



Rene Caskanette

Rene is the president of the corporation. He has over 23 years experience as a consulting forensic engineer, starting in fire investigation and expanding into a full range of engineering expertise for property and casualty insurers, and plaintiff and defense counsel. He has appeared as an expert witness many times, and is well published.

Previously, Rene spent 2 years with the Ontario Fire Marshal's Office and 6 years with Factory Mutual Engineering.

Contact Rene at:

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Jeff Udall

Jeff is a professional engineer with a B.Eng. in Mechanical Engineering and M.A.Sc. in Structural Engineering.

Jeff has over 18 years of experience in engineering. He was a structural steel design engineer before becoming a forensic engineer. For the past 13 years he has been investigating building envelope and structural failures, motor

vehicle accidents, pedestrian vehicle accidents, fire investigation, and mechanical failures.

Contact Jeff at:

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Our Other Team Members

Bob Caskanette

Bob is an Environmental Scientist with over 7 years of experience in the field of environmental consulting engineering. Bob specializes in mould, lead and asbestos investigations and abatement, and other hygiene related work; Phase I and II environmental site assessments; and oil spill remediation. Bob is a certified fire and explosion investigator.

Micheka Kostyniuk

Micheka graduated as a Civil Engineer from the University of Waterloo. She specialized in structures and obtained her Structural Certificate at graduation. Micheka's 7 years of work experience has included forensic engineering, environmental engineering, personal injury investigations and transportation engineering. Micheka is a certified fire and explosion investigator. Micheka has testified as an expert witness.

John Morgan

John has a diverse background in civil/structural engineering. He has spent 35 years in practice with experience in wood frame, masonry and steel buildings. He was involved with the building envelope rehabilitation of water damaged condominiums/buildings using his building science knowledge for the building repairs. John has also spent a number of years teaching civil/architectural technology.

Peter Johnston

Over 25 years of engineering experience, starting as a metallurgical engineer in the aircraft industry, Peter has spent 20 years as a forensic engineer. Peter specializes in metallurgy and mechanical failure analysis and is also qualified to handle accident reconstruction and is a certified fire investigator. Peter has given expert testimony in court.

Subhash Chugh

Over 25 years of experience as an electrical engineer, Subhash has worked as a plant engineer, a project engineer in switchgear, and a senior designer of transformers. He investigates electrical problems leading to fire, and injury, and has testified as an expert.

Jim Burgess

Over 45 years of experience as a consulting engineer, Jim specializes in structures, buildings and bridges, using steel, concrete and timber. He has appeared as an expert witness.



Forensic Engineering
Fire and Explosion Investigation
Fire & Building Code Compliance
Personal Injury Assessments



Accident Reconstruction
Failure Analysis
Mechanical, Civil, Metallurgical & Structural Engineering



Property Claim Investigations
Construction Deficiencies
Environmental Services
Product Liability
Expert Witnessing

Fire And Explosion Investigation

Cause and origin, fire spread, damage assessments, and injury analysis are all available.

- Arson,
- Careless smoking,
- Electrical,
- Equipment failure

We will provide the answers you need to deny, subrogate or take other appropriate actions. Did the welding contractor start it? Did the Fire Department allow a rekindle? Would smoke detectors have saved lives? Is there evidence of accelerant? We can provide the answers.



Property Claims

We provide cause assessments, liability investigations, and scope of repairs.

- Building collapses
- Construction deficiencies
- Water damage
- Sewer back-up
- Brick failure
- Roof failures
- Vibration cracking
- Settlement
- Wind and hail damage assessment

We provide structural engineering services for fire damaged buildings, verify code compliance and prepare drawings for building permits.

We have assembled an experienced team of professional engineers to provide forensic engineering services. We work in home offices in Southern Ontario and are prepared to travel anywhere our services are required.

We specialize in forensic engineering for insurance and legal clients. We also provide structural design and analysis services, and environmental services.

Environmental Services

We are experienced in the investigation of the cause of residential fuel oil spills, and the cleanup process. Try us for:

- Oil spill remediation
- Mould assessments
- Asbestos assessments
- Phase I and II environmental site assessments



Personal Injury

We have experience investigating many types of accidents, including:

- Slip and fall investigations
- Diving accidents
- Falls down stairs and from ladders
- Power tool failures
- Playground injuries
- Motor vehicle accident injuries

Failure Analysis

We handle metallurgical, mechanical, electrical, building and structural failures, to determine cause of failure. This can lead to answers on policy coverage, liability, or contributory factors.

- Subrogation
- Class action lawsuits
- Product liability

We have experience working with lawyers, and developing demonstrative evidence for trial.



Accident Reconstruction

We provide reconstructions of many accident types, including car, pedestrian, farm equipment, motorcycle, and snowmobile.

- Night-time visibility studies
- Seatbelt use
- Injury analysis in low speed accidents
- Mechanical failure analysis
- Road design and maintenance analysis
- Third party liability including roadway design deficiencies, construction signage, road markings, or maintenance