

SPA COUNTER-UAS



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 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 & SIMULATION

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

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

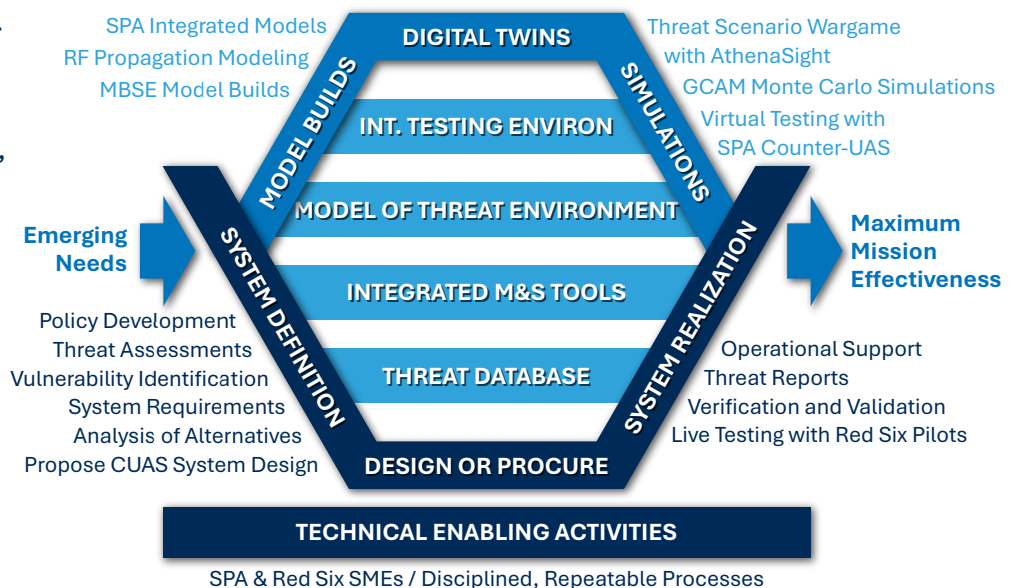
Run stochastic operational simulations with GCAM™ software.

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 War, 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



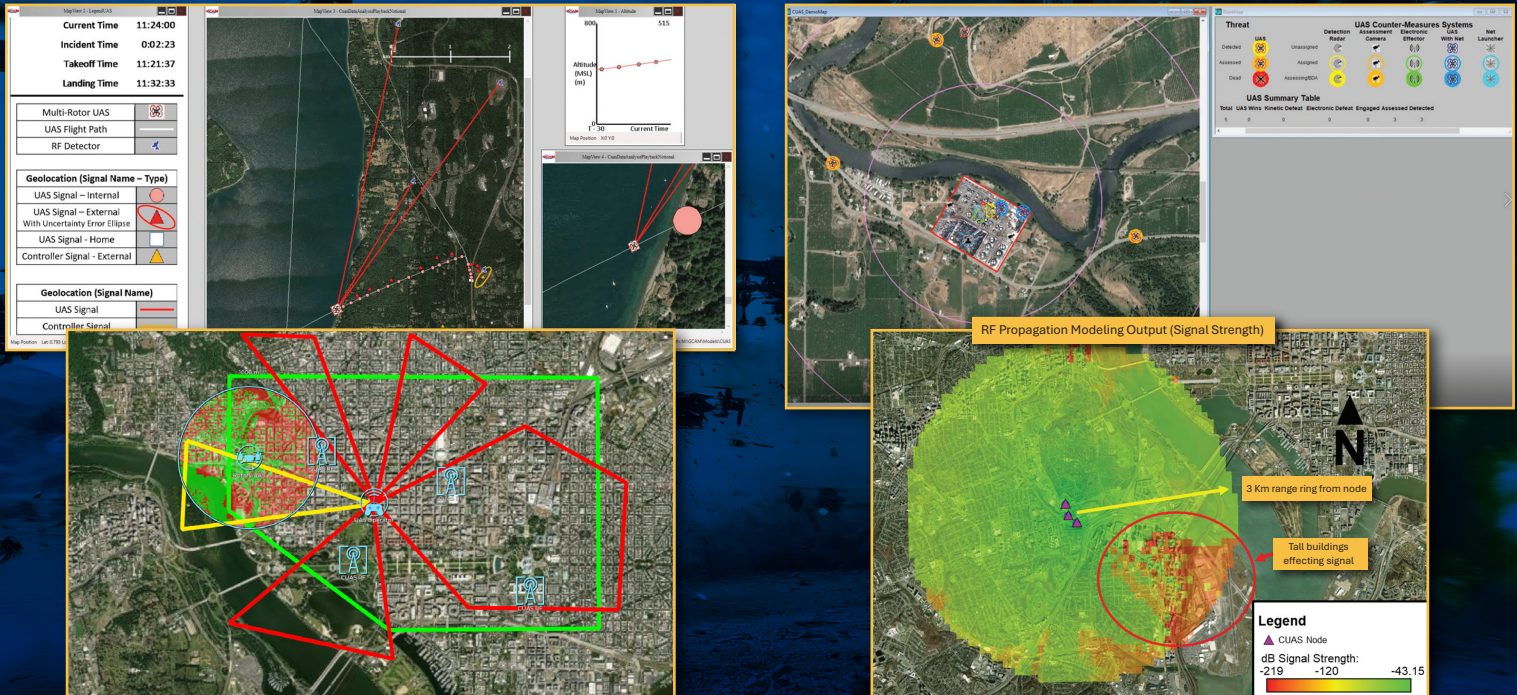
→ SPA's Systematic, Proactive, Integrated Digital Engineering Resource (SPIDER), shown here, reimagines the traditional Vee model by integrating a fully digital, data-driven framework that removes stovepipes and fosters real-time collaboration across all phases of the engineering life cycle.

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, providing high-fidelity test data on detection, tracking, classification, and defeat.

◆ Decision Advantage for National Security

Systems Planning & Analysis (SPA) is a global, independent analytical and technical innovation firm advancing complex national security priorities. SPA delivers mission engineering, advanced analytics, operational insights, and technology-enabled solutions that accelerate capability delivery and inform strategic decision-making across defense, intelligence, homeland security, and other critical mission areas.



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