

DOUG ATKINSON

SENIOR ASSOCIATE, DAYTON AEROSPACE, INC.

PROFILE

Over 40 years of aerospace engineering experience, with a unique skillset that also includes financial management, program management, airworthiness, and digital engineering expertise. Held significant roles throughout career, including acquisition engagement liaison, systems architect subject matter expert (SME), and director of engineering (DoE) in the Air Force Research Lab (AFRL) and within three Air Force Life Cycle Management Center (AFLCMC) Directorates: Fighters and Bombers (now AFLCMC/WA and AFLCMC/WB), Intelligence, Surveillance, Reconnaissance and Special Operations Forces (ISR/SOF) (AFLCMC/WI), and Agile Combat Support (ACS) (AFLCMC/WN). Provided systems engineering, airworthiness and science and technical management expertise across the AFRL enterprise as the Delegated Technical Authority (DTA) for airworthiness for all AFRL science and technology projects. DR-04, Department of the Air Force (DAF), and industry executive (retired).

PRINCIPAL AREAS OF EXPERTISE

Technical Engineering Management

Led all systems engineering process implementation and operational safety suitability and effectiveness (OSS&E) for AFRL; AFLCMC/WA/WB's portfolios of aircraft to include A-10, B-1, B-2, B-52, F-15, F-16, F-22, foreign military sales (FMS) aircraft including the F-15 Saudi, A-29, and special programs; AFLCMC/WI's 40 Mission Design Series (MDS) including RQ-4, MQ-1, MQ-9, U-2, AC-130, EC-130, CV-22, RC-135, all USAF rotary wing, Battlefield Airman programs, sensors, data links, foreign military and Big Safari programs; and AFLCMC/WN's training aircraft, simulators, propulsion, support equipment, and human-centered equipment; with technical authority for all engineering decisions. Instrumental in a 100% restructuring of ineffective risk management processes. Instituted changes that significantly improved program manager's ability to focus on managing all program risks. Led the standardization of systems engineering processes to ensure effective execution of programs to develop, acquire, field, and modernize warfighter capabilities.

Financial Management

Led cross-functional team in the translation from requirement to budget and went on to defend the USAF's \$160B annual budget before both the Office of the Secretary of Defense (OSD) and Congress.

Military Airworthiness Certification

Considerable experience in execution and instruction of Military Handbook 516 (MIL-HDBK-516), *Airworthiness Certification*, which outlines the USAF military airworthiness certification process. Led certification basis development of almost every aircraft in the USAF fleet. Extensive experience working with industry and government organizations as a SME in establishing airworthiness certification planning and execution.



DAYTON AEROSPACE

4141 Colonel Glenn Hwy.
Suite 252
Dayton, Ohio 45431

P: (937) 426.4300

L: <https://www.linkedin.com/in/doug-atkinson-1179b4147/>

EDUCATION

MS, National Security Strategy
National War College

MS, Management Science
University of Dayton

BS, Electrical Engineering
Virginia Tech

KEY POSITIONS

Acquisition Engagement Liaison
Boeing Defense, Space and Security

Director of Engineering
AFRL

Director of Engineering
AFLCMC/WA/WB (formerly AFLCMC/WW)

Director of Engineering
AFLCMC/WI

Director of Engineering
AFLCMC/WN

APDP

SPRDE Program Systems Engineer Level III

Program Manager Level III

SPRDE Systems Engineer Level III

Test and Evaluation Level I

ORGANIZATIONAL MEMBERSHIPS

National War College Alumni

Pioneers of Stealth

Air Force Association (AFA)

WORK HISTORY

Senior Associate | Dayton Aerospace, Inc.

2023-present, Dayton, OH

Provide system engineering, avionics, and program management support across all program phases including development, production, sustainment, and operation—to both industry and government clients. Specific areas of expertise include program execution, design review implementation, test planning, and risk mitigation identification. Airworthiness SME providing airworthiness certification support within and outside the government.

Acquisition Engagement Liaison | Boeing Defense, Space and Security

2021-2023, Fairborn, OH

Program management, engineering, airworthiness and digital engineering SME for local Boeing office, interfacing with USAF offices at Wright-Patterson Air Force Base (WPAFB) and beyond, to improve communication and mutual understanding. Portfolio included VC-25B Presidential Aircraft, KC-46, AFRL, AFLCMC Engineering Directorate (AFLCMC/EN), Air Force Materiel Command Engineering Directorate (AFMC/EN) and the Department of the Air Force Digital Transformation Office (DAF/DTO).

Systems Architect SME | Modern Technology Solutions, Inc.

2020-2021, WPAFB, OH

Assessed air vehicle architecture for AFLCMC/WBS to ensure system met airworthiness requirements. Identified significant issues in architectural design and assembled a team of experts to verify and develop recommendations for near and far term solutions. Recommendations accepted and implemented.

Engineering Management Consultant

2020-2020, Dayton, OH

Assessed the capabilities of a certified HUBZone aerospace and defense engineering, design, and manufacturing small business. Provided engineering perspective in the development of a company strategic plan for expansion of market share. Recommended changes in manpower, organizational, and business focus areas to position the company for near- and long-term growth.

Director of Engineering | AFRL Engineering Directorate (AFRL/EN)

2019-2020, WPAFB, OH

DTA for airworthiness for all AFRL science and technology projects. Reported directly to the AFRL commander providing systems engineering, airworthiness and science and technical management expertise across the \$5B, 8,000 employee, AFRL enterprise. Center senior functional (CSF) for all AFRL engineers and program managers.

Director of Engineering | AFLCMC/WA/WB (formerly AFLCMC/WW)

2016-2019, WPAFB, OH

Supervised over 600 engineers and configuration managers. DTA for airworthiness for the fighter/bomber portfolio which includes the A-10, B-1, B-2, B-52, F-15, F-16, F-22, foreign military sales (FMS) programs including F-15 Saudi, A-29, and special programs. Also responsible for organizing, training, and equipping engineering for all programs and the F-35 and B-21 system program offices. Provided technical guidance and engineering management oversight for the development, integration, production and sustainment of fighters and bombers programs located at WPAFB, Robins AFB, Hill AFB and Tinker AFB.

Director of Engineering | AFLCMC/WI

2012-2016, WPAFB, OH

Supervised over 300 engineers and configuration managers. Provided technical guidance and engineering management oversight for the development, integration, production and sustainment of ISR and SOF systems with a total technical work force located at WPAFB, Robins AFB, and geographically separated locations. As airworthiness DTA for over 40 MDS including RQ-4, MQ-1, MQ-9, U-2, AC-130, EC-130, CV-22, RC-135, all USAF rotary wing, battlefield airman programs, sensors, data links, foreign military and Big Safari programs. Unified airworthiness processes across multiple diverse locations and executed timely recertification of all aircraft.

DAYTON AEROSPACE

4141 Colonel Glenn Hwy.
Suite 252

Dayton, Ohio 45431

www.daytonaero.com

WORK HISTORY (Continued)**Director of Engineering | AFLCMC/WN, formerly Aeronautical Systems Center, Agile Combat Support Directorate (ASC/WN)****2009-2012, WPAFB, OH**

Supervised over 250 engineers and configuration managers. Provided expert technical guidance and engineering management oversight to one of AFMC's largest program office directorates. Diverse portfolio included training aircraft, simulators, propulsion, support equipment, and human-centered equipment. Standardized systems engineering processes to ensure effective execution of programs to develop, acquire, field, and modernize warfighter capabilities.

Prior to (2009)

- Deputy Director of Budget Programs, Secretary of the Air Force (SAF), Assistant Secretary for Financial Management (FMBP)
- Director of Engineering, Acquisition Excellence Directorate (ASC/AQ)
- Chief Avionics Engineer, Integration IPT, Global Hawk System Program Office, ASC/GHSG

DAYTON AEROSPACE4141 Colonel Glenn Hwy.
Suite 252

Dayton, Ohio 45431

www.daytonaero.com