Gregory V. Fountain

Mr. Fountain has 42+ years of technical and management experience in the Eglin AFB, Florida, area including Precision Weapons Development & Platform Integration, Test & Evaluation, Command & Control Training/Operational support, and Information Technology Applications Development.

WINTEC, Inc. – November 2009 -- Present

President/CEO: Leads all business activities for WINTEC systems engineering business areas related to aircraft platform/carriage systems/weapon stores research, development, testing and integration for DoD and commercial customers. Manages a team of subject matter experts (SMEs) in the areas of aircraft armament control and management systems, specialized internal platform and weapon data communications, weapon initialization and employment processing for guided bombs, missiles, and rockets on conventional and non-conventional platforms. Also manages ground robotics business research and development at AFRL/Tyndall AFB, FL for airfield damage repair.

Innova Engineering, LLC – September 2004-October 2009

President: Led design and development of a ruggedized high-resolution Fourier Transform Infrared (FTIR) full-band infrared spectrometer and instrumentation van under USDOT contract for asphalt aging R&D. Supported John Deere multi-spectral camera pod using GPS/IMU data to geo-register mosaicked pixels for precision agriculture markets.

Northrop Grumman (NGC)/TASC -- April 1984 – September 2004 (management)

Corporate Lead Executive for Northwest Florida: Appointed by CEO to provide "single face to the customer" for all aspects of Northrop Grumman Corporation in the operating area.
Senior Director: Systems and Software Integration Division (SSID) under Northrop Grumman Information Technology Sector. Division was headquartered in Ft. Walton Beach, FL (FWB); with operating locations at Langley AFB, VA; Stennis Space Center, MS; Tyndall AFB, FL; NAS Fallon, NV; and Huntsville, AL. Business lines within SSID include Command & Control Training and Operational support, Test & Evaluation, Defense Acquisition Management, and Information Technology Applications Development & Network Services. Provided leadership for growth of the FWB office for over 20 years in areas of C4ISR, sensor/seeker technologies, precision-guided munitions analyses/modeling/simulation, test instrumentation design and development, GPS/inertial technologies (GPS accuracy test software development, DoD test & training range applications, weapons guidance, precision ship navigation), target/background signature databases, and web-based tools and applications. Provides leadership for the growth of the Ft. Walton Beach division, exploring/capturing new markets, expanding core competencies, improving internal processes, actively engaging new and current customers, and mentoring high-potential staff members for future career growth. Specific work experience with Northrop Grumman and TASC included technical lead for various programs involving: GPS/inertial applications for weapons and jamming; DoD test and training range systems; and precision navigation; precision-guided weapon concept explorations, systems development, and test support; and various infrared and millimeter-wave radar sensor advanced technology programs.

TASC Director (acquired by Northrop Grumman) 1984 – 2004 (technical)

Led business capture team for Joint/Coalition Air Operations Center (AOC) Command & Control Training School (Hurlburt Field, FL). Led business capture team for AOC Operations Support at 1st Air Force (Tyndall AFB, FL). Led or supported capture of various TASC business pursuits. Led development of Automated Vehicle Monitoring system for municipal bus fleets at major cities using GPS augmented with other low-cost aids for smart fleet maintenance. Led development of commercial application for school bus fleets using GPS and cellular radios to provide automated notification to parents at set times prior to the bus arriving at the bus stop.

Principal Investigator: Precision Strike Concept Exploration for alternative seeker-aided capabilities for GPS/IMU-guided weapons such as JDAM and JSOW. Supported Eglin team conducting US industry-wide site surveys exploring state of GPS and IMU technologies for early JDAM program feasibility assessments. Led JDAM GPS-jamming simulation effort to characterize susceptibility scenarios. Principal investigator for AAC/XR *GPS Applications for Conventional Weapons Guidance* (1988) exploring alternative designs for GPS/inertial weapon guidance; authored extensive report. This effort supported subsequent GPS applications for weapon guidance at Eglin AFB, FL. While supporting the GPS Range Applications Program (GPS-RAP), gained extensive experience in applications of GPS to DoD Range TSPI including RF digital datalink technologies and inertial integration/Kalman filter implementations. Developed test software and test instrumentation van for GPS-RAP test program. Seventeen years of experience in working with MRTFB ranges and first-hand understanding of their operations. Supported analysis for 46th Test Wing airborne electro-optical sensors and imaging spectrometers. Manager for TASC's Project Chicken Little testing for smart submunition development and IR and MMW instrumentation data collections. Led development of 46th Test Wing Thermal Image Processing System (TIPS) and instrumentation trailer.

Eglin AFB, FL 1975 to 1984

Served as lead engineer for the Seeker Evaluation and Test Simulation (SETS) laboratory conducting parametric and 6-DOF simulations on laser and infrared-guided weapons. Provided technical expertise to the program office for laser-guided bombs and imaging-infrared guided bombs. Lead development and testing of weapon test sets for these weapons. Designed and implemented instrumentation systems in test aircraft (Class II Mods) involving data acquisition sensor, data collection, and data storage instrumentation installations on F-111, RF-4C, and AIM-7/9 simulator pods on F-4 aircraft.

Kessler AFB, MS 1974 to 1975

Performed site surveys to investigate RF interference at U.S. Air Force Bases using all types of RF instrumentation systems and antennas to accomplish the investigation. Recommended solutions to interference conditions. Characterized the RF radiation hazards for ground-based radars and tropo-scatter communications sites.

Education

MSEE, 1982 Electrical Engineering, University of Florida
BSEE, 1973 Electrical Engineering, Mississippi State University