



**Causey Engineering  
LLC**

Gerald J. Hietpas, PE  
President

**Causey Engineering LLC**

*"Forensic and Investigative Services"*

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**Curriculum Vitae**

**ALGY F GILES JR., AVIATION  
A&P W/IA**



*Mr. Giles is an Associate of Causey Engineering, LLC. Causey Engineering has for over 18 years been providing forensic and investigative engineering services and litigation support, specializing in heavy industrial, utility and construction issues. Mr. Giles has particular experience in aircraft repairs, power plants repairs, construction and design.*

**Education:**

**Eastern New Mexico University-Roswell**  
AS, Applied Science/ Aviation Maintenance  
Technology (AMT)

**Specialized Training**

FAA Aeronautical Training Academy Center,  
Specialized Aviation Safety Inspector  
Training Courses, Oklahoma City, OK  
1996 thru 2006

**Experience Summary:**

Mr. Giles is the founder of Avgrp03, LLC. and has for over 40 years been providing aviation accident investigative services and government research support, specializing in industrial, utility and aviation issues. He developed risk management and system safety management governmental training programs.

**Patents:**

United States Patent 3,399,731 Inventor / Helicopter Rotor Blade

**Registrations:**

FAA Aircraft / Power Plant Mechanic w/ Inspector Authority  
FAA Commercial Pilot w/ Instrument Rating  
FAA Flight Dispatcher

**Work Experience:**

**Causey Engineering LLC**, Austin, TX 2008 to Present

*Forensic Expert:* Provide Forensic and investigative work related to industrial, utility and aviation issues. Causey Engineering provides engineering analysis, governmental regulation

investigation and research, accident reconstruction and litigation support primarily related to oil and gas, refineries, chemical and petrochem plants, central power stations, utilities, electronic manufacturing, food processing, pulp and paper, lumber manufacturing, industrial construction, and warehousing.

**AvGrp03, LLC, Fruitland, MD** 2006 to present

*Founder:* Specializes in providing aviation research and investigative services, both nationally and internationally. Provides flight and ground aviation investigative and operations analysis, governmental regulation investigation and interpretation, accident reconstruction and litigation support primarily related to the aviation industry.

**Federal Aviation Administration, Washington, D.C.** 1996 – 2006

*Federal Aviation Administration (FAA) as Staff Aviation Safety Inspector (ASI):* Served as an FAA headquarters staff specialist assigned to FAA upper management responding to public inquiries from accidents, repairing large and small aircraft airframes, power plants, avionics and appliances on commercial and general aviation aircraft. Standardized the (ASI) training of inspection and safety procedures with changes at the FAA Training Center in (OKC) covering General Aviation and Air Carrier subjects.

**Northwest Airlink, Memphis, TN** 1993 -1996

*Chief Inspector:* Managed airline aircraft maintenance, flight and ground operations regulatory compliance requirements for the airline modifications, alterations, service bulletins, and miscellaneous documentation issued by aviation manufacturers. Developed a Maintenance Auditing System for the use of repair stations, airline repair facilities and the large substantial maintenance contractors from foreign countries.

**Continental Express, Houston, TX** 1989 - 1993

*Senior Director of Standards and Procedures:* Participated as certification team member for Continental Express Airlines with a direct report to the V.P of Regulatory Compliance. Served on an accident team in a fatal accident investigation that revealed maintenance errors as contributing factor. Coordinated regulatory support required by the airline Maintenance, Flight, and Ground Operations. Monitored the preparation of Maintenance Program Task Cards and supported the data to produce them in an electronic maintenance database.

**Piedmont Airlines Inc, Salisbury, MD** 1987 - 1989

*Director of Regulations and Standards:* Supervised the maintenance department through changes in the area of Airworthiness relating to foreign aircraft publications, modification status, and FAA Airworthiness Directives for all aircraft operated by the airline. Instituted changes to the "Maintenance Training Program" with the structured training curricula concept that assisted in the revision of the "General Maintenance Manual" with the regard to content and presentation.

***Professional Memberships:***

**AMT Society** Technical Association of Aviation Maintenance  
**FAAST** FAA Safety Team

## ***Security Clearance:***

**Federal Aviation Administration:** Secret 1992 - 2006 (Retired)  
**United States Air Force:** Secret 1961 - 1965

## ***Forensic Experience:***

FAA Cases Worked are 50+, Depositions Given is 2, Trial Testimony Given is 2.

*Use of this CV is prohibited until we have a mutually signed agreement concerning your engagement of Causey Engineering LLC. Pending such, the use of our name is also prohibited, and we reserve the right to accept assignment by others in lieu of your firm.*