

**CURRICULUM VITAE
OF
WILLIAM P. “TED” THORWARTH, P.E.
CONSULTING ENGINEER**

**ELECTRICAL, MECHANICAL and AVIATION INVESTIGATIVE ENGINEERING
ENGINEERING FORENSICS, INC.**

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Compendium

Mr. Thorwarth has a broad background spanning multiple areas including engineering investigations of electrical and mechanical system, appliance and device failures, aircraft accident investigations, damage assessment, aircraft maintenance and flight operations.

Academic Background

Bachelor of Science, Electrical Engineering, University of Maryland, 1975

Registration

Registered Professional Engineer, State of Maryland, License No. 28435

Areas of Expertise

Electrical and Electronic Systems and Appliances	Aircraft Maintenance
Mechanical and Gas Fired devices	Aircraft Flight Operations
Radar Systems	Batteries
Tools and Machinery	HVAC and Refrigeration
Engines and Generators	Building Construction
Electrical Distribution Systems	Pump Systems

FAA Certification

Airframe and Powerplant Mechanic
Airline Transport Pilot, Type Rated CE500
Flight Engineer, Turbojet Rated (Boeing 727)
Flight Instructor-Airplanes and Instruments, Single and Multiengine

Professional Work History

Investigative Engineer and President, Engineering Forensics, Inc., Engineering investigations of electrical and mechanical systems, appliance and device failures, aircraft insurance loss investigations, aircraft damage assessment and aircraft maintenance. 2002 to present. Corporation founded in 1987.

Senior Electrical Design Engineer, Radar Transmitter Design & Development, Defense Electronics Systems Group, Westinghouse Electric Corporation, 1981-1991. Responsible for transmitter design engineering system support for E3 AWACS Radar Transmitter and APG 66/68 Fire Control Radar Transmitter.

Airframe and Powerplant Mechanic, 1991 to present.

Avionics Specialist, repair and installation of aircraft electronic equipment, Baltimore Avionics Company, 1976-1977.

Professional Pilot, employed by many commercial operators and corporate entities. Extensive flight experience as pilot carrying passengers and freight and in engineering flight test operations. Types of aircraft include Lear 23, 25 and 35, Cessna Citation 500, North American Sabre 40, Beechcraft King Air, Baron and numerous other Beechcraft models, Piper Navajo, Aztec, Seneca, Twin Comanche and numerous other Piper models, Cessna 421, 402, 310, 337 and numerous other Cessna models. 1977-present

Professional Affiliations

International Society of Air Safety Investigators (ISASI)

Association of Independent Consultants

Loucks Group, LLC

Examples of Consulting Case Work Performed

Appliance repair service defended in home fire case.

Aviation accident investigations, damage and repair assessments.

Plaintiff/passenger experienced severe shock in transport category aircraft.

Defense of biomedical electronic surgical device manufacturer.

Manufacturer of gas fired construction heater defended in case where fire destroyed house under construction.

Defense of medical device manufacturer whose equipment was found in debris of house fire.

Installer defended in fatal explosion involving gas-fired boiler.

Unmonitored Sewer Ejector Pump failed to operate, public facility flooded, electricians injured as a result of electrical panel arc while attempting to bring pumps back on-line.

Mechanical malfunction in large pleasure boat caused severe damage when compressed air tank exploded.

Investigation of electrical utility power surge caused by snow removal vehicle striking telephone cable.

Improper monitoring and inappropriate ice protection of large commercial freezer facility linked to a major ammonia refrigerant leak and loss of product.

Plaintiff/employee injured in microwave leakage accident at Radar facility.

Explosion on large pleasure boat associated with inappropriate maintenance methods.

Defense of aquarium product manufacturer named in fire investigation case.

Personal injury caused by leaking batteries in consumer electronic device.

Oil leak and electrical component failure associated with pleasure boat fire.

Defense of artificial Christmas tree importer named in fire investigation at country club.

Pleasure boat consumed by fire while under care and custody of repair facility.