 Consultancy



In-Service Plant Inspection Course (API)

- API 570 Piping Inspection Training for In-Service Inspection with Examination
- API 510 Pressure Vessel Inspection
- Training for In-Service Inspection with Examination API 653 Above-Ground Storage Tank
- Inspection for In-Service for with Examination API 936 Refractory Personnel with Examination
- API 580 Risk Based Inspection with Examination
- API 577 - Welding Inspection & Metallurgy
- API 571 Corrosion and Materials
- API 570 (Piping Inspection) Course Only



Welding Inspection Courses

- CSWIP
- AWS
- Welding Engineering
- Welder Qualification (PQR/WPQR)
- BGAS - CSWIP



Customized Training

- Soft Skill Training
- ASME
- API Training with CWI/SCWI Recertification
- QMS Training
- PMP Preparatory Training





Contact Us :

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