

INVESTIGATIVE SERVICES

ANSWERS YOU NEED.
WHEN YOU NEED THEM.



AMERICAN
STRUCTUREPOINT
INC.



Our Investigative Group specializes in investigating and assessing structures in the built environment.

Our in-depth consulting expertise includes specialized knowledge of the design and construction of a wide array of buildings and structures, the materials used to build them, and how and why these structures deteriorate and fail.

Our staff of talented and seasoned structural engineers, civil engineers, architects, fire investigators, roofing consultants, and building enclosure specialists provide industry-leading expertise to tackle your most challenging and time-sensitive facility issues to minimize downtime and keep you moving forward.



FORENSICS

When a building or structure's components or materials perform poorly, suffer damage, or fail, our forensic experts stand ready to quickly investigate and identify the factors contributing to their current condition. Using sound engineering principles, years of experience, and specialized training, we conduct systematic investigations catered to our clients' specific needs. Our technical reports focus on answering the questions identified at the outset of each investigation, with clear descriptions of the concepts involved and the implications for liability. Because American Structurepoint is a multidisciplinary firm, our forensic professionals can call upon in-house civil engineers, structural engineers, architects, transportation engineers, utility infrastructure engineers, IT professionals, and environmental scientists when needed for additional expertise. We are also well versed in producing cost-effective repair designs for the issues encountered.

- » Building enclosure assessments
- » Structural system assessments
- » Water infiltration assessments
- » Building code compliance investigations
- » Construction defect investigations
- » Storm damage assessments (wind, hail, tornado, hurricane, snow/ice, flooding/surge)
- » Earthquake/earth movement damage assessments
- » Blasting and vibration damage assessments
- » Failure and collapse investigations
- » Roof damage assessments
- » Vehicle impact damage assessments
- » Specialty structure assessments

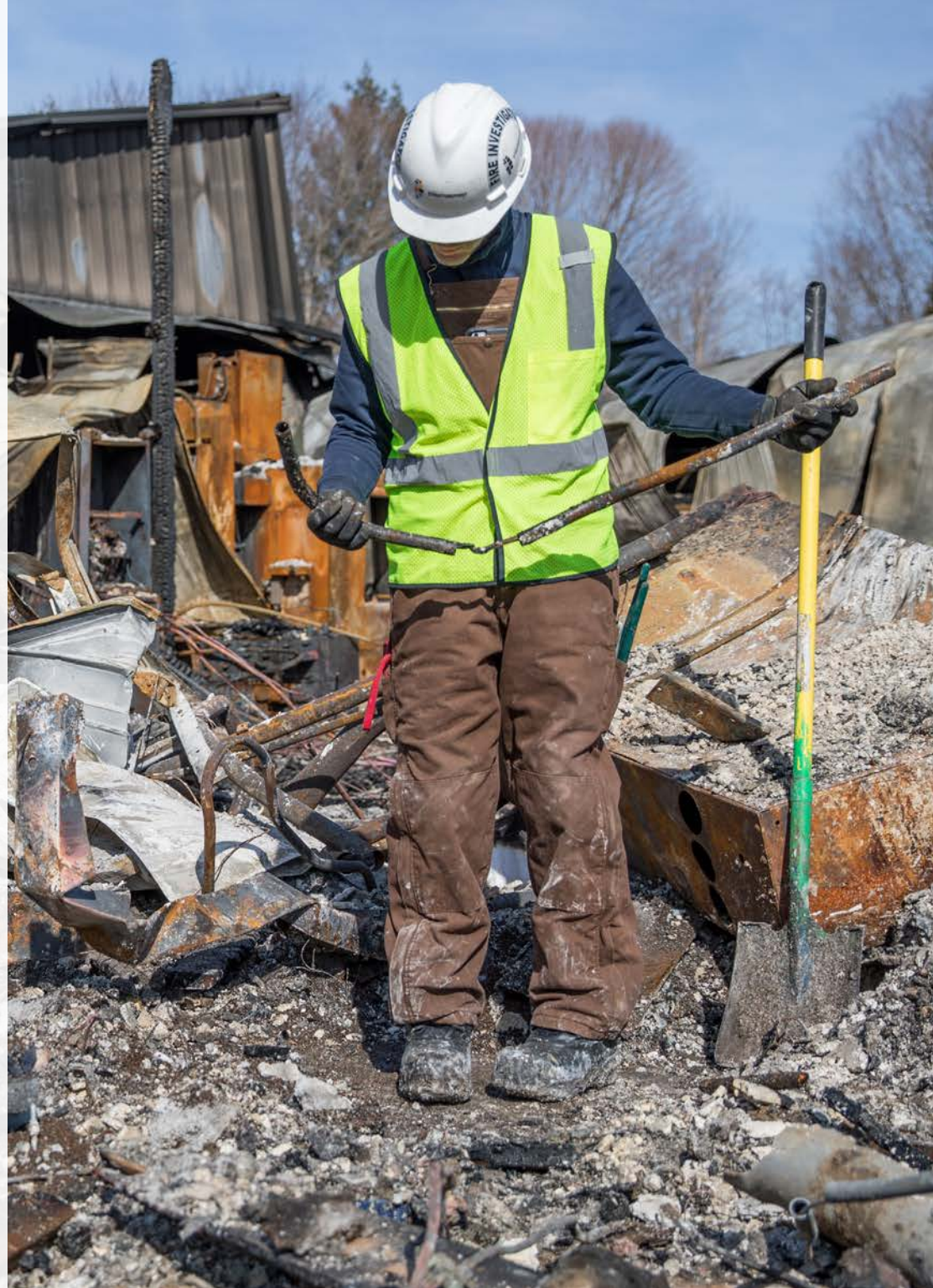
FIRE ORIGIN AND CAUSE INVESTIGATIONS

We thoroughly understand the intricacies of fire and explosions. Our forensic experts are IAAI-CFI®-certified with years of experience and specialized training to manage a fire investigation, from the initial scene evaluation through expert witness testimony in the courtroom.

We take a systematic approach to determining fire origin and cause, using scientific standards established by the National Fire Protection Association NFPA 921, Guide for Fire and Explosion Investigations. You can depend on our investigators' wealth of experience and expertise to confidently analyze any setting - residential, commercial, industrial, vehicular, or agricultural.

We interpret burn patterns, identify fuel sources, and collect and evaluate evidence to provide you with the information you need to make informed decisions.

- » Fire origin and cause investigations
- » Vehicle fire investigations
- » Explosion investigations
- » Determination of liability exposure
- » Subrogation
- » Gas leak and soil contamination investigations
- » Product liability and failure analysis
- » Structural fire damage assessment
- » Harvesting and secure securing storage of evidence
- » Destructive and non-destructive evidence examinations
- » Coordination of laboratory testing
- » Chemical testing of fire debris
- » Expert litigation testimony





LITIGATION CONSULTING

We provide industry experts in a multitude of civil engineering, architectural, and fire investigation disciplines to investigate, review, report, and opine on complex cases. You can rely on us to provide expert assistance for resolving claims and dispute related to liability, design and construction issues, material and structural failures, accidents, fires, water intrusion, and more. Our investigative engineers and consultants also offer expert witness testimony during mediations, appraisals, arbitrations, depositions, and courtroom trials.

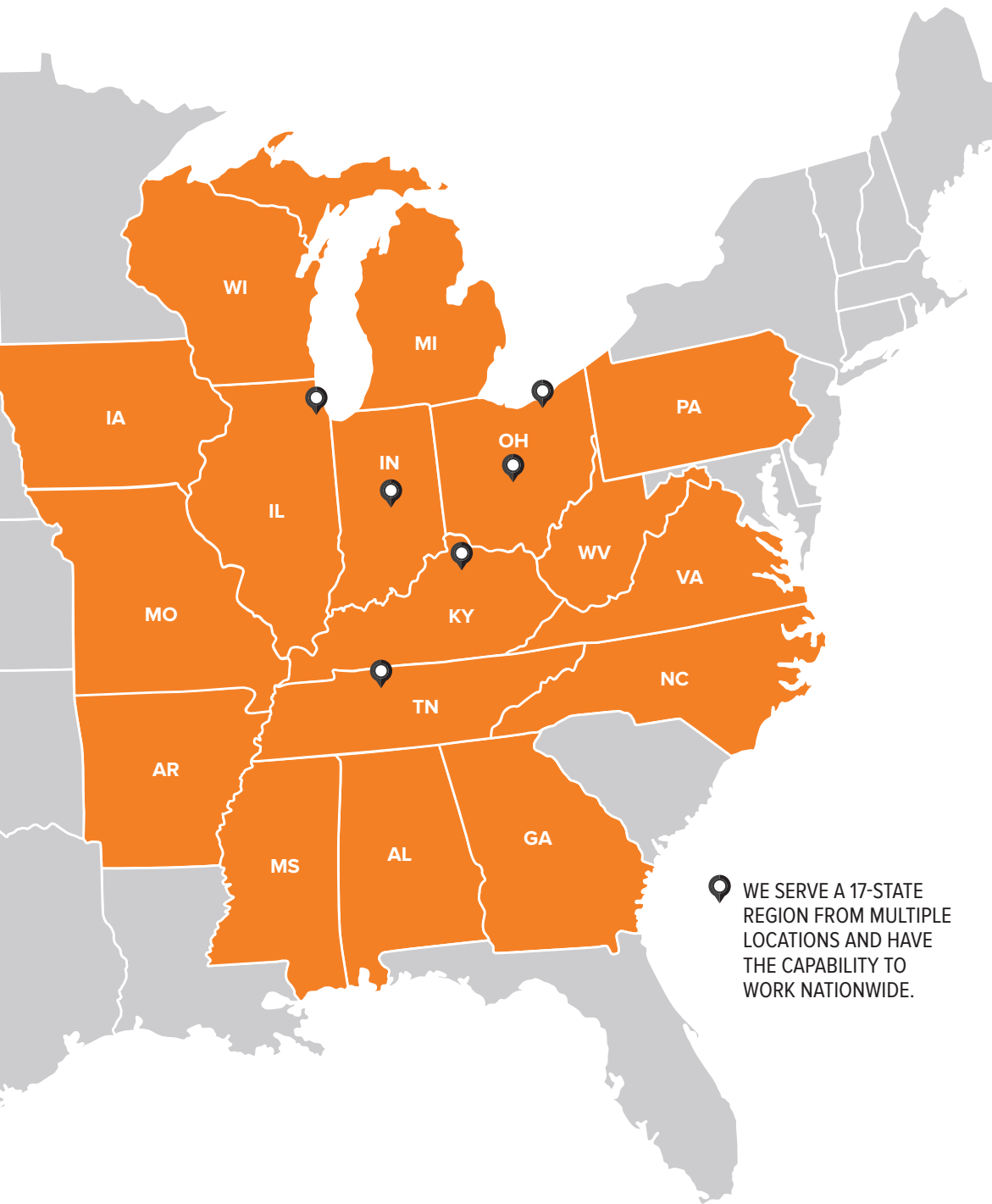
- » Objective third-party review of design documents
- » Forensic investigation of structures, materials, and products
- » Product and premises liability
- » Slips, trips, and falls
- » Construction defects
- » Building code compliance
- » Fire investigations
- » Professional liability
- » Architectural and engineering standards of care
- » Subrogation
- » Litigation support and consultation
- » Unbiased technical reports
- » Medication, litigation, and arbitration support
- » Expert witness and litigation testimony

REPAIR AND REHABILITATION

All facilities and structures experience some combination of wear and tear, deterioration, or damage as they age. Our team of engineers and architects understand how structural and building enclosure components fail and provide tailored solutions to preserve value and extend the service life of structures of all shapes and sizes. We design cost-effective solutions for properly maintaining existing buildings and structures, helping restore historic buildings to their former dignity, and repairing facilities that have suffered damage. Our experts are also experienced forensic and construction defect investigators, so we know what costly mistakes to avoid. We also assist our clients with soliciting and reviewing bids from contractors and provide construction administration services to confirm repairs are properly implemented.

- » Façade and roofing renewal
- » Structural renewal
- » Waterproofing repairs
- » Parking structure repairs/preservation
- » Historic preservation and restoration
- » Repair and rehabilitation design
- » Preparation of construction documents and specifications
- » Construction bid review
- » Construction administration





OUR TEAM

Structural Engineers
Registered Architects
Roofing Consultants
Building Enclosure Specialists
Fire Investigators

OUR SERVICES

Forensics
Fire Origin and Cause Investigations
Litigation Consulting
Repair and Rehabilitation

ADDITIONAL SERVICES

Failure and Collapse Investigations
Water Infiltration Assessments
Storm Damage Assessments
Façade and Roof Assessments
Structural Condition Assessments
Blasting and Vibration Damage Assessments
Earthquake/Earth Movement Damage Assessments
Construction Defect Investigations
Specialty Structure Assessments

Call **855.822.1966**

or submit an assignment at
www.structurepoint.com/investigative

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