



Development Engineering

McCormick Stevenson offers a wide range of mechanical engineering expertise; from deep systems engineering to routine drafting and design, and everything in-between. We help reduce your program risk through clear requirements definition, flexible contract engagements, and the immediate application of a qualified and experienced staff. We tailor our work products to your internal systems and processes. McCormick Stevenson also exercises rigorous cybersecurity practices. We always protect your sensitive data and intellectual property.

We stand ready to partner whenever a critical need arises. Look to the McCormick Stevenson team for a well-honed engineering toolset that brings solutions and success.

- Accelerate programs with experienced armament systems engineers and designers
- Identify, manage, and mitigate program risk
- Optimize system Size, Weight, Power, and Cost (SWaP-C)
- Ensure product survival under shock and vibration
- Ensure Hi-G gun-launch survivability
- Ensure steady state and transient performance at temperature extremes
- Reduce cost through design for manufacturing and assembly
- Develop and deliver product Technical Data Packages (TDPs)
- Develop virtual and physical prototypes of products
- Access, identify, and track system requirements and associated Verification and Validation Plans
- Manage and execute system test and qualification
- Integrate products into land, air, and maritime platforms
- Develop and deliver custom tooling, fixtures, and equipment to support products

 Ansys

 creo®

 Sigmatrix

 SOLIDWORKS

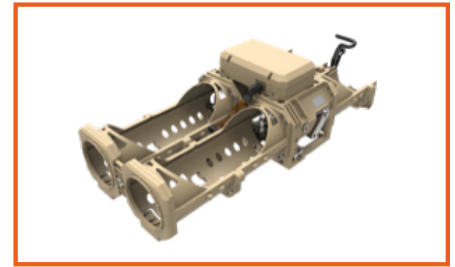
FOUNDED
IN 1999

OFFICES IN
CLEARWATER, FL

WOMAN-OWNED
SMALL BUSINESS

DOD PERSONNEL
AND FACILITY
CLEARANCES

NON-TRADITIONAL
DEFENSE CONTRACTOR



COLLABORATION

COLLABORATION



Expertise Across the Entire Product Development Cycle

Look to McCormick Stevenson as your mechanical engineering partner. We can help with your entire product development process or assist at **any** stage to address your specific challenges.

System Engineering

Ensure success through clearly defined requirements, tightly coupled to verification and validation plans.

- Proposal Development
- Requirements Development
- Risk Assessment and Management
- Implementation Balance
- Baseline Definition
- Verification and Validation Planning
- Configuration Management

Product Design

Move quickly to production revenue by leveraging our design expertise.

- Munitions System Design
- Mechanically Rugged Electronics
- Concept Development and Trade Studies
- 3-D Solid Modeling, Drafting and Documentation
- Design for Manufacturing and Assembly
- Cabling and Interconnect Design

Prototyping and Integration

Successfully test and qualify through selective physical prototyping.

- Prototype Fabrication & Assembly
- Rapid Component Sourcing
- 3-D Printing

Analysis & Simulation

Breeze through integration and test with elegant virtual prototypes.

- Finite Element Analysis (FEA)
- Computational Fluid Dynamics (CFD)
- Design-to-Analysis Data Interoperability
- FMECA (Failure Mode, Effects & Criticality Analysis)
- Tolerance analysis using both worst-case and statistical methods
- Analysis and Simulation Reporting
- Reliability Analysis

Development Test & Qualification

We satisfy every requirement, or we're not done.

- Test Plan Development
- Platform Integration
- Lab and Field Integration, Test and Evaluation
- Structural and Thermal Analysis and Test Correlation
- Test Procedure Generation
- Test Program Management and Reporting

**MCCORMICK
STEVENSON**

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