

HOW SPA DELIVERS FULL LIFE CYCLE DEVELOPMENT, EVALUATION, AND SUPPORT OF COUNTER-UAS SYSTEMS

CUAS PROGRAMMATIC SUPPORT

Determine requirements based on vulnerability assessments.

Perform capabilities-based assessments and Analysis of Alternatives to find the right system for the client's needs.

Provide policy support to implement and operate active CUAS systems in CONUS.

Improve real-time collaboration across all phases of the engineering lifecycle through SPA Digital Systems Engineering.

REAL-WORLD TESTING & POST FLIGHT ANALYTICS

Conceive and deliver tailored flight test plans for achieving client objectives.

Fly threat-representative drones and swarms with SPA's world-class certified UAS pilots.

Deliver custom Measures of Performance and Measures of Evaluation.

Provide decision support for improving system performance based on test analytics.

MODELING & SIMULATON

Create geotemporal models that clearly communicate UAS detection and mitigation times.

Use MATLAB and other tools to develop Radio Frequency Propagation models and radar/RF coverage maps.

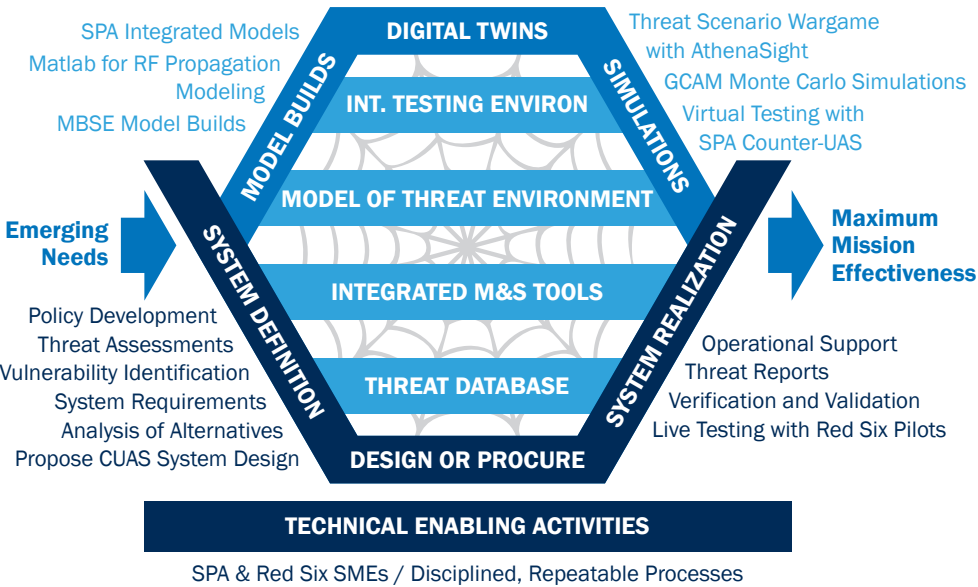
Run stochastic operational simulations with GCAM™ software.

Facilitate vulnerability assessments, CUAS CONOP development, and operator training with AthenaSight wargaming tool.

STREAMLINED, COMPREHENSIVE, AND VERTICALLY INTEGRATED CAPABILITY STACK

SPA's end-to-end solution enables the U.S. Department of Defense, Homeland Security, and critical infrastructure clients to develop, assess, and evolve CUAS capabilities with unprecedented precision, agility, and cost-effectiveness.

- Threat and vulnerability assessment
- Requirements development and management
- Policy development
- DOTMLPF-P analysis
- System design and architecture
- Digital twin modeling
- Live flight testing
- Mission wargaming
- Program management
- System engineering support



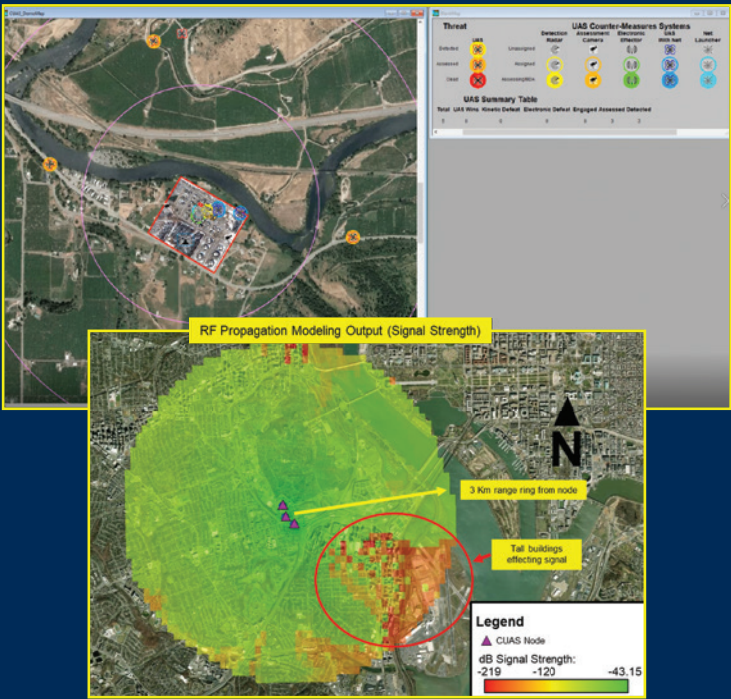
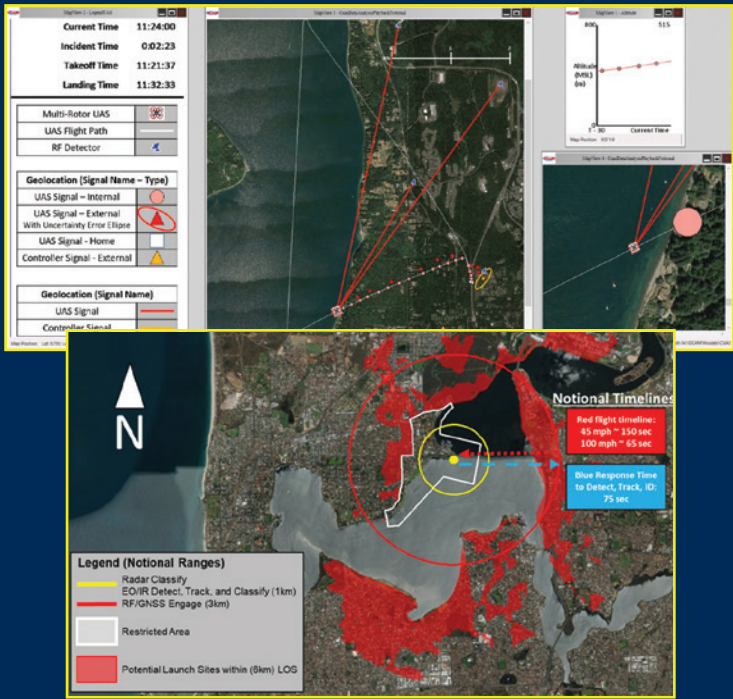
→ SPA's Systematic, Proactive, Integrated Digital Engineering Resource (SPIDER), shown here, reimagines the traditional Vee model by integrating a fully digital, data-driven framework that removes stovepipes and fosters real-time collaboration across all phases of the engineering life cycle.

MODELING

REAL-WORLD TESTING

TESTING ANALYTICS

SPA enables clients to more quickly understand risks associated with both UAS threats and their counter measures.



SPA delivers a holistic, model-based approach that enables early problem identification, agile decision-making, virtual and real-world testing, and cyber-resilient system design—accelerating timelines, improving quality, and reducing programmatic risk and rework.

WHY CHOOSE SPA?

→ Wargames and Models	Assess the absolute and relative impact of C-UAS performance against detection, identification, tracking, and mitigation metrics.
→ Dynamic Simulations	Actual UAS incursions and future threat scenarios, based on the most up-to-date UAS capabilities, informed by open source and classified intelligence.
→ Coordination and Analysis	Live testing events to assess C-UAS solutions.
→ Autonomous Testing	The experience includes underwater, surface, and ground vehicles.
→ Live Flight Testing	Uses world-class pilots from Red Six, an SPA company, to execute realistic threat emulation across the Group 1–3 UAS classes, providing high-fidelity test data on detection, tracking, classification, and defeat.

DECISION SUPPORT FOR NATIONAL SECURITY

Systems Planning & Analysis, a leading global provider of data-driven analytical insights supporting national security objectives, provides deep domain expertise, problem-solving capabilities, and a results-driven approach to program life cycles, reaching a wide spectrum of market areas.

With over 50 years of experience, SPA's portfolio of differentiated capabilities and tools delivers comprehensive support to the most critical programs for combatting threats, influencing long-term strategic priorities, and shaping policies at the highest levels.



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