

Engineering and Technical

Radiation Hardening

Propulsion Engineering

Modeling and Simulation

Target Development
and Validation

Metrology

Systems
Engineering



Your Advantage.

And Then Some.

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.



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 and tracks radiation hardened components and materials
- Easy access to test results
- Interfaces modeling software and authoritative radiation transport codes

Design and development of missile defense systems leveraging RadCat[®] will aid in component selection and 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 and Missile Research, Development, Test and Evaluation Center (AMRDEC) Structures and Propulsion Directorate

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

Modeling and Simulation

Providing M&S solutions on schedule and under budget:

- M&S research, planning, development, integration, and analysis
- Distributed systems simulations development, integration, testing, and certification
- Verification and validation
- Supporting the Ground-based Midcourse Defense (GMD) Joint Program Office in Ground-based Midcourse Defense Simulation (GMDSim)

Target Development and Validation

Delivering propulsion engineering support for the MDA Targets and 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, and perform buy-off of the resources used in the Strategic Targets program
- Support use of target assets including Polaris and Minuteman systems, Castor IV, and the C4 Trident I motors
- Address issues from non-destructive evaluations, out-of-specification storage and transportation environments, handling incidents and sibling test failures
- Assess target flight test performance, static test performance, aging test data results, and other inputs to determine the status of the remaining fleet assets to meet future target requirements

Contact



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