



Project Management

TriVector provides proven *experience* and exceptional *performance* in managing complex, technical projects. We use our streamlined, disciplined Project Management processes to ensure project success and provide *value* to our customers. We deliver high quality technical results, while complying with project cost and schedule constraints.

Initiation & Planning

- ▶ *Management & Communication Plans*
- ▶ *Statement of Work (SOW) Preparation*
- ▶ *Organizational, Work, Product Breakdown Structures*
- ▶ *Cost Modeling & Baseline Preparation*
- ▶ *Budget Allocation & Phasing*
- ▶ *Schedule & Resource Planning*
- ▶ *Acquisition Strategy & Procurement*
- ▶ *Technical Trade Studies Balancing Cost, Schedule, & Risk*

Execution & Control

- ▶ *Project Leadership*
- ▶ *Earned Value Management (EVM)*
- ▶ *Cost Analysis & Schedule Management*
- ▶ *Program Risk Assessments & Mitigation*
- ▶ *Subcontractor & Vendor Management*
- ▶ *Information Management*
- ▶ *Customer & Program Reviews*
- ▶ *Independent Review Team Support*

Our People

- ▶ *99% Employee Satisfaction*
- ▶ *95% Employee Retention*
- ▶ *51% Advanced Degrees*
- ▶ *32% Subject Matter Experts*

Our Customers

- ▶ *MDA: Ground Based Mid-Course Defense*
- ▶ *NASA: MSFC*
- ▶ *NOAA: OAR WPO*
- ▶ *U.S. Army: CCDC AvMC*
- ▶ *Commercial Energy and Space Programs*
- ▶ *International Education Programs*

Delivering Technical Solutions...Controlling Cost, Schedule, Risk

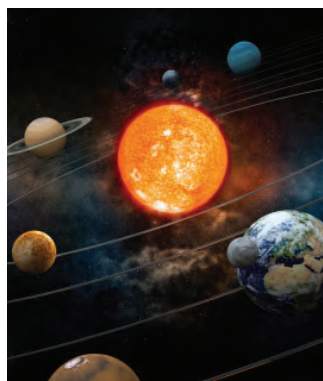
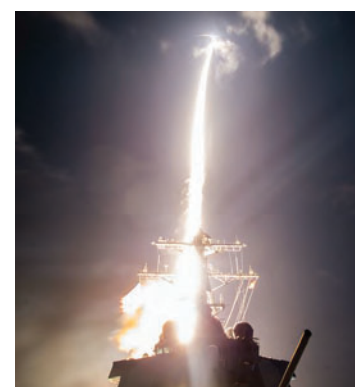


NASA Human Landing System (HLS)

Acting as the Deputy Manager of the HLS Requirements and Verification Team, TriVector helps identify risk and works with various NASA team members to formulate and manage risk mitigation work for the program. To date, We have managed the following risk reduction actions for HLS: Pump Fed Storable Engine Modernization contract with Aerojet Rocketdyne, Material Flammability Testing at various atmospheres at White Sands Test Facility, Composite Lattice Structure Testing at MSFC, and Cryo Fluid Management Fittings testing at Kennedy Space Center. These efforts alone resulted in over \$10 million dollars of cost savings for NASA and the HLS program. Our team also leads the HLS Requirements team in a comprehensive validation campaign to ensure that the final requirements set included only clear, consistent, verifiable requirements.

Ground-Based Midcourse Defense (GMD) Systems Engineering & Integration Verification (GMEV) Project Leadership

Serving as Deputy Division Chief (Acting) for the GMD GMEV team, TriVector is responsible for achieving technical results within cost, schedule, and acceptable risk. As Deputy Chief (Acting), our SME leads the GMEV team in defining and allocating verifiable GMD requirements to specific test events (ground, hardware-in-the-loop, flight), inspection, or analysis, and performing GMD requirements verification upon event completion. To accomplish this complex program, our SME coordinates events and communicates results with numerous Missile Defense Agency organization and Industry staff. To date, TriVector's SME has successfully led the GMEV personnel in event execution, analysis of data, and development of requirement closure notice packages.



NASA Planetary Missions Program Office (PMPO) Independent Cost Assessments (ICA)

For \$250M+ projects, the PMPO performs a Joint Confidence Level (JCL) analysis per NPR 7120.5E to demonstrate a project's ability to achieve cost and schedule. TriVector led the development of an independent JCL analysis capability to meet this requirement. We evaluated JCL analysis tools, selected the best tool, and benchmarked against a specific PMPO project. We developed the project's cost estimate, worked with the schedule team to develop the JCL schedule; and assessed its risks. We integrated the data into the JCL tool and successfully performed the analysis. Now, the PMPO uses this model to demonstrate its projects' likelihood of completing all work within planned budget and schedule. TriVector experts provide ICA leadership for all PMPO project reviews.

Team Redstone Additive Manufacturing (AM) Support

The Army is exploring the use of AM to enhance product availability and elevate mission readiness. TriVector's AM subject matter expert (SME) serves as the Team Redstone AM Integrated Product Team Facilitator. The AM IPT's vision is to advance AM across the community through collaboration, knowledge, and shared resources. Our SME has fostered the IPT's growth from 20 members and 2 organizations to a membership of 140 members from 9 government organizations, 9 academic institutions, and 13 companies. Through the IPT, TriVector's SME provided key input to the NASA and AMRDEC Additive Manufacturing Strategic Plans, the NASA Additive Manufacturing Standards and Specifications, and the AMRDEC Additive Manufacturing Facility Plan.



Points of Contact: **Joey Shelton (256) 698-1803 | joey.shelton@trivector.us**

TriVector Services Inc. | 4245 Balmoral Drive, Suite 306 | Huntsville, AL 35801 | www.trivector.us