



## **Keystone Engineering Consultants, Inc.**

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Keystone Engineering Consultants, Inc. is a multi-discipline, broad-spectrum firm providing comprehensive and qualified forensic engineering, architecture, scientific, and fire/arson expert services to the legal community, insurance industry, and the public and private sectors. **Our engineers and consultants** are experienced in litigation support, dispute resolutions, and expert witness testimony.

Keystone Engineering Consultants, Inc. has specialized experts from a variety of disciplines, so we are able to provide a full understanding of all aspects for any case we pursue. Our multi-disciplined services include:

### **Accident Reconstruction / Transportation**

Accident reconstruction — autos, trucks, motorcycles, pedestrians; highway design and maintenance; biomechanical analysis of crash induced injuries; product defects; heavy commercial vehicle maintenance and operations; air bag “Black Box” download and analysis; tire failures; vehicle fires.

### **Biomechanics / Biomedical**

Injury causation, medical devices and products, orthotics.

### **Civil / Structural Engineering**

Construction defects, code compliance, roof analysis, foundations, post-damage structural analysis, subsidence, erosion, construction equipment, scaffolds and ladders.

### **Electrical Engineering**

Failure analysis on a wide variety of electrical and electronic equipment, fiber optic and copper communication lines, lightning damage, RF controlled industrial equipment, accidental electrocutions, telephone facility repair review, underground utility repair review, high voltage (7500V) safety, automated controls, cyber and computer forensics.

### **Explosives and Blasting**

Blasting damage studies and investigations, review of blasting programs, evaluation of blasting logs, blasting fumes evaluations, conducting blaster certification training, presentation of blasting seminars.

### **Mining Engineering**

Mine subsidence causes and mitigation, underground mining operation, safety and related equipment, coal preparation plants, mine ventilation, permitting and regulatory compliance, mine ventilation analysis, mine reclamation and AMD control.

### **Premises Liability**

Slip, trip and falls, code compliance, mold, water intrusion, stairs and ramps, parking lots, sidewalks.

### **Sports and Recreation**

Investigate playground accidents and injuries, perform playground safety audits and inspections, review/investigate playground installations, analyze playground layouts and designs, review playground maintenance programs and procedures, develop audit, inspection and maintenance programs, investigate sporting accidents and mishaps and investigate snow sports related accidents.

### **Product Liability**

Design and manufacturing defects, guarding, automation/control systems.

**Our mission:** “We don’t just believe in providing timely, comprehensive and qualified engineering, architectural, biomechanical, scientific and technical investigations for our clients, we stand behind it. These aren’t just words; they’re our promise and commitment to you our clients.”