

Fire and Explosion Investigation and Testing

The fire investigation division of Engineering Systems Inc., provides you with professional engineers, investigators, and technical support, experienced in the origin and cause of fire and explosion incidents.

Mechanical, electrical, civil, structural and chemical engineers as well as fire investigators, and toxicologist are available for immediate deployment.

We can provide on-site investigations and inspections, documentation, fact gathering including witness statements and canvassing, plus the abilities to collect and store critical evidence.

Should your case go to trial, our staff is experienced in expert testimony.

Origin and Cause

Investigations

Product Liability

Hazardous Materials

Accident Reconstruction

Residential

Commercial

Chemical Plants

Pipe Line

Off-shore/Marine

Storage Tanks/Tankers

Equipment Failure

Vehicles/Airlines

Fire Deaths and Injuries

Sprinkler Systems

Carbon Monoxide

Codes and Regulations

Computer Modeling/Animation

CAD



Fire and Explosion Investigation and Testing

Evidence Recovery and Collection

- Off-site Secure Storage Capabilities
- AIMS System
- Fire Testing
- Mock-Ups
- Fraud Indicators
- Photography
- Flammability Testing
- Odorant
- NG & LPG Systems
- Confined Space
- HAZWOPER
- Subrogation

Court Room Capabilities

- Expert Testimony
- Demonstrative Graphics
- Animation of Process
- Demonstration (fabricated) Equipment
- Specialized Testing



Regulations and Industry Standards

- OSHA
- ASTM
- Building Codes
- CFR Code of Federal Regulations
- NFPA National Fire Protection Association
- Oil and Gas Regulations
- Hazard Reviews
- Root Cause Analysis

Specialty Areas of Analysis

- Gas Dispersion Modeling for explosions and Gas Release
- Failure Analysis of Equipment
- Mechanical
- Electrical
- Structural



Providing Clear Answers Through Insights and Multidisciplinary Excellence

Assignments vary from national disasters to simple evaluations. We address complex issues with a multidisciplinary approach and the sharing of knowledge. Add to that research specialists, laboratories, test facilities, first-class modeling and graphics, and you have the best advice and support available in this industry...right here at ESI.

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