

TODD M. BAILEY

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Overview:

Twenty-six years in aviation engineering design and management, program management, production management, shop liaison support, technical sales, and customer coordination for aircraft modifications and equipment.

Leadership Experience:

President, Airmods LLC, 2014-Present

Director of Programs, Program Manager, Design Engineer, Genesis 3 Engineering/Trine Aerospace, 2007-2014

Engineering Manager, Structural Design Engineer, ARINC Aircraft Services, 2005-2006

Lead Structures Engineer, Midcoast Aviation, 2003-2004

Lead Payloads/Cargo Systems Engineer, The Boeing Company, 1993-1994

Education, Training:

B.S. Aeronautical Engineering, University of Washington, 1992.

Experienced in SolidWorks, AutoCad, AutoDesk Inventor, Microsoft Office and Project.

Course in Effective Supervising, 2003. Boeing manufacturing familiarization training, 1994.

Experienced in contract development, business practices and methods, ITAR, export and DPAS requirements.

Employment History:

Airmods LLC, Colorado Springs, CO

President (5/2014-Present)

Consultant design, engineering, fabrication, quality system and management support for aircraft modifications for over one dozen aviation companies in surveillance, cargo, weather research, and avionics upgrade markets. Provide remote and on-site support, structural design, aircraft surveys, technical sales support, shop coordination, program management, quality management system support, engineering management support, FAA certification and conformity support, and 8110-3 coordination for major alterations, STC development, and Public Use projects.

Responsible for bid development, program capture and performance, company finances, vendor management, contractual compliance, quality management, project prioritization and overall management. Owner and manager of a profitable, debt-free company for over three years.

Genesis 3 Engineering / Trine Aerospace, Woodland Park, CO and Colorado Springs, CO

Director of Aircraft Programs (Engineering, Production, and Program Management, 2012-4/2014), *Program Manager* (2008-2012), *Sr. Design Engineer* (10/2006-2008)

Managed equipment development and aircraft modification projects for surveillance, maritime patrol, and other special mission aircraft. Developed project bids and proposals, provide project estimates, and manage modification programs to maintain cost and schedule targets. Specialized in repackaging existing designs to fit in more compact and lightweight design envelopes.

Supported technical sales efforts including trade shows and customer support roles. Coordinate on and off-site with customers (U.S. and international), executive management and staff in support of various interior and aircraft structural modification projects and business development.

Assisted with certification processes including FAA (Form 337 Field Approvals, STC development efforts), public-use and foreign government certification environments. Developed certification reports including interiors compliance reports, ground test plans and DO-160/MIL-STD-810 environmental and EMI equipment qualification test plans in support of STC parts qualifications and PMA applications.

Managed design and production staff to support fabrication schedules, including customer management, electro-mechanical assembly troubleshooting and design change/improvement incorporations. Managed configuration control and conformity of parts and installations.

ARINC Aircraft Services, Colorado Springs, CO

Engineering Manager, 6/05-10/06

Responsible for Engineering Department of 12-16 engineers and Designated Alteration Station (DAS) with budget of over \$2M performing EFIS “glass cockpit” upgrades on military King Air products, Iridium installations, RVSM installations, and other avionics upgrades. Developed Engineering Procedures, created engineering bids and proposals, reviewed drawings and certification reports, processed parts and labor invoices, managed direct employee reviews, and hiring and release of contract and direct labor.

Contract Mechanical Design Engineer, 8/04-6/05

Developed structural installations for RVSM upgrades, electronic flight bag (EFB), Satcom antenna installations, and other avionics upgrades for business and large commercial aircraft.

Midcoast Aviation, Cahokia, IL

Lead Mechanical Design Engineer, 10/03 to 8/04

Responsible for project coordination of interiors and avionics upgrades for corporate aircraft, in-house and on-site aircraft surveys, engineering bids, customer change orders, review and approval of engineering drawings, and review of structural stress reports.

Contract Mechanical Design Engineer, 1/02-10/03

Design and coordinate interior reconfigurations and structural installations for avionics upgrades such as TCAS, EGPWS, GPS, ELT, Satcom and radome modifications, pitot-static systems, radiotelephone and other systems on Gulfstream, Challenger, Hawker and King Air corporate aircraft

Boeing Airplane Services, Issaquah, WA

Contract Mechanical Design Engineer, 5/01 to 1/02

Provided engineering oversight and configuration control for aircraft modifications and reconfigurations of galleys, seats, sidewalls, closets, lavatories, and other interior components on 747 and 777 aircraft for airline customers.

Jet Aviation, Basel, Switzerland

Contract Mechanical Design Engineer, 4/98 to 4/01

Provided interiors and structural design and coordination for the fabrication and installation of galleys, sideledges, credenzas, tables, phone storage units, beds, divans, linings, computer workstations, cabinets, windows, and other interior components for seven executive aircraft completion projects on a 767, two A319s and six BBJs, including vendor coordination and installation support.

Associated Air Center, Dallas, TX

Contract Mechanical Design Engineer, 8/97 to 4/98

Designed VIP interior modifications including retrofit and integration of galleys, closets, cabinets, partitions, headliners, lighting assemblies, and other interior components on a 747SP Head of State aircraft.

Triad International Maintenance Company (TIMCO), Greensboro, NC

Contract Mechanical Design Engineer, 12/96 to 7/97

Developed drawings and provided shop coordination to support interior modifications to commercial aircraft for major airline customers, including avionics retrofit kits for Satcom, Airshow, and weather radar installations. Responsible for project scheduling and domestic and international aircraft surveys and design reviews.

The Boeing Company, Commercial Airplane Group, Everett, WA

Cargo Systems Engineer, 4/95-11/96: Selected for “Tiger Team” to resolve in-service issues on 777.

Payloads Shipside Support, 10/94-4/95: 747/767 Final Assembly area production troubleshooting.

Lead Payloads Systems Engineer 2/93-10/94: 747/767 Cargo Linings Group, led six employees

Payloads Engineer 12/92-2/93: 747/767 Cargo Linings and Furnishings Group

Summer Intern in 1992 for 747/767 Galley Systems and in 1991 for 747/767 Cargo Systems

F.K. Kirsten Wind Tunnel, University of Washington, Seattle, WA

Operations Staff Member, 10/90 to 12/92 Responsible for model installation and aerodynamic data acquisition for vehicles such as aircraft, bobsleds, business jets, ram air turbines, and the prototype Boeing 777.