



Technical Expertise • Practical Experience • Actionable Insights

A background graphic consisting of a network of glowing blue and orange nodes connected by thin lines, set against a dark background.

Engineering Consulting and Forensic Investigation

Over our 30-year history, ESi clients have turned to us to help with many of their high stakes and complex claims. These clients know they can rely on us to provide clear answers to their most challenging technical questions.

Our core strength lies in the comprehensive multidisciplinary expertise and practical experience of over 200 technical personnel. With advanced degrees, professional licenses, regulatory expertise, industry knowledge, and claims and litigation experience, ESi's technical staff is uniquely capable of addressing a wide range of projects, regardless of complexity or timeline.

We offer a unique collaborative approach to solving problems that focuses on appropriately staffing each engagement with the best suited subject matter experts. This allows our clients to better leverage the full breadth and depth of knowledge held across our technical practice group members, enabling a comprehensive and efficient investigation.

ESi has served clients on every continent and maintains coast-to-coast office and lab facilities, each with extensive diagnostic, analytical, and physical testing capabilities that allow us to evaluate and test materials, systems and components, from small scale to large scale.

ESi has extensive evidence storage and handling capabilities and facilities designed for hosting multi-party inspections. These facilities are equipped with well-lit inspection areas and documentation tools such as digital stereomicroscopes, Scanning Electron Microscopes (SEMs), and Energy Dispersive Spectroscopy (EDS).

www.engsys.com

AREAS OF SPECIALIZATION

- 3D Animation & Virtual Reality
- 3D Laser Scanning & Scene Preservation
- 3D Printing
- Accident Investigation & Analysis
- Aerodynamics
- Agricultural Equipment
- Aircraft Accident Reconstruction
- Applied Mechanics
- Architectural Investigation
- Automotive Accident Reconstruction
- Automotive Research & Testing
- Aviation
- Biomechanical Engineering
- Building Sciences
- Chemical Engineering
- Child Product Safety
- Civil & Structural Engineering
- Computed Tomography (CT)
- Commercial Structures
- Construction Defects
- Construction Materials
- Consumer Product Safety
- Corrosion Science & Engineering
- Cranes & Aerial Devices
- Crashworthiness
- Data Collection
- Data Visualization
- Design Analysis
- Drilling Operations
- Electrical Codes & Standards
- Electrical Engineering
- Electrical Devices & Machinery
- Energy
- Environmental Science
- Failure Analysis
- Field Testing & Data Acquisition
- Fire & Explosion Investigation & Analysis
- Forensic Accident Strategic Team (F.A.S.T.)
- Forensic Chemistry
- Glass & Ceramic Engineering
- Heavy Equipment
- Heavy Trucking & Commercial Vehicles
- Human Factors & Ergonomics
- HVAC, Refrigeration & Plumbing
- Industrial Equipment Investigation
- Industrial Hygiene
- Industrial Incidents
- Infrastructure
- Injury Analysis
- Intellectual Property
- Laboratory Testing & Analysis
- Machine Design
- Manufacturing Support
- Marine Engineering & Research
- Mechanical Engineering
- Medical Devices
- Metallurgical Engineering
- Pipelines
- Polymers & Composites
- Power Generation
- Power Tools & Equipment
- Product Liability
- Property Loss Investigation
- Railroad Technology
- Recreational Products
- Regulatory & Compliance
- Research & Design
- Residential Structures
- Risk Analysis
- Safety Engineering
- Shock & Electrocutation Hazard
- Software & Controls Systems
- Sound Testing
- Sports & Exercise Equipment
- Statistics & Reliability
- Transportation Engineering & Research
- Visualization & Communication
- Water Resources & Hydrology

**PROVIDING OUR CLIENTS
WITH CLEAR ANSWERS
TO THE MOST DEMANDING
TECHNICAL ISSUES**

