Glenn R. Bartlett, P.Eng., CFEI | Electrical/Fire Forensic Engineer

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Professional Summary:

Glenn Bartlett is a well-rounded professional engineer that is solution driven and has a vast array of experience in design in the Commercial, Industrial and Utility sector. Glenn has provided engineering services for Commercial building infrastructure, municipal infrastructure electrical support, terminal station design and retrofit, Industrial electrical solutions, and project management. With several years of field experience, Glenn has a practical hands-on approach to solving problems.

To compliment EFI Global Canada forensic services Glenn is undergoing extensive training in the field of Fire Origin and Cause Determination. His strong Electrical background and training in Electrical Failure Analysis and Root cause determination make him a solid and diverse resource that clients can depend on for accurate and practical solutions.

Project Experience:

- Provide comprehensive examinations of structures, vehicles, and machinery which have experienced a failure or have been involved in a fire to determine the origin and cause of the fire/failure. These services also include complete file reviews and analysis of data provided by other experts to identify any omissions or inaccuracies.
- Provide services in the field of Electrical Engineering Deisgn, including failure anlaysis, analysis and root cause of damaged electrical systems, commercial and industrial system analysis and design, and electrical system upgrades.
- Specialize in electrical system upgrade and retrofit design, in order to upgrade or rehabilitate existing systems.

In addition to Forensic Engineering Services, responsibilities include the following:

- Provide professional engineering services in the area of Electrical systems design, layout, and engineering approval. This includes panel design and review, Voltage drop verification, electrical wire sizing, generator sizing and retrofitting, service entrance design and refit, and industrial solutions to power issues.
- Perform electrical failure analysis for electrical systems in order to determine the root cause of a failure and provide feedback for design modifications for commerical and industrial clients.
- Coordinate with various engineering disciplines to design, manage and install various types of electrical equipment, including but not limited to: terminal station high voltage equipment; Commercial and industrial service entrance and switchgear; Motor Control

Centres; Generator installations; and other commercial and industrial electrical equipment installation and comissioning.

Career Development:

On-Site Fire Investigation Training EFI Global, Charlotte, North Carolina	Oct 2-7, 2022
Engineering Law and Ethics PEGNL, St John's, NL	December 11, 2020
Project Management PMI Bootcamp – Online Course PMI Trainer.net	March 1 – 28, 2019
Defensive Driving Drivesafe NL	May 15, 2018,
COR OHS Lead NLCSA, St John's, Newfoundland	February 6, 2017,
Lightworks Light Academy Philips, Toronto, Ontario	July 14 – 17, 2016
Revvit 3D Design - Webinar SNC Lavalin	April 29, 2015

Failure & Fire Investigation Courses:

IAAI CFITrainer.net Training Modules — September 2022 – October 2022

- Basic Electricity (9/7/2022)
- Critical Evaluation and Testing of Commonly Reported Accidental Causes (9/11/2022)
- Digital Photography and the Fire Investigator (9/12/2022)
- Fire Chemistry (9/9/2022)
- Fire investigator Scene Safety (9/14/2022)
- Emerging Technologies in Fire Investigation (9/27/2022)
- Documenting the Event (9/7/2022)
- Introduction to Evidence (9/27/2022)
- Fire Flow Analysis (9/12/2022)
- Explosion Dynamics (9/8/2022)
- Charting Your Career Path In Fire Investigation (9/6/2022)
- Effective Investigation and Testimony (9/7/2022)
- Ethics and the Fire Investigator (9/7/2022)
- Explosion Dynamics (9/8/2022)
- Fire flow Analysis (9/12/2022)
- Fundementals of Interviewing (9/14/2022)
- Insurance and the Fire Investigation (9/21/2022)

Professional Experience:

Forensic Engineer — September 2022 – Present
EFI Global

Electrical Project Engineer/Project Manager — March 2018 – December 2021
NL Hydro

Electrical Design Engineer — May 2014 – March 2018
SNC Lavalin

Electrical Reliability Engineering Co-op — Sept – December 2013
Syncrude

Electrical Engineer Student — Jan – May 2013
Dept. Transportation and Works, NL, Special Projects Div.

Education:

- Bachelor of Engineering (Electrical), Memorial University, St John's, Newfoundland

Affiliations:

- Engineers Nova Scotia (formerly APENS – Association of Professional Engineers of Nova Scotia)
- IAAI (International Association of Arson Investigators)
- IAFI (International Association of Fire Investigators)
- NAFI (National Association of Fire Investigators)
- Professional Engineers & Geoscientists Newfoundland & Labrador