



Marcin Barker

CET, CFEI, CVFI

Fire and Explosion Investigator

OFFICE

Edmonton

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CONTACT

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Marcin is a Certified Fire and Explosion Investigator with nearly two decades of experience in engineering and forensic fire investigation. He graduated with honours from the Mechanical Engineering Technology program at NAIT and brings over 10 years of design engineering experience, including advanced proficiency in multiple 3D design platforms and specialized work in hydraulic surface tools for the oilfield industry. Marcin has performed over 700 fire scene investigations, of which 258 were vehicle/equipment fires, and 443 were structure fires.

His work focuses on vehicle and structural fire investigations, providing technical and analytical consulting services to the insurance industry. He is currently awaiting Professional Technologist certification and holds two patents.

EDUCATION

NAIT (Northern Alberta Institute of Technology)

Mechanical Engineering Technology

Edmonton, Alberta, Canada

1992 – 1996

CERTIFICATIONS

- Certified Fire and Explosion Investigator (CFEI)
- Certified Vehicle Fire Investigator (CVFI)

TECHNICAL AFFILIATIONS

- Alberta Society of Engineering Technologists (A.S.E.T.)
- National Association of Fire Investigators (A.F.I.)
- Fire Investigator Association of Alberta (I.A.A.)
- International Association of Arson Investigators (I.A.A.I.)
- Society of Automotive Engineers (S.A.E.)

PROFESSIONAL EXPERIENCE

Fire and Explosion Investigator

OCI Group (Formerly Origin and Cause Incorporated)

Edmonton, Alberta

August 2025 – Current

- Conduct Fire and Explosion origin and cause investigations

Forensic Engineering Technologist & Director

Forentech Consulting Ltd.

2014 – 2024

- Vehicle and Heavy Equipment fire losses
- Structure fire losses
- Technical report reviews and consultation
- Vehicle cybersecurity – theft analysis

Forensic Fire Investigator

Rae-Tech Fire Investigations Ltd.

2014 – 2018

- Vehicle and Equipment fire specialist
- Structure fire origin and cause investigation
- Technical report reviews

Mechanical Engineering Technologist & Partner

Anderson Associates Consulting Engineers Ltd.

2009 – 2012

- Fire Investigation of buildings and vehicles – Origin and Cause
- Motor vehicle accident reconstruction
- Equipment failure analysis
- Building failure and building envelope analysis
- Mechanical testing