John P. Gilewicz, P.E., CXLT | Managing Principal Engineer

165 Ledge Stret, Nashua NH 03060
Field Office: Dalton, MA 01226
Cell Phone: (413)351-1429
John.Gilewicz@efiglobal.com

Professional Summary:

John is a licensed Professional Engineer in multiple jurisdictions throughout the United States. Prior to joining EFI, John owned and operated his own consulting firm, specializing in the design, construction, and forensic analysis of a wide array of structures and facilities. During the more than 20 years of managing his company, he was responsible for the design of more than 15,000,000 square feet of commercial, retail, and institutional space. In addition, John has provided extensive Structural Analysis and Design services to a wide array of Fortune 500 companies across the United States, Canada, and Mexico including Alcoa Aluminum, General Motors, Anheuser Busch, and Delphi.

John has also provided engineering services to various governmental agencies including the U.S. Army Corps of Engineers, the United States Navy, and NASA.

John's work often involved the design of complex systems and facilities including large scale industrial foundations and framing for manufacturing and process equipment requiring dynamic analysis. This work included the in situ dynamic analysis of large complex foundations as well as the investigation of failed foundations and the design of their repairs.

Since joining EFI, John has performed more than 1,000 forensic investigations for all types of structures including single family homes, commercial structures, and industrial facilities. This work has included providing expert witness testimony and depositions in New York, Massachusetts, Maine, and Rhode Island.

He is a member of the American Society for Testing and Materials (ASTM), the American Society of Civil Engineers, the National Academy of Forensic Engineers, and the American Wood Council. He is also a voting member of ASTM committees.

John has specialized in the detailed analysis of Slip, Trip and Fall claims. He is a Certified Tribometrist and has provided extensive code analysis based on current and historic codes. In addition, he is also a Certified Infrared Thermographer and an Unmanned Aerial Vehicle Operator, licensed by the FAA.

Areas of Expertise:

- Slip and Fall investigations.
- Trip and Fall investigations.
- Code analysis.
- Analysis, design, and repair of large foundations.
- Design of wood, timber, and masonry framed structures.
- Construction failure investigations.

Licenses and Certifications:

Professional Engineer, Connecticut, #21194

Professional Engineer, Florida, #81453

Professional Engineer, Maine, #14302

Professional Engineer, Massachusetts, #33699

Professional Engineer, New Hampshire, #15133

Professional Engineer, New York, #068208

Professional Engineer, Pennsylvania, #PE05069

Professional Engineer, Rhode Island, #0011917

Professional Engineer, Vermont, #18.0115148

Professional Engineer, Illinois #062-052741 (inactive)

Professional Engineer, Michigan, #43447 (inactive)

Professional Engineer, Minnesota, #26664 (inactive)

Professional Engineer, Ohio, #E-63218 (inactive)

Professional Engineer, Wisconsin, #33212 (inactive)

National Engineering Registration, NCEES, 17-419-63

Certified Excel Tribometrist, 2016 - current

Certified BOT 3000E Tribometrist, 2023 – current

Certified ASM 925 Tribometrist – 2023 - current

Certified Infrared Thermographer (2020) - current

FAA Part 107 Small Unmanned Aircraft Systems (sUAS), Remote Pilot Certified - current

Project Experience:

Slip, Trip and Fall Investigations, Multiple Jurisdictions
Investigated slip, trip, and fall claims throughout the eastern United States to evaluate walkway surfaces for code compliance and walkway safety. Work included evaluation of floors, stairs, railings, landings, and lighting.

Starrag Milling Machine Foundations, Philadelphia, PA
Foundation Designs
Designed numerous foundations to support large scale milling machines used to manufacture ship propellers. Work included the design of pile foundations.

Anheuser Busch, Multiple Locations
Dynamic Analysis of machine foundations
Failure analysis of machine foundations supporting high speed manufacturing equipment. Work included dynamic analysis, determination of failure mode, and design of repairs.

National Aeronautics and Space Administration & Lockheed Martin
Design of Mobile Launch Mock-up Platform
Designed mockup of a portion of the existing Mobile Launch Platform used at Cape Kennedy. Used for test validation of launch components for Atlas V rocket system.

Construction Failure Investigation
Failed City Municipal Sewer Lines, Portland, ME
Investigated origin and cause of the failure of newly constructed municipal sewer lines.

Court Qualifications/ Depositions:

Litigation CV available upon request.

Professional Experience:

2024 - Present: EFI Global, Managing Principal Engineer
2020 - 2024: EFI Global, Principal Engineer
2018 - 2020: EFI Global, Senior Forensic Engineer/Team Lead
2014 - 2018: EFI Global/Unified Investigations and Sciences – Senior Forensic Engineer
1990 - 2015: Parker Bay Engineering, President
1985 - 1990: Structures Engineering, Chief Structural Engineer

Specialized Education:

"Human Factors in Walkway Safety", ASTM 2024
"Slip, Trip, and Fall Investigations", EFI Global, 2024
"Contract Negotiations", ASCE, 2023
"Coastal Construction", CED Engineering, 2022
"Coastal Construction - Retrofitting Buildings", CED Engineering, 2022
"Coastal Construction - Maintaining Buildings", CED Engineering 2022
"Coastal Construction - Pre-design Considerations", CED Engineering, 2022
"Coastal Construction - Designing the Envelope", CED Engineering, 2022
"Wood as an Engineering Material", PDH Academy, 2022
"*Building Science Fundamentals*" BSC, 2021
"*Laws and Rules for Florida Professional Engineers*", PDH Academy, 2021
"*Ethical Practice for Florida Engineers*", PDH Academy, 2020
"*Introduction to the Seismic Design of Non-Building Structures*", ASCE, 2019
"*Conducting Failure Analyses of Metallic Materials*", Suncam, 2018
"*Determining Negligence in Engineering Failures*", PDH Academy, 2018
"*Evaluation of Existing Structures*", PDH Academy, 2018
"*Fire Safety of Wood Construction*", PDH Academy, 2018
"*Mechanical Engineering Principles and Practice",* Sam-Train, 2018
"*Repair Techniques for Metal Plated Wood Trusses – Parts 1-3*", Suncam, 2018
"Residential Roof Inspections", Haag, 2017
"*Commercial Roof Inspections",* Haag, 2017

Education:

Bachelor of Science in Civil Engineering, Columbia University in the City of New York; New York, NY; 1981.

Affiliations:

- *Member, American Society for Testing and Materials (ASTM); voting member for Committee F13, Walkway Safety.*
- *Member, National Academy of Forensic Engineers*
- *Member, American Wood Council*
- *Member, National Society of Professional Engineers*

Courses Instructed/Guest Lecturer:

- *"Slip, Trip, and Fall Claims and Investigations"*
- *"Slip and Fall Investigations", Kentucky Claims Association*
- *"My foundation is cracked – What should I do?"*
- *"House construction from the ground up"*
- *"Making Assumptions without a proper investigation."*

Publications and Presentations:

Goudarzi, Kevin; Gilewicz, John; and Ricchio, Peter: *"Alkali Aggregate Reactivity"*; EFI Global Commentary Paper, 2024.

Gilewicz, John: *"Body Makers: Reducing Downtime and Costly Repairs";* Can Tech Magazine, 2009