

30 Forensic Engineering



Catastrophic Loss Response

RESPONSIVE. FLEXIBLE. DISCIPLINED.

Our team understands that when a major disaster strikes, the need for timely response is critical.

30 Forensic Engineering designs our Catastrophic Loss Response to fit the needs of the reality on the ground. We are committed to the restoration of residences, businesses, and infrastructure. In times of crisis, short-term realities must be considered alongside long-term needs. Our Catastrophic Loss Response approach is to:

- Assess and document the full scope of damage as quickly as possible;
- Provide direction on-site to emergency contractors for structures, systems, and contents;
- Collaborate with contractor teams and provide independent verification and quality control, including cost and scope management, code compliance, and adherence to environmental, health and safety regulations; and,
- Avoid secondary re-work and liability throughout the life cycle of the file.

Whether it's a flood, wildfire, earthquake, or tornado, **30 Forensic Engineering** can deploy multi-disciplinary teams throughout Canada and internationally immediately to support response efforts. We consider it our fundamental purpose to help those in need; it is a privilege to support our communities whenever called upon.

Engineering

- Triage and restoration scopes including smoke/soot cleaning, water damage removals, mould remediation and designated substances abatement
- Development of safe access and material handling protocols
- Infrastructure assessment (civil/structural, mechanical, HVAC, electrical, geotechnical, water/wastewater)
- Oversight and sign-off of remedial contractors' efforts

Logistics

- Rapid deployment
- Certified in Incident Command/Management Systems (ICS/IMS) to easily integrate within overall emergency management program
- Licensed engineers in multiple jurisdictions including British Columbia, Alberta, Ontario, and New Brunswick, who speak multiple languages including French, Spanish, Italian, Chinese, Arabic, and Serbian

Experience

- High Level, AB (wildfires, 2019)
- Williams Lake, BC (wildfires, 2017)
- Ft. McMurray, AB (wildfires, 2016)
- Toronto, ON (flooding, 2015 & 2013)
- Calgary, AB (flooding, 2013)
- Goderich, ON (tornado, 2011)

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Vancouver | (604) 674-1100
Calgary | (403) 208-4545
Toronto | (416) 368-1700
Ottawa | (613) 903-6900

www.30fe.com



Meet Our Team



Jeff Reitsma, PMP, M.B.A., P.Eng.

jreitsma@30fe.com

Vice President & Practice Lead | Multidisciplinary Project Management | Remediation

15 years of experience leading multidisciplinary teams, specializing in engineering and remedial construction administrative services for complex catastrophic losses. Technical expertise in process-mechanical engineering, civil infrastructure, permits and approvals, schedule, cost and quality management, and risk management. Registered with the Ontario Association of Emergency Managers and trained in Incident Command System.



Vito Schifano, P.E., Ph.D., P.Eng.

vschifano@30fe.com

Practice Lead | Geotechnical Analysis and Design

30 years combined academic and industrial experience in consulting, design and construction management and forensic geotechnical engineering. Specialized geotechnical expertise in soft soils and ground technologies, mine tailings engineering, remediation and redevelopment of contaminated land, and traditional geotechnical applications to roads, railways, buildings and dams.



Terrence Holder, B.Eng., M.A.Sc., BSSO, CFEI, P.Eng.

tholder@30fe.com

Practice Lead | Structural and Building Science Failure | Code Assessment

20 years experience in new construction, rehabilitation of concrete structures, and forensic engineering. Extensive experience in construction project management and investigation of structural and non-structural losses, as well as building science and building code compliance, specializing in concrete structures, membrane failures and specification writing. Court qualified as an expert in matters related to concrete.



Tom Pepper, B.Eng., CFEI, P.Eng.

tpepper@30fe.com

Practice Lead | Building and Fire Code Assessment | Structural and Building Science Failure

Over 15 years of building and fire code compliance assessments and construction experience. Extensive experience in construction project management, building inspections, code consulting and forensic engineering. Court qualified as an expert in civil/structural engineering and building codes.



Christopher Ciasnocha, B.A.Sc., E.I.T.

cciasnocha@30fe.com

Senior Associate | Industrial Environmental Projects and Assessments | Remediation

9 years of project management experience, specializing in commercial and industrial projects and assessments. Extensive experience related to all facets of environmental projects from initial assessment, preparation of scopes of work, inspections during construction phases and project closeout.



Grant Elligsen, CRSP, LEED-AP O&M, C-NRPP, CIAQM, P.Eng.

gelligsen@30fe.com

Senior Associate | Health & Safety | Remediation

10 years of project management, leadership and investigation experience, including commercial, retail, industrial and residential properties. Specializing in environmental projects, occupational health and safety assessments, and hazardous materials and designated substance surveys.



Dave Swan

Consultant | Flood Mitigation

35 years of insurance restoration experience with specialized expertise in loss event response, specifically heritage properties, lifting and underpinning compromised structures, wildfire and flood CAT loss events, emergency deployment coordination and contractor prioritization.

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