

Industry News from our Lab Experts

With spring in full bloom, and more conferences opening up for in-person attendance, the team at IIA is enjoying connecting with colleagues and customers at various industry events, most recently CIM. Next up is the NDT in Canada 2022 Conference May 17-19, and we hope to see many of you there.

Hosted by the Canadian Institute for Non-destructive Evaluation (CINDE), the theme for this year's conference is something we are passionate about at IIA: Inspection Excellence.

We are proud to have one of our own experts on the roster of distinguished speakers at the NDT in Canada conference. Dr. Faramarz Rahiminia will share his insights on the application of NDT in fatigue assessment of steel bridges. In this newsletter, you'll learn how [uniquely skilled professionals like Faramarz allow IIA to provide uncommon quality and creative solutions](#).

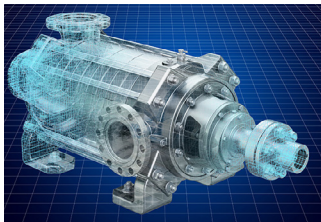
When partnering with an NDT and engineering company, a full-service provider can streamline your project and help you save on administrative costs. As a one-stop shop, IIA's team includes professional engineers representing a variety of disciplines, including structural/civil, mechanical, and welding and materials. In this newsletter, we'll drill down into [mechanical engineering services](#) that may benefit your company.

Read on to learn how you can put our expertise to work for you with [incident investigations](#) and [reverse engineering](#). We bring an eye for detail to every project — and experience that spans decades and industries.

Take a moment to get to know IIA — and let us know how we can be of service to you. And be sure to stop by Booth #617 if you plan to attend the NDT in Canada conference.

Sincerely,
Keith Boshart
Director of Sales

The Ins & Outs of Geometry Recreation (aka Reverse Engineering)



Need to make sure a new part works perfectly with an existing part? Need a duplicate and no longer own or have access to the original models, documents, or drawings? You need reverse engineering.

Also known as geometry recreation, reverse engineering is used to re-create a part, component, or any other object — and it's one of our specialties at IIA. Along with practical applications across industries, reverse engineering is often used in the preservation of historical objects. For example models generated from previous scans have been used to accurately restore the Notre Dame Cathedral in France. Learn more about our [reverse engineering services](#).

Move Your Project Into High Gear with IIA's Mechanical Engineering Services

As a full-service inspection company, IIA offers mechanical engineering services around the following areas: lift equipment, lift planning, machine design and drafting, design validation, finite element analysis and fall protection services. For example, our team can design custom lift equipment and machine parts, conduct feasibility studies and perform fatigue analysis, as well as vibration, impact or drop tests. Learn more about our [mechanical engineering services](#).

Our Experts, Your Solutions



It's one thing to notice a weld defect. But having team members with the knowledge, training, and expertise to notice a defect AND provide

engineered repair methods is a rare thing indeed — and it's helped make IIA a leader.

For example, our engineering team includes a licensed Professional Engineer who has also earned an International Welding Engineering degree and a PhD in Structural Engineering. This individual also happens to be a CWB Level III Certified Weld Inspector and an ASNT-certified Level III NDE inspector. This unique blend of training and expertise is almost unheard of in this industry, but our own [Faramarz Rahiminia](#) is a shining example of the high-caliber talent you'll find at IIA. You can attend his presentation about bridge inspections at the NDT Conference on May 19th.

[Read more](#) about the link between IIA's experts and your solutions.

Get the Answers You Need After an Accident



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. [Learn more](#) about incident investigation and equipment validation services, including subrogation services that can reduce insurance costs.

Customer Testimonial

“Thanks for the fast response to our short notice inspection requests and having trained and knowledgeable inspectors to work with us.”



Let's Connect

We want to hear from you! Let us know about your inspection and engineering needs. Whether you have a quick technical question or need urgent, on-site assistance, we're here for you. Call us at **(866) 514-4937** or complete our [online form](#) and we'll get back to you within 24 hours.

Be sure to follow us on [LinkedIn](#) to learn about the latest tools and techniques we're using to solve our clients' problems and make the world safer.



(866) 514-4937

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