



David Edmunds

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Dayton Aerospace, Inc.

36 years of experience planning and executing all aspects of major USAF propulsion systems engineering and acquisition programs. Successfully led the F-22/F119 Engine EMD development program from initiation through qualification. Extensive hands-on experience with the acquisition, systems engineering and technical management of large USAF programs. Technical expertise in propulsion system analysis/integration and low observables. Direct involvement with the most current USAF Development Planning and Acquisition Management changes. Reputation for critical thinking and innovative problem solving skills. Retired GM-15 DAF.

Principal Areas of Expertise

Propulsion Systems Analysis and Development

Extensive technical knowledge of propulsion system analysis and aircraft design integration considerations including low observables. Successfully planned and executed engine development programs for the F100 and F119 engine families. Direct experience and involvement with all product acquisition phases; concept, technology, engineering, production and support development.

Technical Management and Systems Engineering

Planned and successfully executed all life cycle phases of the F-22/F119 engine system. Practical experience with implementing the most current systems engineering processes and guidance. Unique program office experience integrating latest acquisition reforms with technical management.

Proposal and Technical Independent Review Teams

Led and participated in numerous major source selection evaluations, program re-plans, cost assessments, design reviews and Executive Independent Review teams throughout 32 year career. Recognized for critical thinking skills and innovative problem solving.

Business Development and Strategic Planning

Extensive government and industry experience identifying and developing new market and product strategies. Current, in-depth knowledge of USAF Capabilities Based Assessment and Development Planning processes. Implemented technology transition plan for the F-22/F119 program.

Integrated Product and Process Development

Hands on experience creating and leading major USAF program government and contractor integrated product teams. Developed and implemented the F-22/F119 Engine Integrated Master Plan (IMP)/Integrated Master Schedule (IMS) management process and the Propulsion System Integrity Plan and Specification used for the technical management. Implemented an Executive Independent Review process for the F119 EMD program to help resolve technical issues and provide Senior Executive level visibility and confidence

Position

Associate

Education

BS, Aeronautical Engineering
California State Polytechnic
University, SLO
MS, Mechanical Engineering
Ohio State University

Key Positions

Chief, Development Engines
Propulsion System Program Office

Chief Engineer, Engine Systems
F-22 System Program Office

Chief Engineer, Engine Systems
Propulsion System Program Office

Chief, ATF Propulsion System
F-22 System Program Office

Detailed Work History

2004 – present
Dayton, Ohio

Senior Associate
Dayton Aerospace, Inc.

Consultant to Government and Industry clients for developmental planning, acquisition strategies and execution issue. Provide management and technical guidance, integrated product teams, systems engineering and requirements flow down, proposal strategies and independent review support.

2003-2004
Cincinnati, OH

Vice President, Business Development
Belcan Corp.

Responsible for strategic business development initiatives, marketing and sales activities for the 1700 employee engineering outsourcing services division. Primary objectives were to grow revenues and diversify customer base outside the Aero Turbine Engine industry segment. Resulted in the establishment of a new Aerospace Division for Belcan that is now initiating project orders with several of the target companies. Established a Business Development Initiative process to coordinate and focus company sales initiatives in selected industry segments.

2000-2003
Wright-Patterson AFB, OH

Chief, Development Engines
Propulsion System Program Office

Provided technical supervision and direction to a staff of 30 engineers responsible for the development of the F-22/F119, JSF Engines and the development planning of future Air Force Propulsion Systems. Successfully transitioned acquisition and technical process "lessons learned" from the F-22/F119 program to the JSF program. Provided support to several ASC leadership teams chartered to reinvigorate Development Planning at ASC and redefine the process throughout the USAF.

1991-2000
Wright-Patterson AFB, OH

Chief Engineer, Engine Systems
F-22 System Program Office

Provided technical supervision and direction to a staff of fifteen assigned engineers and ten supporting engineers responsible for the \$2.4B development of the F-22/F119 Engine System. As Co-Director of the F119 Integrated Product Engine Team, responsible for all technical and acquisition management issues. Successfully led this integrated Government and Contractor team through qualification and initial production of the all new centerline F119 fighter engine.

1971-1991

Chief Engineer, Engine Systems, ASC, Propulsion SPO, WPAFB, OH
Chief, ATF Propulsion System, ASC, F-22 SPO, WPAFB, OH
Propulsion System Analysis Engineer, ASC/ENF, WPAFB, OH



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