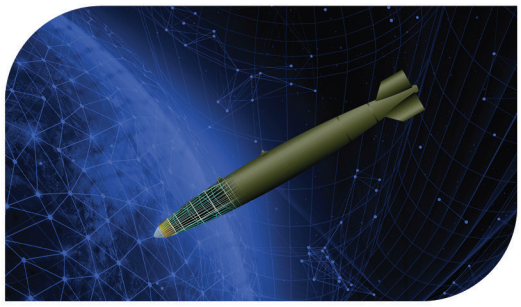
TRANSITIONING MISSILE DEFENSE INNOVATION INTO REALITY



MISSILE DEFENSE & HYPERSONICS

We transform cutting edge research into operational capability by combining physics based modeling, multi-domain weaponeering, rapid prototyping, and advanced sensing. This integrated approach accelerates the transition of innovative missile defense and hypersonic defeat concepts into mission-ready solutions.

SPACE WEAPONEERING

We turn advanced space weaponeering concepts into practical tools through an end-to-end methodology that unifies kinetic and non-kinetic effects with operationally realistic behavior. This enables Warfighters to confidently apply full-spectrum effects based on validated, real world ready lethality and survivability insights.

SPACE DOMAIN AWARENESS (SDA)

We convert next generation SDA technologies into operational advantage by leveraging cloud integrated architectures, edge accelerated processing, and advanced algorithms. These innovations deliver actionable orbit determination, resilient multi sensor fusion, and persistent tracking to support rapid, high-confidence engagements.

NUCLEAR EFFECTS MODELING

We bring innovative nuclear effects science into practical application through physics driven workflows that generate high fidelity environments and deliver validated effects into simulations at near real time speeds. This capability allows operators to rapidly explore scenarios and make informed decisions grounded in realistic nuclear effects modeling.

CLOUD SOLUTIONS

We operationalize digital innovation by providing a cloud native DevSecOps platform that unifies diverse data and Command and Control ecosystems within a secure, multi classification environment. This platform enables teams to rapidly deploy solutions, scale processing, and collaborate securely to support mission execution at speed.

CYBER EFFECTS

We translate advanced cyber research into operational modeling tools through a next generation, data driven cyber effects suite. Our solutions characterize cyber physical systems, predict Red and Blue outcomes, and quantify mission impact to help operators apply cyber effects with clarity, precision, and real world relevance.

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