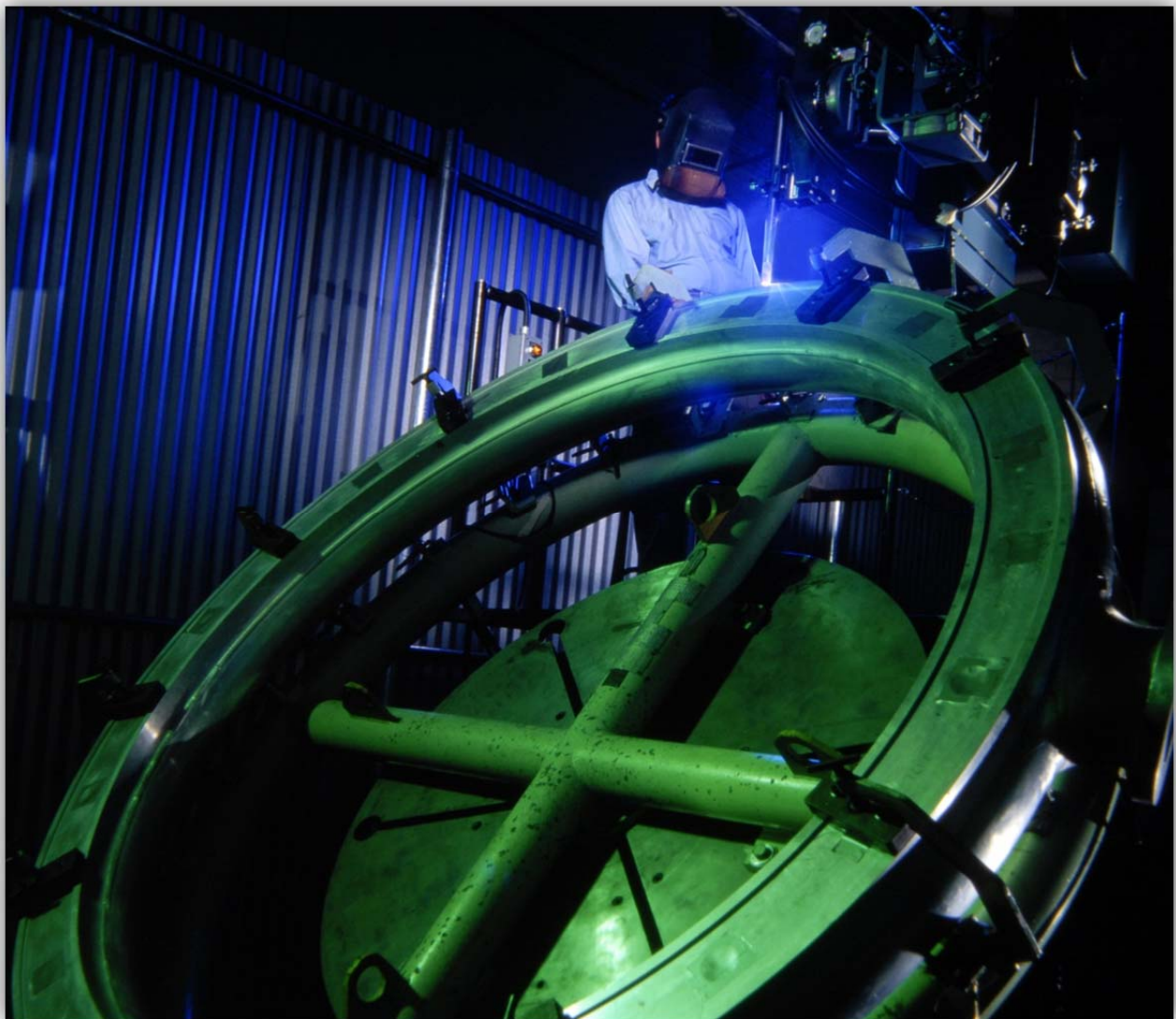


## **Tricen Technologies' NDT Service Capabilities**

The following pages provide a detailed list of our inspection service capabilities. All of our services are implemented in many different industries that include power generation, petro-chemical, construction, manufacturing, transportation, aircraft, etc. These services are compliant to many Code Specifications, Federal Regulations, and Industry Standards. Please contact us for more details about our various accreditations and industry compliances. To remain as a leader in the inspections industry we are continuously expanding our capabilities. Please contact us for more information about our emerging technologies and future offerings.



## **ULTRASONIC TESTING**

- Phased Array
  - Flaw Detection & Sizing
  - Corrosion Mapping
  - Automated & Manual processes
- Time of Flight Diffraction (TOFD)
  - Flaw Detection & Sizing
- Shearwave/Angle Beam
  - Flaw Detection & Sizing
- Straight Beam
  - Corrosion Mapping
  - Thickness Measuring
  - Flaw Detection & Sizing
- IRIS
  - HX Tubing Assessments
- Personnel
  - Level III, II, I in compliance with ASNT CP-189
  - Level III, II in compliance with ASME XI, Appendices VII and VIII
  - EPRI PDI Qualified Technicians
  - Data Management
  - Level III NDT instructors in compliance with ASNT CP-189 and ASME Section XI

## **VISUAL TESTING**

- AWS Certified Weld Inspectors (CWI)
- API Certified Inspectors (510, 653, etc)
- ASME Section XI Qualified Inspectors (VT-1, VT-2, VT-3)
- ASME Section XI IWE/IWL Qualified Inspectors
- Infrared Thermography
- Remote Visual Inspections
  - Advanced Access Units (crawlers, robots, etc)
- Level III, II, I qualified inspectors in compliance with ASNT CP-189
- Level III NDT Instructors in compliance with ASNT CP-189 and ASME Section XI.

## **GROUND PENETRATING RADAR INSPECTIONS**

- Concrete Inspections
  - Detection and Identification of Embedded Materials
    - Identify Post-tension cabling, Conduit, Rebar, etc.
  - Detection of Voids
  - Deterioration Mapping

## **EDDY CURRENT TESTING**

- Tubing Inspections
  - Pre-Service and In-Service Inspection Programs
  - High Speed, Multi-Frequency Examinations
    - Automated & Manual Processes
    - Bobbin Coil and Encircling Coil Techniques
    - Advanced Array Coil and Rotating Coil Systems
  - Remote Field Testing (ferromagnetic materials)
  - Advanced Analysis Techniques & Systems
    - Automated Analysis
    - Remote Analysis
    - Degradation Trending and Growth Analysis
- Surface Inspections
  - Common applications include piping, turbines, welds, plates, fasteners, etc
  - Field service and in-house high volume systems
  - High Speed, Multi-Frequency Examinations
    - Automated & Manual Processes
    - Wide Range of Coil Configurations including Array coils
  - Flaw Detection & Sizing
- Personnel
  - Level III, II, I in compliance with ASNT CP-189
  - EPRI QDA and IIA Qualified Data Analysts
  - Multi-Platform Qualified Data Managers
  - Level III NDT Instructors in compliance with ASNT CP-189 and ASME Section XI.

## **MAGNETIC PARTICLE TESTING**

- Portable and Stationary Systems
  - High-Volume Inspections
  - Large Parts
- Visible and Fluorescent Techniques
- Wet and Dry Techniques
- Level III, II, I qualified inspectors in compliance with ASNT CP-189
- Level III NDT Instructors in compliance with ASNT CP-189 and ASME Section XI.

## **LIQUID PENETRANT TESTING**

- Portable and Stationary Systems
  - High-Volume Inspections
  - Large Parts
- Visible and Fluorescent Techniques
- Level III, II, I qualified inspectors in compliance with ASNT CP-189

- Level III NDT Instructors in compliance with ASNT CP-189 and ASME Section XI.

## NDT TRAINING

- NDT Instructors qualified to ASNT CP-189 and ASME Section XI Specifications.
- NDT Level I, II theory training (compliant to ASNT SNT-TC-1A guidelines)
- Computer Based and Web Based training programs available
- Advanced ET Data Analysis (various principles and platforms)
- Training facilities located in Florida and Minnesota

## QUALITY ASSURANCE AND CONTROL

- Program Development and Implementation
- Auditing Services
  - Lead Auditors
  - Program and Process Audits
- Project Oversight and Review

## OTHER SERVICE OFFERINGS

- Inspection Software Development
- Inspection Hardware Development and Fabrication
- Calibration Standard Development, Qualification, and Fabrication



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