

**SERVICES:**

Personal Injury

Electrical

Mechanical

Metallurgical

Civil & Structural

Fire & Explosion

Structural  
Reconstruction

Collision  
Reconstruction

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**Steve Hawken, B.Eng., P.Eng., C.F.E.I., C.V.F.I.**

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**EXECUTIVE SUMMARY**

Steve is one of Arcon's most experienced engineers having investigated more than 2000 fires as the principal investigator in addition to reviewing and supervising 1000's of others as the lead of Arcon's fire investigation division. Incidents investigated include those involving electrical malfunctions, product failures, industrial and manufacturing operations, vehicle and heavy equipment, heating and ventilation equipment, and all manner of incidents and operations to identify the origin and cause of the fire and incident. As part of these investigations, he has provided testimony as an expert on fire investigation and technical electrical issues. Steve's practice includes specializing in the assessment of fires and electrical failures in industrial, commercial and residential losses including production plants, automobiles, heavy machinery & equipment. In addition to his engineering work, Steve is the Vice-President of Arcon and is President of the Canadian Association of Fire Investigators Ontario Chapter 006.

**AREAS OF SPECIALIZED EXPERTISE**

- Heavy equipment fires (mining, forestry, industrial, transportation)
- Passenger vehicle fires
- Commercial equipment failures (heaters, furnaces, chillers, fans, generators)
- Industrial plant – production equipment and electrical failures
- HRV failures and related fires
- Fire suppression system analysis
- Appliance failures and associated fires
- Construction related fires (eg: roofing, welding, electrical, heating systems)
- Electrical equipment repair cost audits

**EDUCATION**

- B.Eng. (Electrical & Electronics), University of Auckland

**QUALIFICATIONS & CERTIFICATIONS**

- Professional Engineer (P.Eng.)
- Consulting Engineer (C.Eng.)
- Senior Forensic Engineer, National Association of Forensic Engineers (NAFE)
- Certified Fire & Explosion Investigator (C.F.E.I.)
- Certified Fire Investigation Instructor (C.F.I.I.)
- Certified Vehicle Fire Investigator (C.V.F.I.)

**PROFESSIONAL ASSOCIATIONS**

- Professional Engineers Ontario
- Consulting Engineers Ontario
- Canadian Association of Fire Investigators
- National Association of Forensic Engineers
- National Association of Fire Investigators
- International Association of Fire Investigators
- National Society of Professional Engineers