



Electrical & Mechanical Failure Analysis

Forensic Engineering & Equipment Consulting



Electrical Failure and Root Cause Analysis Consulting

Electricity powers the world around us, from critical infrastructure and industrial operations to the devices we use every day. Yet, electrical systems are inherently complex and can pose significant risks to equipment, facilities and people when failures occur.

Envista's experts use industry guidelines and standards to determine precise causes of failures to equipment and facilities to assist our clients to determine coverage, subrogation potential or liability exposure.

Areas of Expertise:

- Electrical Fires
- Electrical Injuries/Fatalities
- Power Surge & Lightning Damage
- Product and Design Defects



Mechanical Failure and Root Cause Analysis

Machinery plays a vital role in our homes, workplaces, and global supply chains. Failures in these systems can result in operational disruptions, property damage, and even personal injury or loss of life.

Envista applies a structured, scientific methodology to mechanical failure investigations. Our forensic mechanical engineers determine what failed, why it failed, and how to prevent recurrence. We also identify any contributing factors and potential liability.

Areas of Expertise:

- HVAC/Boilers Failure Analysis
- Manufacturing Equipment Failure Analysis
- Product Design Failure Analysis
- Rotating Machinery Failure Analysis



Equipment Damage

Equipment damage claims can be catastrophic for policyholders and extremely complicated for insurers to navigate. Our team of global multi-disciplinary equipment damage consultants includes niche subject matter experts, highly specialized equipment engineers, rotating machinery and industrial equipment experts, and mechanical, electrical, and plumbing (MEP) specialists.

Envista's equipment damage consulting experts assess the site as quickly and thoroughly as possible, precisely predicting, inspecting, and communicating potential exposure. We provide an accurate, detailed level of reporting, advice, and consultation to get our clients back in production as soon as possible.

Our experts assist insurance professionals to determine multiple solutions to restore, repair and replace equipment to not only determine the cost to return the insured to a pre-loss condition, but also help limit Business Interruption as needed.

Envista's access to high-resolution digital cameras, IR/thermal cameras, Matterport laser scanning equipment, 4k resolution drone cameras, and high-accuracy measurement software allows for complete, detailed, and accurate documentation of the loss location.

Areas of Expertise:

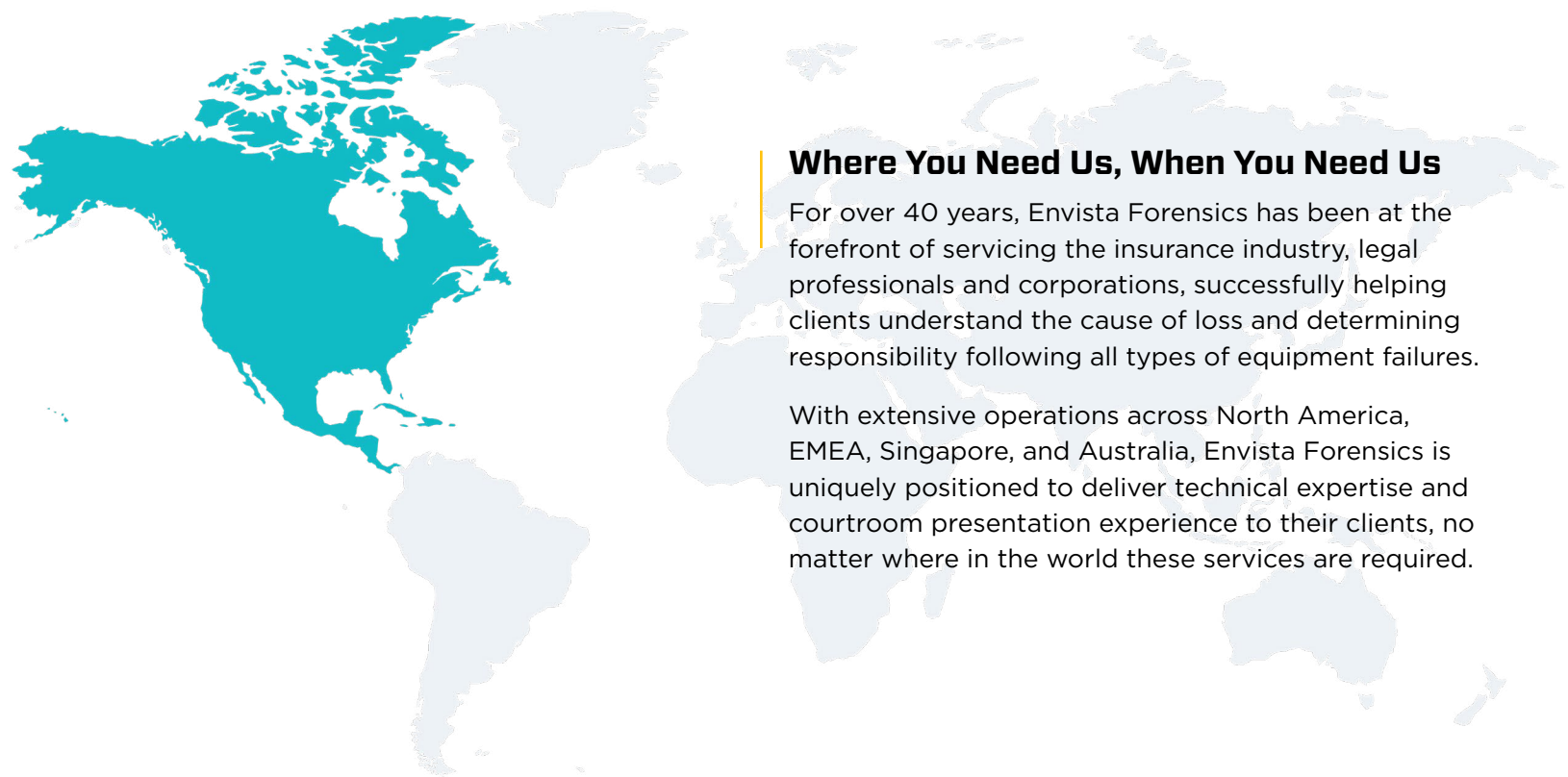
- Building Systems
- Commercial Equipment
- Electronics
- Heavy Equipment
- HVAC
- Industrial Equipment
- Information Technology
- Medical Equipment Consulting
- Scientific and Laboratory Equipment
- Telecommunications

CONTACT US

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Where You Need Us, When You Need Us

For over 40 years, Envista Forensics has been at the forefront of servicing the insurance industry, legal professionals and corporations, successfully helping clients understand the cause of loss and determining responsibility following all types of equipment failures.

With extensive operations across North America, EMEA, Singapore, and Australia, Envista Forensics is uniquely positioned to deliver technical expertise and courtroom presentation experience to their clients, no matter where in the world these services are required.



www.envistaforensics.com

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