

JOHN BATAVICH, P.E., CFEI, CVFI, CFPS, LC

Vice President



Summary

John Batavich joined Thornton Tomasetti in 2026 with over twenty years of experience in the design and specification of electrical systems and forensic electrical engineering investigations. John has functioned as the electrical engineering design lead and / or electrical engineer-of-record for commercial, educational, healthcare, high-rise, industrial/wastewater and transportation projects in which he designed electrical distribution systems, lighting systems and fire alarm systems. His forensic experience includes construction defects, lightning/surge validation, scope repairs for fire-damaged, water-damaged, and/or wind-damaged buildings, electrical causations of building fires and vehicle fires, electrical injuries, lithium-ion batteries and product liability.

Areas of Technical Expertise

- Electrical Engineering and Design
- Forensic Electrical Engineering
- Property Loss Consulting

Education

- B.S., Electrical Engineering, 2012, University of South Florida
- A.A.S, Computer Information Technology, 2002, State College of Florida

Registrations

- Licensed Professional Engineer in AL, FL, GA, IN, KY, LA, MS, NC, OH, PA, SC, TN
- Certified Fire and Explosion Investigator (CFEI)
- Certified Vehicle Fire Investigator (CVFI)
- Certified Fire Protection Specialist (CFPS)
- Certified Marine Electrical Advisor
- Lighting Certified (LC)

Professional Activities

- Member, American Boat & Yacht Council (ABYC)
- Member, Institute of Electrical and Electronics Engineers (IEEE)
- Member, Institute of Electrical and Electronics Engineers (IEEE) Power & Energy Society
- Member, Institute of Electrical and Electronics Engineers (IEEE) Power Electronics Society
- Associate Member, National Academy of Forensic Engineers (NAFE)
- Member, National Association of Fire Investigators (NAFI)
- Member, National Society of Professional Engineers (NSPE)

Select Project Experience

Electrical Engineering and Design

Hanna Avenue City Center, Tampa, FL.* Lead electrical design engineer for a 161,000 square foot office. The project included a parking garage, fleet maintenance building, facility personnel building, and a central energy plant. Electrical design included a centralized uninterruptable power supply (UPS) and lightning protection systems.

AMLI Midtown Miami, Miami, FL.* Electrical design for two high-rise apartment buildings totaling approximately 700 units.

USF Morsani College of Medicine and Heart Institute,

Tampa, FL.* Successor electrical EOR and lead electrical design engineer for a 395,000-square-foot facility containing an auditorium, medical clinics, research laboratories, and teaching classrooms. Electrical design included a centralized uninterruptable power supply (UPS), fire alarm system, lightning protection system and smoke control system.

Brightline, Miami, FL.* Electrical engineering for a 3,000,000 square foot complex comprised of a train station, residential spaces, commercial spaces, and retail spaces. Electrical design included a medium-voltage distribution system and color-changing lighting control system.

Forensic Electrical Engineering

Structure Fire, Clearwater, FL.* First-party expert representing the owner of a substance abuse rehabilitation facility. Services included loss site and laboratory inspections of evidence, a review of the appliance manufacturer's installation literature, a review of other supporting documentation, and a verbal report of findings. The loss amount exceeded \$1M.

The BLVD, Sarasota, FL.* First-party expert representing the condominium association for a newly-constructed high-rise condominium. Services included loss site inspection of evidence, review of electrical construction drawings and production of a written engineering report.

*Denotes work performed with previous employer.

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Electrical Appliances, Devices, and Other Products, (multiple locations). * Third-party expert representing parties involved in the distribution, sale, or manufacture of air fryers, children's ride-on toys, desktop PCs, microwaves, power strips, refrigerators, televisions, and other items for which injuries and/or property damage (including fire) were alleged. Services included laboratory inspections of evidence, product research, and a review of other supporting documentation.

Heating Products, (multiple locations). * Third-party expert representing parties involved in the distribution, sale, or manufacture of electric heating blankets, electrically-heated clothing, and other heated products in which injuries and/or property damage were alleged. Services included laboratory inspections of evidence and product research.

Lithium-Ion Based Products, (multiple locations). * Third-party expert representing parties involved in the distribution, sale, or manufacture of lithium-ion based products in which injuries and/or property damage (including fire) were alleged. Services included laboratory inspections of evidence, product research, and a review of other supporting documentation. Products include, but are not limited to, the following: landscape lighting fixtures, laptops, lead acid to lithium-ion conversion kits for golf carts and vessels, power banks, power tools, tablets, toothbrushes, wireless speakers.

Saint Anthony Coptic Orthodox Church - Lightning Validation Claim, Maitland, FL. * Claimed damages were comprised of AV equipment, a fire alarm system, and IT equipment. Services included a loss site inspection of evidence and production of a written engineering report.

RD IMV Owners, LLC - Surge Validation Claim, West Palm Beach, FL. * Claimed damages were comprised of eight (8) VFDs. Services included a loss site inspection of evidence and production of a written engineering report.

Property Loss Consulting

SCP-EAM Holdco, Jesup, GA. Assessment to determine extent of fire and water damage to electrical equipment and systems at a manufacturing facility.

Fire-Damaged Structure, Plant City, FL. * Scope of electrical damages and suggested repair protocol for a fire loss that occurred within an industrial facility. The electrical loss amount exceeded \$500,000. Services included a loss site inspection of evidence, production of a written engineering report, and production of an electrical cost estimate.

Theft/Vandalism, Warner Robins, GA. * Scope of electrical damages and suggested repair protocol for a restaurant whose electrical distribution system and building automation system/building management system suffered from theft and vandalism. Services included loss site inspection of evidence, research, and production of a written engineering report.

Lands End of Perdido Key Condominiums, Pensacola, FL. *

Scope of damages and suggested repair protocol for a Hurricane Sally loss that occurred within a mid-rise condominium. Services included a loss site inspection of evidence and production of a written engineering report.

Tallahassee Memorial Hospital, Tallahassee, FL. * Scope of electrical damages and suggested repair protocol for a water loss that occurred within a central energy plant as a result of a pressurized steam system failure and subsequent sprinkler head activation. The electrical loss amount exceeded \$2M. Services included a loss site inspection of evidence, a review of supporting financial documentation, and production of a written engineering report.

Sworn Testimony

Deposition, Pin High Holdings, LLC vs. Benco Dental Supply, Co. regarding a structure fire. May 2024.

Deposition, Tracey Reeves vs. Sea World of Florida, LLC d/b/a Discovery Cove, Sunbeam Products, Inc., and U.S.A. Hospitality, Inc. regarding an alleged electrical injury. January 2024.

Select Papers, Lectures and Publications

EFI Global Commentary Paper, "Building The Future: Navigating the Perils of Constructing a Semiconductor Fab," 2023.

CONTACT

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