



CURRICULUM VITÆ

PAUL MAROTTA

“Dr. Paul Marotta is an exceptional mechanical engineer who brings a wealth of expertise to product and premise liability cases, making him an invaluable asset for providing insights and expert opinions in cases involving product defects, negligence, or inadequate safety measures.”

Ph.D. Mechanical Engineering

M.S. Mechanical Engineering

B.E. Mechanical Engineering

B.S. Applied Mathematics

Licensed Professional Engineer in New York and New Jersey

1. BIOGRAPHY

Dr. Marotta serves as a Lead Mechanical Engineering Expert, offering a wide range of consulting and advisory services. His expertise is sought after in various domains, including transportation, product and premise groups, where he provides engineering examinations to support their needs. His services include conducting Preliminary Mechanical Engineering Assessments to identify the strengths and weaknesses of evidence and expert opinions. He is adept at Accident and Injury Analysis, where he applies his extensive knowledge of mechanical engineering principles to reconstruct the events leading to accidents or injuries. Dr. Marotta also prepares Expert Reports on findings, detailing his analyses and conclusions in a clear, concise, and accessible manner. His ability to explain complex engineering concepts in an understandable way makes him an effective communicator for the courtroom.

Dr. Marotta has an advanced understanding of nuclear engineering design. His proficiency spans areas such as transient and accident reactor performance analyses, thermal/hydraulics, structural integrity, brittle fracture, and heat transfer. Notably, he contributed to the safety aspects of advanced reactor design, including HAZOP and FMEA analyses, and recently designed and tested a Molten Salt Sampling System.

Dr. Marotta is recognized as a technical expert in biological wastewater treatment and air pollution control, having served as the Technical Director at AquAeTer Inc. for 19 years. His work in this area contributes to effective pollution control and sustainable water management. His expertise extends to air emission estimates, air permitting, air modeling, and ambient air monitoring.

Dr. Marotta is an experienced professional with a rich academic background and extensive industry experience, making him an invaluable asset in product and premise liability cases. His multifaceted background encompasses project management, research, and development (R&D), system design, and manufacturing facility management. He holds a Ph.D. in Mechanical Engineering from the University of Tennessee which he obtained in 2012. His academic pursuits include a dissertation focused on high-temperature nuclear technology, where he made significant contributions by increasing the Light Water Reactor (LWR) output steam temperature from 300°C to over 600°C, thereby directly impacting reactor efficiency and power generation. In his professional career, Dr. Marotta has served as a Senior Associate at Hazen and Sawyer, supporting projects for the municipal infrastructure market and the development of industrial markets. He also served as an Adjunct Assistant Professor at the University of Tennessee for two years, teaching graduate-level thermodynamics and heat transfer in Mechanical and Aerospace Engineering.

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