

LUKE BURKE

ASSOCIATE, DAYTON AEROSPACE, INC.

PROFILE

Over 35 years of experience in engineering, program management, product support, logistics, depot production, and integrated life cycle management. Served as director of engineering, technical director, and chief engineer at multiple geographic locations for numerous programs and organizations. Delivered program-level sustainment roadmaps and preserved operational safety suitability and effectiveness (OSS&E) for various organic and contractor logistic support (CLS) weapon systems along with continued airworthiness across the range of capability and sustainment modifications. Provided cross-enterprise supply chain management (SCM), reduced and eliminated hazardous materials, and drove down sustainment costs through implementation of sustainment technologies and a systems engineering approach to integrated life cycle management. NH-IV, Department of the Air Force (DAF) (retired).

PRINCIPAL AREAS OF EXPERTISE

Depot Operations
Integrated Life Cycle
Management
Obsolescence/DMS

Sustainment/
Product Support
Airworthiness
Public/Private Partnering

Supply Chain Management
Systems Engineering
Warfighter Urgent
Operational Needs

WORK HISTORY

Associate | Dayton Aerospace, Inc.
2022-present, Dayton, OH

Support government and industry clients with subject matter expertise in aircraft systems and flight technology, providing systems engineering, sustainment roadmaps, and US Air Force (USAF) airworthiness certification assistance across the acquisition life cycle.

Technical Director | Directorate of Logistics, Civil Engineering, Force Protection & Nuclear Integration (HQ AFMC A4/10-EN)
2015-2021, WPAFB, OH

Led maintenance and sustainment technology discovery/innovation/development and implementation in direct support of requirements, planning/programming, and execution of a \$19B annual portfolio of centralized asset management (CAM) depot-level weapon system sustainment (WSS) funding resources providing world-wide sustainment of 122 weapon systems spanning 10 major commands. Ensured alignment, governance, compliance/propriety, and priorities were integrated throughout for continuous support of weapon systems across the operations and support (O&S) phase of the integrated defense acquisition, technology, and logistics life cycle management framework. Responsible for policy and procedures, to include technical aspects of Air Force Materiel Command (AFMC) and wider USAF logistics, sustainment, maintenance, and product support—focusing on depot and field level maintenance across the spectrum of supply, transportation, logistics planning, software, and technical and logistics data/information systems (LogIT).



DAYTON AEROSPACE

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EDUCATION

MA, Management
Webster University

**BS, Engineering Physics
(Mathematics Major)**
Northeastern State University

Air War College
(Outstanding Graduate)

Air Command and Staff College
**PMT 352B – Defense Acquisition
University’s Program Management
Office Course**

Strategic Leadership Education II
Center for Creative Leadership

CERTIFICATIONS

**Acquisition Professional
Development Program (APDP)**

Systems Planning, Research,
Development & Engineering
(SPRDE), Level III

Program Management, Level III
Acquisition Logistics, Level I

Test & Evaluation (T&E), Level I

WORK HISTORY (CONT'D)

Director of Engineering | Air Force Program Executive Office (PEO) for Agile Combat Support (ACS) (AFLCMC/WN) 2012-2015, WPAFB, OH

Assigned within the ACS PEO serving as the PEO's director of engineering responsible for a Science, Technology, Engineering, and Mathematics (STEM) workforce of over 650 employees executing more than 700 programs, projects and initiatives in the diverse portfolio of research, development, acquisition and product support programs that impact virtually all USAF capabilities—including aircraft simulators, automatic test systems, support equipment and vehicles, electronic warfare (EW) and avionics, life-saving medical equipment, alternative fuels, and many other systems used in front-line combat support operations. Addressed cross-portfolio Cyber Security and Platform Information Technology Certification and Accreditation (PIT CA) by forming a new risk management framework for 192 systems, integrating intel into programs to proactively address the cyber threat, and implementing standard contract language—driving down risk of the “most dangerous threat to the US.”

Director, Engineering and Technical Management | Air Force Global Logistics Support Center (AFGLSC/EN) 2008-2012, Scott AFB, IL

Led stand-up and operation of the Center Engineering (EN) Directorate serving in a position that is both a Critical Acquisition Position and Critical Engineering Position, operating as the Center Senior Functional (CSF), the Center Technical Authority (CTA), and the senior technical advisor to AFGLSC/CC. Responsible for implementing a portfolio approach to systems engineering across all supply chain technical efforts in support of programs at multiple geographic locations, providing engineering workforce management and development, and improving systems-level supply chain management abilities needed to ensure full health and performance of the USAF supply chain. Led customers and suppliers and supported the AFGLSC objectives/strategic goals by applying experienced-based leadership across SCM, program/product support and acquisition domains, ensuring the success of the AFGLSC as an operational organization while building its reputation as a premier SCM organization.

B-1 Chief Engineer | B-1 System Program Management Office (OC-ALC/555 ACSS) 2005-2008, Tinker AFB, OK

In partnership with the B-1 system program manager, maintained and preserved (OSS&E) and airworthiness for the B-1 Bomber fleet providing technical direction for all acquisition and sustainment programs. In response to warfighter urgent need requests, accelerated the integration of multiple pods, integrated numerous additional weapons, and led major modifications and upgrades—both sustainment and new capability—ensuring combat relevance and providing mission capable aircraft with full system performance to meet the needs of deployed combatant commanders. Led technical and program teams in responding to a Warfighter Urgent Need Requirement (UNR) to rapidly provide advanced targeting pod (ATP) equipped B-1s to the warfighter. Was personally instructed by the Secretary of the Air Force (SECAF) to ensure that the B-1 accomplish a flight demonstration with Fischer-Tropsch (FT) fuel in support of the USAF's alternative fuels initiative. Led all testing and qualification activities (material and fuel system compatibility, engine performance, etc.) for the B-1 to become the first USAF aircraft to fly at supersonic speed using synthetic fuel.

Prior to 2005

- Division Chief, Special Air Mission Engineering Division, *Tinker AFB, OK*
- B-52 Chief Engineer, B-52 System Program Management Office, *Tinker AFB, OK*
- B-52 Logistics Division Chief, B-52 System Program Management Office, *Tinker AFB, OK*
- Various positions in Cruise Missile, B-52, and Public/Private competition offices, *Tinker AFB, OK*

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