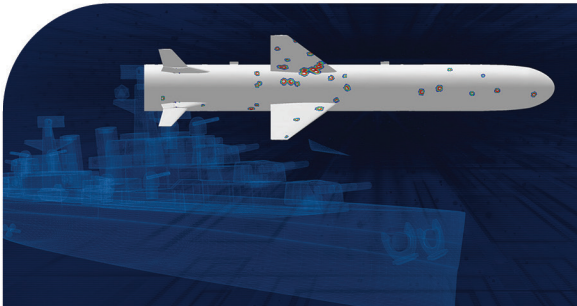


Trusted Expertise. Integrated Capabilities.
Mission-Ready Results.



WHY PARTNER WITH US



**DEEP CROSS-DOMAIN
TECHNICAL EXPERTISE**



**HIGH-FIDELITY
MODELING AND
ADVANCED
TEST CAPABILITIES**



**PROVEN SYSTEM-
LEVEL INTEGRATION
ACROSS KINETIC AND
NON-KINETIC SYSTEMS**



**AGILE, SECURE
ENGINEERING
PROCESSES FOCUSED
ON MISSION OUTCOMES**

WEAPONS DEVELOPMENT

Conventional, strategic, hypersonic, and space-based weapon subsystem development supported by high-fidelity modeling, rapid prototyping, and disciplined engineering.

BLAST, THERMAL & EFFECTS MODELING

First-principles analysis and testing for blast, thermal loads, overpressure, fragmentation, shock propagation, and target-response prediction.

PENETRATION & TARGET EFFECTS

Penetration mechanics, cratering, structural failure assessment, lethality analysis, fuze and explosive survivability, and UNDEX effects to inform optimized system design.

DIRECTED ENERGY & NON-KINETIC SYSTEMS

Applied research, subsystem maturation, and full-system integration for next-generation directed-energy and non-kinetic capabilities.

REACTIVE MATERIALS

Formulation, characterization, and system-level integration of reactive materials to enhance lethality and mission-specific performance.

DIGITAL ENGINEERING & OPEN ARCHITECTURE

Model-based engineering, modular open-systems approaches, and weapon-focused digital architectures that speed integration and reduce lifecycle risk.

EXPLOSIVE CHARACTERIZATION

Comprehensive testing and analysis for explosive performance, environmental sensitivity, and handling safety.



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