

# 30 Forensic Engineering

## Multidisciplinary Remediation

### PRECISE. DECISIVE. COORDINATED.

Our multidisciplinary remediation service brings to bear the best that 30 Forensic Engineering has to offer from the assessment phase of a property loss through to emergency stabilization and restoration. Our project teams are custom-built across our business lines to provide a solution that addresses the needs of a particular file—one size does not fit all. We use a talent-to-task approach throughout the lifecycle of a file to deliver an efficient and fulsome response to a loss event.

Our teams are comprised of experts from our environmental, civil-structural, geotechnical, building code, fire, electrical and mechanical disciplines, coordinated internally to deliver the necessary response commensurate with the complexity of the situation, be it a small flood or a large-scale CAT loss.

#### Assessment

- Rapid deployment
- Assessment, documentation and delineation of loss impact
- Review of immediate security, health and safety hazards
- In-the-field instruction and oversight

#### Remediation

- Development of clear scopes of work
- Permits and approvals, coordination with regulators and authorities
- On-site inspection and support
- Project and contract management: costs, scope and schedule

#### Support

- Simplified communication and administrative point of contact
- Coordination with key stakeholders: first responders, contractors, specialty consultants
- Close-out reporting with requisite professional sign-off
- Liaison with downstream activities: subrogation, future risk mitigation

#### 30 Forensic Engineering

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

[www.30fe.com](http://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 | Civil Infrastructure

Over 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.



### **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.



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

tholder@30fe.com

Practice Lead | Structural and Building Science Failure | Code Assessment

Over 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.



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

vschifano@30fe.com

Practice Lead | Geotechnical Analysis and Design

Over 25 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, remediation and redevelopment of contaminated land, and traditional geotechnical applications to roads, railways, buildings and dams.



### **Robert Sparling, B.Eng.Mgt., P.Eng.**

rsparling@30fe.com

Vice President & Practice Lead | Mechanical Failure Analysis | Metallurgical Analysis | Fuel System Failure Analysis | Fractography

Over 25 years experience, including 12 years of failure analysis for aerospace industry. Court-qualified expert witness specializing in design and repair of gas turbine hot system components, welding, brazing, plasma coating, diffusion coating, and other surface treatments, and overall assessment of mechanical and fuel system failures.



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

gelligsen@30fe.com

Senior Associate | 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.

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