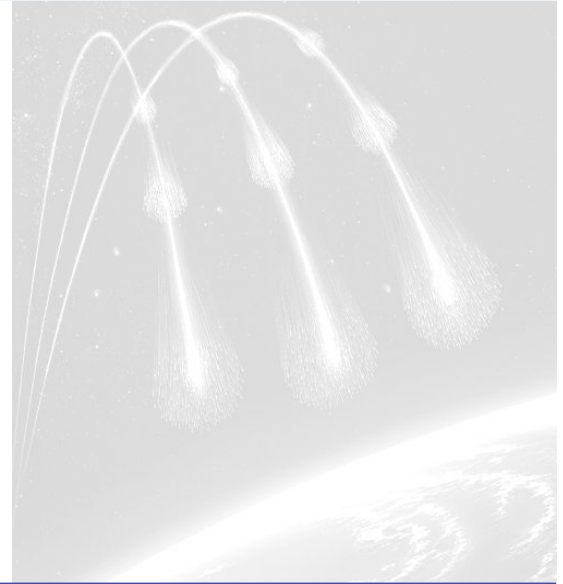


MADS™

Modular Adaptive Deployment Systems

When MDA needed precision deployment of exo-targets and countermeasures - with reliability, modularity, commonality, low-cost and short timelines.

SPEC's Modular Adaptive Deployment System (MADS™) concept was ready.



➤ *Launch Tubes* ➤ *Modular Subsystems* ➤ *CAN Bus Interface Architecture*

Programmable velocity, payload adaptability, no debris, contamination or signature effects, controlled dynamics and a robust heritage provide users with a quick-reaction, highly reliable exo-payload deployment capability.

SPEC's Experienced Team Adds Advanced Technologies & Disciplined Processes



Wide Range of Payload Types,
Sizes & Masses

SPEC's development tools, extensive experience and analysis capabilities provide top down design and fully integrated systems. From deployment scenario definition and evaluation, interface definition and control, mechanical, structural, and electrical design to system level ground and flight test planning, SPEC's experienced staff can support your exo-payload deployment needs.

Systems & Processes Engineering Corp (SPEC)

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MADS™ Features:

- ✓ Multi-payload deployment scenarios
- ✓ Launch Tubes
- ✓ Retention & Release Mechanisms
- ✓ Variable Velocity Package
- ✓ Sequence Controller Module
- ✓ Safing & Test Functions
- ✓ Instrumentation
- ✓ Wide range of payload types, sizes & masses
- ✓ Wide velocity range - software programmable
- ✓ Precision velocity control
- ✓ CAN Bus interface architecture
- ✓ Precision LADAR velocity instrumentation
- ✓ Modular subsystems for payload and launch vehicle interface adaptability
- ✓ Max use of existing assets and proven interfaces leads to cost savings and decreased mission cycle time

About SPEC

- SPEC is a veteran-owned small business, a National Tibbetts Award winner and ISO 9001 certified.
- Facilities are approved for SECRET storage, data processing and assembly.
- Staff has SECRET and TOP SECRET security clearances.

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