DEFENSE BATTLEFIELD SIMULATIONS

MISSION
Provide a process and tools that enable customers to examine material and non-material implications of concepts or areas of interest to produce quantitative and qualitative insights on the military value and utility to the warfighter; providing senior leaders the ability to evaluate alternative investment strategies across their complex portfolios.

PROCESS
By merging traditional wargaming with modeling and simulation analysis into a hybrid approach that captures the strengths of both into an effective, rapid-turn, battlefield representative, and physics-constrained wargaming tool.

THE TOOL
Command Professional Edition is a Commercial off the Shelf (COTS) warfare simulation software where users have control over units from an operational level to a mission level. The software features a scenario editor that allows for real-time changes to scenarios and a fully editable database of air, land, sea and space weapon systems.

PROVIDES
- Facilitation of S&T evaluations
- Battlespace visualization
- Engagement adjudication automation
- Data and information capture and analysis

FEATURES
- Deep editable database with community-tuned systems
- Rich GUI and 3-D globe representation
- Rapid edit-experimentation-test cycle

SCOPE
- Engagement
- Mission
- Small theater simulations

WHAT WE PROVIDE
- Command PE software operation expertise
- Training
- Software support
- Data development, management, and analysis
- Collaboration

RESULTS
We can provide exploratory assessments of:
- Concepts of Employment (CONEMP)
- Decision-Making Trade Space
- Capability Investments
- Analyses of Alternatives (AoA)
- Military Utility Assessments
- Force Structure Design
- Concepts of Operations (CONOPS)
- Air Tasking Orders (ATO)
- Courses of Action (COA)
- Crisis Planning
THE TEAM

UNIVERSITY OF DAYTON RESEARCH INSTITUTE (UDRI)

Since its inception in 1956, the University of Dayton Research Institute has been supporting customers achieve success in reaching their research and development goals, solving challenging technical problems, and transitioning technologies into application. UDRI specializes in the research, development, application and transition of technology in diverse fields, including materials, structures, energy, propulsion, manufacturing, sensors, intelligence and much more.

MATRIX GAMES LTD

Matrix Games is part of the Slitherine Group, the world’s leading producer and publisher of digital simulations, strategy and wargames. Matrix Games focuses on deep strategic simulations and wargames and their products have been used for training and simulations by a number of military professionals and organizations, including BAE, Raytheon, USAF, Canadian Aerospace Defence and Aerospace Studies and the US Marine Corps among others.

SPA

SPA tackles clients’ most complex problems. They are a professional services provider with a long-standing reputation for unrivaled technical and analytical support to executive decision makers throughout the Departments of Defense, Homeland Security and Energy. They use rigorous and process-driven analytical and scientific methods applied by staff with in-depth experience in systems engineering, operations research, and acquisition management. The results are timely, workable and affordable solutions that delight our customers.

SURVICE

SURVICE is a nationally recognized specialist in combat system survivability, weapon system effectiveness, Verification, Validation, and Accreditation (VV&A), and reverse engineering, the SURVICE Engineering Company is a small business that has been providing the Department of Defense and industry customers with high-quality analytical products and services for over 35 years.

Patriot brings the senior level experience in both ops and operational logistics to ensure the endeavor remains focused on supporting the warfighter.