



STEVEN PIETROPAOLO, P.E., CFEI, CFII, CFC, CFPE
LGI Forensic Engineering



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QUALIFICATIONS & SERVICES: Steven Pietropaolo is a Certified Fire and Explosion Investigator (CFEI), a Certified Fire Investigator Instructor (CFII), a Certified Forensic Consultant (CFC), and a Certified Forensic Professional Engineer (CFPE). He is Board Certified in Forensic Engineering and is a Fellow with the American College of Forensic Examiners Institute (FACFEI). He has over 29 years of hands on engineering experience including electrical, mechanical, materials, safety, fire protection and construction. He has extensive knowledge of codes and standards used in construction and industry including building codes, safety codes and industrial codes. He has provided safety engineering consulting services to manufacturers, construction companies, and retailers. His expertise is in the field of forensic investigations of product defects, fires/explosions, accidents/injuries, building failures, and electro/mechanical system failures. He has extensive experience in Utility Company procedures/equipment and investigating major incidents involving electrical, gas, steam system failures, and construction accidents. He has testified as an expert witness many times in cases in New York, New Jersey, Connecticut, and Federal Courts. He has been retained on numerous large multimillion-dollar property damage cases as well as fatal accidents, fires/explosions and other grave injury matters.

EDUCATION:

MANHATTAN COLLEGE, School of Engineering, Riverdale, NY
Master of Science in Mechanical Engineering – May 1999
Bachelor of Engineering in Electrical Engineering – September 1987

PROFESSIONAL REGISTRATIONS:

LICENSED PROFESSIONAL ENGINEER in CT, DC, DE, FL, IN, MD, ME, NH, NJ, NY, PA, VT

CERTIFICATIONS:

Certified Fire and Explosion Investigator (CFEI) 2010
Certified Fire Investigation Instructor (CFII) 2012
Certified Forensic Consultant (CFC) 2016
Fellow of the American College of Forensic Examiners (FACFEI) 2016
Board Certified in Forensic Engineering

PROFESSIONAL DEVELOPMENT (BY SUBJECT):

Fire/Explosion Science and Investigation
Building Science and Investigation
HVAC/ R, Mechanical Engineering, Plumbing Engineering & Fire Protection Engineering Electrical Engineering
Safety & Human Factors Engineering
Failure Analysis, Materials Engineering & Product Liability
Construction, Building Codes, Structural, Geotechnical & Environmental Engineering
Consulting, Ethics & Expert Witnessing

PROFESSIONAL EXPERIENCE:

LGI Forensic Engineering, P.C., North White Plains, NY 1999 to present
President & CEO/Forensic Engineer

- Provide engineering services to insurance companies, Utility Companies, and attorneys throughout the Northeast and Mid Atlantic states. Consultant on defense and plaintiff litigation including extensive involvement in property loss subrogation, property damage, product liability/warnings, construction defects, and personal injury cases including slips/trips/falls, construction accidents, sports/recreational accidents, equipment accidents, and machine accidents.
- Conduct site inspections to evaluate HVAC, plumbing, electrical, fire protection and boiler systems, gas and oil burners, appliances, machinery, mold, indoor air quality, underground fuel storage tanks, structural and construction issues. Provide opinions regarding fire, accident and loss cause. Perform accident reconstruction services on cases. Determine compliance with OSHA, ASME, ASTM, ASHRAE, ANSI, NFPA and building codes.
- Perform forensic engineering and prepare detailed expert opinions on findings with accompanying photographs. Conduct destructive and non-destructive laboratory analyses. Test mechanical, plumbing and electrical systems to determine defects. Examine construction for failures and defects in workmanship and product quality. Expert testimony on cases.