



Engineering Rugged Solutions for Aerospace, Defense & Homeland Security

Solving Your Challenges — Land, Air and Sea

At McCormick Stevenson, we offer a wide range of mechanical engineering expertise; from deep systems engineering to routine drafting and design, and everything in-between. We help you reduce your program risk through clear requirements definition, firm-fixed price engagements and the immediate application of a qualified and experienced staff.

We stand ready to assist your staff with their most difficult challenges. Whenever a critical need arises, look to McCormick Stevenson for an exceptional team with a well-honed engineering tool-set.

- Accelerate programs with experienced weapons system engineers and designers
- Identify and manage program risk
- Reduce system Size, Weight, Power and Cost (SWaP-C)
- Ensure system survival under extreme shock and vibration (hi-g gun launch expertise)
- Ensure resistance to extremes of high and low temperatures (electronics cooling)
- Assess, identify and track system requirements and associated Verification and Validation Plans
- Develop and deliver product technical data packages
- Develop both virtual and physical prototypes of electro-mechanical systems
- Reduce cost through design for manufacturing and assembly
- Manage and execute system test and qualification
- Integrate custom weapons and electronics into land, air and maritime platforms
- Develop and deliver custom manufacturing tools, fixtures and equipment

FOUNDED
IN 1999

OFFICES IN
CLEARWATER, FL

39
EMPLOYEES

WOMAN-OWNED
SMALL BUSINESS

DoD PERSONNEL
AND FACILITY
CLEARANCES

SERVING AMERICA'S HEROES, AS ONLY ENGINEERS CAN

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.

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

PRODUCT DESIGN

Move quickly to production revenue by leveraging our design expertise.

- Munitions System Design
- Mechanically Rugged Electronics
- 3-D Solid Modeling, Drafting & Documentation
- Design for Manufacture & Assembly (DFMA)
- Avionics System Design
- Cabling & Interconnect Design

PROTOTYPING & 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 & Simulation Reporting
- Reliability Analysis

TEST & QUALIFICATION

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

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

PRODUCTION SUPPORT

Reduce production cost through thoughtful design and implementation of Equipment, Tools and Fixtures.

- Complete Electro-Mechanical Test Systems
- Tools & Gauges
- Assembly Fixtures
- Process Equipment Design and Fabrication