



INDUSTRIAL[®]
INSPECTION & ANALYSIS



**YOUR CHALLENGE. OUR EXPERTISE.
ENGINEERING SERVICES**





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IIA is a trusted technology service partner, and they have earned a reputation for providing cost-effective and innovative inspection solutions. IIA applies best practices and delivers outstanding results.

- Confidential, Defense Contractor



ACCOUNTABLE

IIA understands safety is priority in this industry, and we take responsibility for always acting with integrity and in the best interests of our customers, our employees, and the public at large.



PROFESSIONAL

We confidently connect with our customers and are always detail oriented and solution focused. You can count on each of our team members to conduct themselves in a positive and personable way, highlighting IIA's commitment to customer service and respect.



ENGAGED

Everyone within IIA is eager to listen, communicate with, and fully understand our customers' needs and goals. Further, our team finds answers, explores possibilities, and provides successful solutions. Sometimes this means delivering accurate solutions by using traditional technologies or challenging a seeming impossibility and applying a new technology.



WHO WE ARE

In 2015, the founders of Industrial Inspection & Analysis, Inc.® (IIA) began with a vision to build a best-in-class, industrial inspection company with a breadth of high-quality service offerings for a variety of industries, while ensuring equal focus on safety, customer service, technical leadership, and continuous improvement.

IIA offers timely, accurate, and reliable inspections, certifications, and testing solutions in both laboratory and field settings. Our company has grown to serve the whole of North America with a presence across the United States and a large and growing footprint in Canada and Asia.

As we grow, we remain focused on continuously improving and expanding our vast service offerings and continually developing our already robust bench of expert talent. In doing so, our current and future customers benefit from our expertise, knowledge, network, and industry leadership.

Whether you have a routine, unique or extremely challenging inspection or engineering project, IIA is committed to providing professional, fast, and accurate service each and every time. We are committed to helping our customers succeed.



OUR FOOTPRINT

IIA has an extensive footprint and an ever-expanding global presence in the industrial sector. We are a leader in this market within the United States and Canada. Our highly-skilled industrial experts, technicians, and engineers provide a wide range of testing, inspection, certification, and engineering service offerings across North America and within multiple industries. IIA's leadership and expertise in the industrial sector, coupled with our ever-expanding geographic footprint, means we have the ability to mobilize quickly and offer services at competitive pricing.

Our customers praise us for our consistent professionalism, technical leadership, integrity, and expertise. IIA's expert multi-skilled technicians and engineers understand what's important to you, and they know how to provide it in a manner that serves you quickly and thoroughly.



HUNDREDS OF EXPERTS SERVING YOU

IIA's hundreds of employees are all knowledgeable, curious, and professional, and each has a unique skill set that ensures best-in-class service for you.



LOCATIONS ACROSS THE GLOBE

IIA operates many field offices and laboratories across the United States and also operates offices in Canada and China.



WHO WE SERVE

IIA provides services to a wide variety of customers across many sectors, including nuclear power, oil and gas, petrochemical, aerospace, defense, municipalities, lifting, and manufacturing. Across North America, we offer field inspections and engineering services to support safe, reliable operations and keep your facility in compliance. We are also the only source you need for Lab and Engineering Services projects, including 3D and Laser Scanning.

Making the World Safer is our mission at IIA, and that mission extends to environmental, social and governance (ESG) performance. We are committed to operating in an environmentally and socially responsible manner and to helping our customers do so as well. We are proud to support our clients' clean energy projects and initiatives. And across every industry we serve, we offer inspection and engineering services that promote safety, efficiency and compliance with all applicable regulations.



AERIAL DEVICES



AEROSPACE



AMUSEMENT PARK INDUSTRY



BRIDGES & INFRASTRUCTURE



FOOD & BEVERAGE



GOVERNMENT



LAW



LIFTING DEVICES



MANUFACTURING



MARITIME



MEDICAL



PAPER & PULP



PETROCHEMICAL & REFINERY



POWER GENERATION



RADIO FREQUENCY DEVICES

SERVICES



ENGINEERING SERVICES:

IIA offers solutions to your engineering challenges by providing design and integrity assessment services for structural, civil, mechanical, and metallurgical engineering, and also lift planning and welding engineering. Whether you're in construction, power generation, oil & gas, chemical, steel fabrication, or manufacturing industries, our professional engineers can help you.



LIFT EQUIPMENT INSPECTIONS:

We have decades of experience providing on-site inspection and certification and repair services to ensure the safety of overhead cranes, airline ground support equipment (GSE), bucket trucks, stevedoring/maritime equipment, wire rope, and other aerial and lift devices. IIA is one of only a few companies that offers on-site, live line tool testing for the electrical power industry.



INDUSTRIAL INSPECTIONS:

IIA's expert technicians are available 24/7 to support planned or unplanned inspection needs. Our toolkit includes both traditional and advanced NDE methods, including our own proprietary tools; and our team includes engineers who can help resolve issues that we identify during inspections. Our multidisciplinary engineering expertise includes structural/civil, mechanical, metallurgical, and electrical.



LABORATORY SERVICES:

IIA has grown to become one of the largest and most trusted providers of lab services in North America and beyond. Serving a spectrum of industries, our capabilities include metrology, metallurgical, non-destructive, dimensional, mechanical, EMC/EMI, metrology, consumer goods, calibration, environmental, chemical analysis, and lubricant, fuel, coolant and grease testing.



**VISIT INDUSTRIAL-IA.COM
FOR MORE INFORMATION.**

ENGINEERING SERVICES

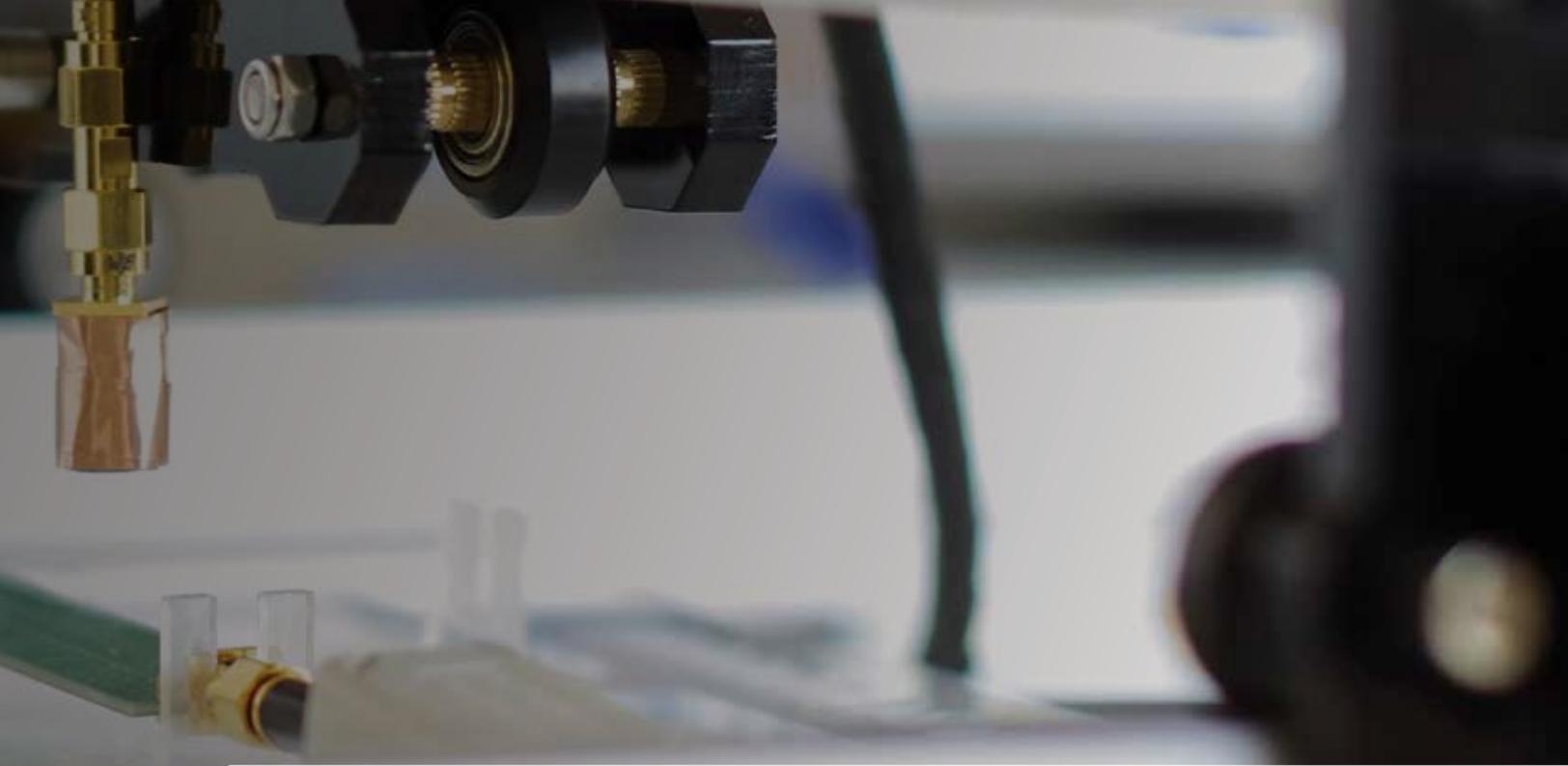
ENGINEERING SERVICES

An Engineering Professional's primary duty is to protect the health, safety, and welfare of the public and the environment.

For decades, we've been working with in-service equipment, whether it's inspecting, certifying, or providing engineering solutions. Our vast experience allows us to tailor our process to your specific needs. Engineering at IIA was built on filling the void between mechanical, civil, and metallurgical disciplines. Incorporating Engineering solutions with inspection, non-destructive testing, and certification has allowed us to become the industry leader we are today.

As a full-service company, our team includes professional engineers representing a variety of disciplines, including structural/ civil, mechanical, metallurgical, and welding and materials.

Our engineers understand the needs of your industry, and consistently strive to produce safe, sound, and cost-effective engineering solutions for your projects. From simple engineering support to complex, high-value projects, no task is too big or small for us to tackle head on. And with every project, safety is our top priority.



AREAS OF EXPERTISE

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

STRUCTURAL/CIVIL ENGINEERING

MECHANICAL ENGINEERING

**FORENSICS/ACCIDENT
INVESTIGATION**

**LIFT PLANNING, INSPECTION AND
ENGINEERING**

WELDING & MATERIALS

METALLURGICAL ENGINEERING

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“We were using another engineering company prior to IIA, but will be continuing all our inspections with you.”

STRUCTURAL/CIVIL ENGINEERING

IIA is a leading supplier of structural engineering services for industrial, commercial, institutional and construction projects. Our goal is to provide our clients with cost-effective and high-quality engineering solutions.

Our civil engineering department was built to integrate civil and mechanical disciplines to offer solutions that bring value to your projects.

Our ability to understand the dynamic and static elements of your project sets us apart from other civil engineering firms.

Our core competencies are with steel and concrete design, with specialties in concrete foundations, concrete slab design, open web steel joist reinforcements, structural steel, and temporary shoring plans.

HOW CAN WE SUPPORT YOU?

- **SHORING** – Temporarily supporting your buildings, structures, trenches, or total project.
- **RESHORING** – Supporting your concrete to let your project grow.
- **FORMWORK** – Designs to mold your project.
- **SCAFFOLDING** – Helping you to climb to new elevations.
- **SWING STAGE/SUSPENDED SCAFFOLDING** – Supporting your people.
- **MATERIAL RACKING & MEZZANINES** – Supporting your products.

INDUSTRIAL DESIGN & PLANT ENGINEERING SERVICES

- Mezzanines, Equipment Access Platforms, Catwalks, Canopies & More
- Loading Docks & Ramps
- Overhead Crane Structure Design / Upgrading / Engineered Lifts
- Other Shop Cranes / Below The Hook Design
- Building Modifications and Expansions
- Fall Protection Systems, Including
 - Horizontal & Vertical Lifeline Systems
 - Guard Railing
- Pre-Start Health And Safety Reviews (PSR's) for:
 - Lift Equipment
 - Industrial Racking
- Heavy Machine Foundations and Bases
- Rooftop Unit (RTU) Equipment Supports
- Open Web Steel Joist Reinforcement (OWSR) Design
- Smoke Stack Design
- General Structural Steel and Concrete Design

COMMERCIAL BUILDING RESTORATION SERVICES

With expertise in steel and concrete structures, IIA provides building restoration engineering services to industrial, commercial, institutional, and hi-rise rehabilitation projects. Our project management team will ensure your project is completed on time and on budget, from start to finish.

You can rely on our professional engineers for the following:

- Rehabilitation of walls, parking garages, floor slabs, balconies, and foundations
- Structural reinforcement of existing structures
- Structural redesign/modification
- Open web steel joists reinforcement
- Temporary shoring, re-shoring, and scaffold design
- Building code compliance
- Concrete slabs, retaining walls, culvert design
- Repair procedures for concrete or steel structures
- Project management
- Project permitting & tendering



CONSTRUCTION STRUCTURAL ENGINEERING SERVICES

Our engineers can handle small to midsize construction projects from beginning to end, including such critical stages as: concept drawings, final approved design, shop drawings and member connections for fabrication, third party fabrication sourcing (*if required*), and final visual inspection and nondestructive testing on fabrication and erection (*if required*). Our services include:

- Engineering Support for Construction Projects
- Steel & Concrete Design for Building Add-Ons/ Expansions
- Demolition Plan & Review for Construction Projects
- Fall Protection Systems
- Critical Lift Planning
- Shop Drawing & Connections Design
- Pre-Condition & Pre-Construction surveys
- Roof Anchors & Davit Support Design
- Structural Analysis of Permanent or Temporary Structures
- Tower Crane Foundation Design
- Quality Verification Engineering (QVE)
- Structural Erection Plans

OHSA REG 213/91

We can assist with construction engineering requirements relating to OHSA Reg 213/91:

- Access Platforms
- Formworks
- Shoring / Reshoring / Scaffold Design
- Elevating Work
- Hoisting & Rigging
- Mobile Cranes & Tower Cranes



STRUCTURAL/CIVIL ENGINEERING (CONT'D)

CRANE PLACEMENT & FOUNDATION DESIGN

We excel in crane placement and foundation design due to the combination of our civil engineering expertise and expansive knowledge in all types of cranes. Our team of qualified civil engineers understand what's required and will work alongside you to figure out the best options for your project. We will assess foundation reaction forces, soil conditions, and other site-specific factors to develop rock-solid foundation designs.

We will help you raise your crane to new heights:

1. Select the right crane for the job
2. Find the best location for your crane
3. Determine the erection/dismantling process
4. Review bearing capacities and reaction forces
5. Design the crane foundation or pads
6. Integrate tie-back design and determine location
7. Place your crane above grade
8. Design the shoring required to support your crane on slab

OVERHEAD CRANE ENGINEERING & INSPECTION SERVICES

IIA provides expert design engineering and consultation services for the planning and layout of industrial overhead cranes of all types (single girder, double girder, top running and under running). We can supply you with data on the static and dynamic forces generated by an overhead crane operation, including the following:

- Maximum Wheel Load
- Side Thrust Load
- Collision Forces
- Overturning Moments (for free standing overhead crane systems)

These loads are essential and very important factors to consider when performing a proper analysis on all kinds of industrial buildings utilizing overhead cranes. By proper analysis, the design engineer will be capable of assessing the following important structural members:

- Roof beams (in case the overhead crane is an under running, roof-mounted crane)
- Building columns and corbels (or stools)
- Building bracing system
- Building foundation

All other additional loads on the building resulting from the overhead crane supporting structure (i.e. runway beams)

SHOP CRANE SERVICES

IIA also has the capability to custom design and assess the loads generated by existing crane types, including jib cranes, gantry cranes, workstation cranes and monorail systems.

PRE-START HEALTH AND SAFETY REVIEWS (PSR'S/PHSR'S)

Our engineers can perform PSRs on newly installed or newly modified cranes.

FALL PROTECTION EQUIPMENT TESTING

IIA can help your company set up proper fall protection measures to prevent employees from falling off elevated workstations, overhead platforms, and any work at heights. Our engineers can also inspect and recertify your fall arrest system as safe for use after the system has been used to arrest a fall.

Our complete fall arrest engineering system & package includes the following:

- Plan & Elevation Layout
- Anchor Design & Locations
- Proper Installation Instructions
- Lifeline Specifications
- Maximum Persons & Weights

Our engineers and inspectors can also assist with:

- Vertical Life Lines
- Lanyard Arrest Anchor Points
- Developing Rescue Procedures
- Inspection of Fall Protection Systems, Harnesses, Lanyards, etc.

STAGE & ENTERTAINMENT ENGINEERING SERVICES

We engineer solutions for various production companies and art festivals that ensure safety standards are upheld without compromising the aesthetics or functionality of the artist's vision.

Our engineers can help with the design of structures and mechanical systems for performance venues, entertainment productions, unique art exhibits, and more.

IIA can help engineer your project from the concept stage, stage production inspections to final construction. We can assist with any type of structures involving Christie lites, staging, high-strength cables, complex suspension systems, foundations/supports for heavy exhibits, and more.

Whatever the project, we will select the materials, develop the specifications, and establish the construction method needed to make it work.

LIGHT POLE & SIGN STRUCTURE DESIGN SERVICES

IIA provides a complete turnkey solution for the design and fabrication of the following structures:

- Commercial & Highway Light Poles
- Mounted, Suspended, and Free Standing Signs

Our complete engineering package includes an engineered design and shop drawings. Design load calculations consider factors such as wind (including vortex shedding action), seismic, ice, vibration, and fatigue. All designs are done in accordance with relevant codes and standards. Our material expertise includes steel, aluminum, and wood.

Reinforced Concrete Structure Design Services

- Retaining Walls
- Concrete Underground Storage Tanks
- Piles – H-Piles, Concrete (bored or driven)
- Caissons
- Rooftop Engineering (e.g., mechanical units, changes to occupancy)
- Water Treatment Plants
- Building Repairs
- Building Framework Design/Repair
- Parking Garage Design/Repair

CERTIFICATIONS & GUIDELINES

- AASHTO
- ASME
- AWS
- CSA/CWB
- CSA S6
- CSA S16
- CSA W47.1 Division 2
- ISO 9001: 2015 Registered QMS
- ISO/IEC 17025:2005
- ISO/IEC 17065:2012
- OSHA Reg 213/91
- Registered by the Canadian Welding Bureau under CSA W178.1

MECHANICAL ENGINEERING

Mechanical engineering has laid the framework for IIA to grow to the industry leader we are today. Our Engineers use the fundamentals of Engineering to design and modify solutions for an array of challenges. We pride ourselves on our ability to offer our clients practical and ground level solutions for their engineering needs.

IIA offers a wide variety of mechanical engineering services around the following areas: lift equipment, lift planning, machine design and drafting, design validation, finite element analysis (FEA) and fall protection services.

DESIGN & DRAFTING

- Computer Aided Design (CAD) and engineering
- Machine design of shafts, gearboxes, bearing springs and more
- Heavy duty construction and mining engineering design
- Equipment design, modification and CAD conversion
- 2D / 3D drafting and part detailing
- CAD model reverse engineering from photo or sketch

FALL PROTECTION SYSTEMS

- Horizontal Static Lines
- Lanyard Arrest Anchor Points
- Confined Space Rescue Systems
- Rescue Procedure Development
- Fall Arrest

PRE-START HEALTH & SAFETY REVIEWS

- Industrial lift equipment
- Storage racking

FINITE ELEMENT ANALYSIS

- Linear Stress Analysis
- Static Stress Analysis
- Dynamic Analysis
- Fatigue Analysis
- Buckling Analysis
- Vibration, Impact or Drop Test Stress Analysis



DESIGN VALIDATION

PRODUCT DESIGN VALIDATION & REVIEW

Many of our industrial clients have their own in-house product designers and CAD detailers, but lack in-house engineering capability. We can provide an engineering review of your product design to ensure it meets appropriate safety standards and is fit for use.

PRODUCT DESIGN REVIEW & VALIDATION SERVICES

Our experts can assist you with the following tasks:

- Research & recommend appropriate design standards
- Perform required design calculations
- Design certification & design verification
- Finite element analysis (FEA)
- Compliance review
- Load testing & stability testing
- Measure components and develop production-ready drawings
- Develop full 3D CAD sub-assembly and complete assembly drawings
- Optimize designs to save weight, cost, or increase operating capabilities
- Consider alternate materials for design improvements
- Prescribe, witness & document performance tests

PRODUCT TYPES

Products we review include:

- Mining equipment & vehicles
- Lift devices
- Aerial equipment
- Jackstands & racking
- Access platforms (mezzanines, catwalks, etc.)
- General machinery
- Roll-over protection

HAVE EQUIPMENT THAT'S NEVER BEEN PROPERLY RATED?

Our engineering experts can analyze existing lift equipment that's never been rated and provide an accurate load/capability rating and a letter of certification.

MECHANICAL ENGINEERING (CONT'D)

CRANES, LIFTING, LOADING & HOISTING

Our knowledge and history with cranes drive our ability to create innovative solutions when it comes to crane modifications and designs. Examples of this include:

- Crane Mount & Chassis Configurations
- Outrigger Modifications or Additions
- Winch Mount Designs
- Jib and Attachment Designs and Modifications
- Tower Crane Anchor Design
- Tower Crane Transitions Design
- Crane Placements and Tieback Assembly Design
- Self-Erect Tower Crane Stand Design
- Tower Crane Attachment Design

We specialize in all things that lift, load, and hoist (and even some that don't). Our Engineers have extensive experience in design and modification of:

- Lifting Beams & Spreader Bars
- Custom Rigging
- Manbaskets
- Forklift Attachments
- Waste Containers
- Equipment Stands
- Ramps, Bridges, & Platforms
- Lashing/Tie Downs
- Industrial Structures
- Rail & Road Vehicles

ENGINEERED SOLUTIONS FOR FALL PROTECTION

Our Engineers will create customized solutions based on your specific requirements as the standard fall protection systems may not fit your needs. We can design, inspect, and certify the necessary systems to reduce or eliminate the risk of falling including guardrails, fall restraint, fall arrest, and safe work procedures.



STABILITY TESTING

Our team has extensive experience in stability testing and will work with your operator to determine the stability of your equipment. When a crane is installed or modified, stability is a resultant of the truck configuration, the outriggers reach and layout, the tipping moment, and any other mechanical/physical considerations.

We evaluate these variables to provide a load rating for the truck-crane combination. Truck-mounted cranes are required to be stability tested prior to certification. When modifying your equipment, stability testing may also be required.

CUSTOM LOAD CHARTS COULD INCLUDE:

- Partial Outriggers
- Fully Retracted Outriggers
- Custom Outrigger Configuration
- Modified Boom or Jib Lengths
- Hi-Rail Configurations
- Adding Attachments
- Marine List Charts

LIFT PLANS AND PROCEDURES

The benefits of certified lift plans include:

- Plan and prepare the stages of lifting
- Reduce costs by optimizing crane configurations
- Optimize equipment unloading
- Confirm clearances, tolerances, and work zones
- Identify potential issues before starting
- Ensure risks are assessed and managed prior to the start of the job

When working with large lifts requiring multiple cranes, near capacity loads, or unusual rigging we will work with you to plan and engineer all the moving parts. We will ensure that your lift plans are compliant with applicable regulations, codes, practices, and procedures. Our planning services include verification of lift plans, project feasibility studies and full rigging studies, which all help put your mind at ease and ensure that your rigging operations happen safely and efficiently.

METALLURGICAL ENGINEERING

Our metallurgical and material expertise covers multiple industries, applications, and client needs. We provide guidance to our clients as to which testing procedure best suits their requirements. We also assist in developing custom testing procedures to address special requirements. Our team possesses the applied industrial experience, knowledge, and capabilities to provide clear and concise answers.

Our Engineers have experience in determining and specifying the appropriate process for your build, repair, or modification including:

- Material Selection
 - Low Carbon Steels
 - High Carbon Steels
 - Castings (Iron and Steel)
 - Stainless and Non-Ferrous Metals
- Heat Treating and Surface Hardening (Stress Relieving and Annealing)
- Material Chemistry
- Welding Procedures
 - Pre-Heat and Post-Heat
 - Joint Preparation and Distortion Control
 - Electrode Selection (SMAW, FCAW, GMAW)
- Hardness Testing
 - Brinell
 - Rockwell



WELDING & MATERIALS ENGINEERING

IIA is a trusted provider of welding engineering services to a variety of industries, including lift, mining, petrochemical/chemical, pipeline, and metal fabrication (steel and aluminum). Our services include the following:

- Retained Engineer Services for CWB Companies
- Weld Procedure & Data Sheet Development
- Welder Qualification
- Weld Failure Analysis
- Welded Product Design

CODE CERTIFICATION

Prepare specifications to any of the following codes and standards:

- ASME
- CSA / CWB
- AWS
- Validation
- Coordinate testing to validate welding procedures
- Document validation testing
- Provide Welding Procedure Specifications (WPSs) and Data Sheets (WPDSs) required for certification

WELD PROCEDURES

We develop procedures for the following product categories:

- Industrial and heavy equipment
- Pressure vessels and piping
- Pipelines
- Structures

OTHER SERVICES

- Consulting services
- Engineered Weld Repairs
- Metallurgical assessment and failure analysis for mechanical process equipment or welded components
- Codes and standards interpretation

LIFT PLANNING & ENGINEERING SERVICES

ENGINEERED CRITICAL LIFTS & RIGGING STUDIES

Engineered critical lifts help to ensure the safe delivery of any heavy load, and IIA has years of experience doing them. Our services include the following:

- Provide plan, elevation, rigging studies, and matting drawings as required
- Select appropriate cranes based on capacities, accessibility, and availability
- Size up rigging (rigging studies)
- Lift equipment design and custom rigging design
- Specify the crane location(s) and the initial position of the load
- Ensure that outrigger/crawler loads do not exceed soil capacity
- Inspect and certify crane and rigging equipment
- Check boom, load, rigging, and swing clearances during the erection and lifting phases
- Detail the lift sequence, including tandem lifts
- Provide safety precautions related to wind, communications or other site-specific hazards
- Perform pre-start visit to ensure crane and rigging set-up follows lift plan

CERTIFICATIONS & GUIDELINES

- CSA B354
- CSA Z150
- CSA Z248
- CSA C225
- NFPA 1914



CUSTOM LIFT EQUIPMENT DESIGN

Along with our catalogue of pre-engineered lifting products, we design and supply a variety of custom lift equipment to meet your unique needs, including:

- Custom Lifting Beams
- Manbasket and Manbasket Adapters
- Gantry Cranes and Monorails
- Pallet Lifters
- Coil Hooks
- Coil Lifting Frames
- Tongs
- Jib Cranes
- Forklift Booms
- Fork Extensions
- Wheel/Pallet Lifters
- Unique Equipment

CONCERNED ABOUT YOUR EXISTING EQUIPMENT?

Don't scrap it! If you already have existing lift equipment that has not been properly load rated, our team of engineers and inspectors can certify it to ensure it meets local codes and regulations.

ENGINEERED WELD REPAIR PROCEDURES

Has your crane sustained structural damage and you're not sure how to fix it properly? We can engineer a procedure that can help safely prolong the life of your equipment.

SPREADER BEAMS

IIA has a diverse product line of adjustable, pre-engineered, and fabricated on-demand spreader beams and lifting beams. We also inspect and certify spreader beams and lifting beams in accordance with local regulations.



INCIDENT INVESTIGATIONS & EQUIPMENT VALIDATION

When a lift does not go according to plan, or an equipment failure causes an accident, IIA can help you quickly get to the root cause. Our team is prepared to conduct (or oversee) a thorough, unbiased investigation and provide engineering solutions to ensure equipment will not endanger workers. Along the way, we will help you navigate regulatory requirements for accident reporting and resolution.

As a trusted leader in equipment integrity, we are frequently called upon to provide expert witness testimony in legal proceedings. Clients also partner with us for subrogation services that can reduce insurance costs. We bring an eye for detail to every investigation and experience that spans decades and industries.

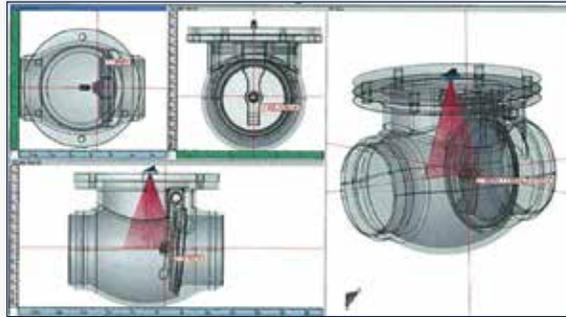
OUR TEAM OF EXPERTS CAN HELP YOU:

- Determine the reasons behind a misadventure or equipment failure
- Meet Ministry of Labour or other regulatory requirements for accident reporting
- Reduce insurance costs through subrogation of accident responsibility
- Expert witness services in court proceedings

CERTIFICATIONS & GUIDELINES

- Certified Professional Engineers
- CWB 178.1 Certified Organization
- CWB 178.1 Level II and III Personnel
- CWB Certified CSA W178.10
- CGSB Certified Level II Personnel
- CSA Z150
- CSA Z151
- CSA B354.7
- CSA B335
- Federal & State Occupational Safety and Health Administration
- ASME B30
- ANSI B56.1
- ASNT Certified Level II and III
- ISO 9001: 2015 Registered QMS
- ISO 20474-5

TECHNOLOGY SERVICES



ARMUT®

Simple & Advanced Manual Encoded Ultrasonic Testing

IIA's ARMUT® technology is the most cutting-edge PAUT examination available today. It's an alternative to conventional manual and encoded track phased array examinations.

PASS®

Accurate Valve Data — Without Disassembly

Valve disassembly is a costly and time-consuming prospect that requires the system to be placed in an at-risk condition. IIA's Phased Array Sectorial Scanning (PASS®) allows for highly accurate valve testing — without disassembly.

AIRIS®

Advanced Inspection of Reactor Vessel & Internals

We understand that time is money. IIA's advanced AIRIS™ inspection method delivers more reliable data while saving plant owners time, trouble and cost.



Making the World Safer



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