

ENGINEERING & TECHNICAL

Your Advantage. And Then Some.

Founded in 1992
Management & Technical Solutions
Aerospace & Defense Markets
Small Disadvantaged Business
Headquarters in Huntsville, AL
Additional offices:

Montgomery, AL; Dayton, OH; & Washington, D.C.

RADIATION HARDENING

**PROPULSION
ENGINEERING**

**MODELING
& SIMULATION**

**TARGET DEVELOPMENT
& VALIDATION**

METROLOGY

SYSTEMS ENGINEERING

And Then Some Philosophy

We strive to uphold our And Then Some company culture to continually exceed customer expectations. We are recognized on local, state, and national levels for technical excellence, business ethics, and quality. Being a solutions provider, our employees are our greatest asset. We focus on providing our employees with an environment where their passion for their work, innovative solutions and their And Then Some work ethic is fostered.



*Your Advantage.
And Then Some.*

ASI
Analytical Services, Inc.

www.asi-hsv.com



RADCAT™ RADIATION HARDENING CATALOG

(<https://www.radcat.net>)

Helping the Missile Defense Agency (MDA) address radiation challenges for Ballistic Missile Defense System programs

- Centralized database manages & tracks radiation hardened components & materials
- Easy access to test results
- Interfaces to CAD, geometry-based modeling software & authoritative radiation transport codes

Design & development of missile defense systems leveraging RadCat will aid in component selection & design trades, enabling the systems to perform more effectively with less costs in the required radiation environment.

PROPULSION ENGINEERING

(www.stoneeng.com)

Twenty-five year history supporting the Aviation & Missile Research, Development, Test & Evaluation Center (AMRDEC) Structures & Propulsion Directorate

- National authority in all areas of solid rocket motor design & development
- Complete life cycle analysis on the performance, design, development, & testing of solid, liquid, hybrid, & gel propulsion systems, metallic & composite structures & gas generators
- Structural analysis, ballistic prediction & combustion instability analysis
- Domestic & foreign systems

MODELING & SIMULATION

Providing solutions on schedule & under budget for the Ground-based Midcourse Defense (GMD) Joint Program Office

- M&S research, planning, analysis, enhancement, & integration
- Test integrated system simulations & document work products
- Help guide the integration of the Ground-based Midcourse Defense Simulation (GMDSIM) & the Digital Simulation Architecture Ballistic Missile Defense System Simulation (BMDSSIM) through the development of an interface requirements specification & interface design document
- Support development of GMD European capability M&S suite to support expansion of BMDS to counter new threats

TARGET DEVELOPMENT & VALIDATION

Delivering propulsion engineering support for the MDA Targets & Countermeasures program

- Perform key assessments of target assets used in the MDA flight testing program
- Monitor storage conditions
- Schedule all transportation for target motors
- Clean, assemble, & perform buy-off of the resources used in the Strategic Targets program
- Support use of target assets including Polaris & Minuteman systems, Castor IV, & the C4 Trident I motors
- Address issues from non-destructive evaluations, out-of-specification storage & transportation environments, handling incidents & sibling test failures
- Assess target flight test performance, static test performance, aging test data results, & other inputs to determine the status of the remaining fleet assets to meet future target requirements

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