

Inspection and Engineering Services Combined Provide Turnkey Solutions

With decades of experience, IIA provides engineering, inspection and lab services across North America to help plant owners and manufacturers safely extend the life of their assets. Clients in a wide range of industries trust IIA for unmatched technical expertise and quick project turnaround to keep their systems running safely, smoothly and reliably.



Industries We Serve

These are just some of the industries that trust IIA for their inspection needs.

- Aerospace & Aviation
- Bridge & Infrastructure
- Government & Defense
- Fire Departments
- Medical
- Midstream Oil & Gas
- Petrochemical & Refinery
- Power Generation
- Precision Manufacturing
- Pulp & Paper
- Radiofrequency Devices

Areas of Engineering Expertise

Our team includes engineering professionals with expertise in the following areas:

- Structural/Civil Engineering
- Reverse Engineering
- Mechanical Engineering
- Forensics/Accident Investigation
- Lift Planning & Engineering
- Welding & Materials
- Electrical Engineering
- Fitness-For-Service (Ffs) Evaluations
- Finite Element Analysis (Fea)
- Service Water System Evaluations



WHO WE ARE

IIA IS COMPRISED OF THREE MAIN BUSINESS SEGMENTS: INSPECTION SERVICES, ENGINEERING SERVICES AND LAB SERVICES.

- **INSPECTION SERVICES:** IIA's multiskilled technicians arrive on site with cutting-edge technology and a remote support network to support daily inspection needs, as well as planned maintenance activities. Along with our expertise in traditional NDE, our field service personnel are capable of performing evaluations using specialty NDE. We also offer complete lifting solutions for overhead and mobile cranes, fire/ladder trucks, bucket trucks, deicers, and many other lift devices.
- **ENGINEERING SERVICES:** With multidisciplinary engineering expertise, our team can design, inspect, and help maintain critical steel structures, as well as perform compliance and safety inspections, welding engineering, forensic engineering, incident investigations and equipment validation. Our engineering experts can also develop repair procedures for damaged cranes and other construction equipment, engineer lifts for heavy loads, tandem crane lifts or installation into difficult areas and provide load testing and rating of cranes and other lift equipment. Our advanced engineering capabilities include fitness-for-service (FFS) evaluations, finite element analysis (FEA), and Tmin (minimum allowable thickness) calculations for Service Water piping systems.
- **LAB SERVICES:** IIA Labs have the capacity to perform traditional lab inspection and testing scopes, such as visual testing, penetrant testing, radiographic testing, environmental testing, calibration, EMC and RF testing, as well as more complex forms of inspection, such as CT scans, CMMS, 3D modeling, and comparative analysis verification. Our lab personnel leverage a breadth of knowledge across industries to determine the best methodologies for our customer's unique testing needs.

IIA: Your One-Stop Shop

As a full-service inspection company, here's what you can expect from IIA:

- An unwavering commitment to safety
- Responsive customer service
- Fast turnaround times
- Highly skilled technicians
- Multidisciplinary engineering expertise
- World-class laboratory services
- State-of-the-art tools & technologies
- Respect for schedule, budget and compliance restraints
- Lower Total Cost of Ownership
 - Turnkey Inspection + Engineering Solutions

THE NDE EXPERTS

We are the go-to industry expert for Non-Destructive Examination (NDE) services using traditional technologies, such as X-Ray, Magnetic Testing, Dye Penetrant Testing (PT), and Phased Array Ultrasonics (PAUT), as well as advanced NDE and proprietary technologies.

As a full-service provider, IIA's licensed professional engineers work closely with our NDE experts to deliver turnkey solutions to power plants, paper mills, manufacturers and more.

SKILL, SPEED & SERVICE

The team at IIA combines unmatched technical expertise with exceptional customer service to provide the solutions you need to succeed. Everything we do is designed to help customers enhance safety, minimize defects and downtime, and manage total cost of ownership.