

ADVANCING NATIONAL SECURITY WITH OBJECTIVE, DATA-DRIVEN ANALYSIS

SPA distinguishes itself through a unique and comprehensive set of capabilities that address the complex challenges of national security.

Our experts have a deep understanding of high-tech and mission-critical environments, along with the experience and know-how to integrate cutting-edge technology and rigorous data analysis into decision-making processes. Our successful, 50-plus-year track record in supporting federal agencies and allied governments assures clients that we are an objective, responsive, and trusted partner, highly skilled in capabilities dedicated to national security.

- Strategy, Policy, and Doctrine Development

National Security and Infrastructure Protection

AI/ML and Decision Analytics

Modeling, Simulation, and Analysis

Future Force Assessment

Acquisition Portfolio and Program Management

Systems Engineering and Integration

Software, Cyber, and Cloud Computing



OBJECTIVE | RESPONSIVE | TRUSTED

CORE CAPABILITIES

STRATEGY, POLICY, AND DOCTRINE DEVELOPMENT

SPA develops and refines comprehensive plans for government clients to achieve long-term objectives. Our clear strategies, effective policies, and actionable doctrines guide decision-making and operational actions, ensuring mission alignment and consistent effectiveness across all national security efforts.

- Defense Strategy, Policy, Planning, and Budget Development
- Nuclear Deterrence
- Strategic Planning
- Strategic Communications
- DoD Workforce Training and Instructional Design
- Organizational Structure and Process Development
- Conventional-Nuclear Integration

NATIONAL SECURITY AND INFRASTRUCTURE PROTECTION

SPA helps secure critical national infrastructure and industries from diverse threats. By assessing vulnerabilities, managing risks, and preparing for high-consequence events, we enable our clients to enhance resilience, stability, and compliance, so they can confidently defend against internal and external security challenges.

- Basic Research
- Industrial Base and Infrastructure Security and Optimization
- High Consequence Event Protection and Prevention
- Risk Management
- Business Intelligence Analysis
- Economic Security
- Nuclear Weapon Surety (NWS) Compliance

AI/ML AND DECISION ANALYTICS

SPA leverages AI/ML and data-driven insights to optimize decision-making. Our advanced methodologies, including operations research, threat analysis, and predictive forecasting, help optimize processes, manage risks, and provide prescriptive recommendations, enabling government clients to make informed, strategic decisions in complex environments.

- Operations Analysis
- Threat and Intelligence Analysis
- Kill Web Analysis
- Supply Chain Analysis
- Capability Gap Identification and Analysis
- Prescriptive Forecasting
- AI/ML Platform and Services

MODELING, SIMULATION, AND ANALYSIS

SPA uses digital models to simulate real-world systems, enabling informed decision-making and testing of various scenarios. Our approach helps clients test scenarios, predict outcomes, and improve preparedness, ensuring more informed and effective decisions in dynamic, high-stakes environments.

- Campaign to Tactical Level Wargaming
- Custom M&S application development (including physics and Monte Carlo capabilities)
- Integrated Toolsets and Modern Analytic Methods
- Red/Blue Force Interactions
- Exercise and Experimentation Support

CORE CAPABILITIES



FUTURE FORCE ASSESSMENT

SPA assesses future military and security needs by analyzing emerging threats, technologies, and operational environments and trends. Our insights guide force modernization, capability development, and strategic planning, ensuring that government clients maintain readiness and effectiveness in future security challenges.

- Force Design
- Military Utility Assessments
- Concept of Operations Development and Evaluation
- Force Structure Analysis and Scheduling
- Emerging Technology Assessments
- Technology Roadmaps

ACQUISITION PORTFOLIO AND PROGRAM MANAGEMENT

SPA supports government clients in managing acquisition portfolios to align with strategic goals, budgets, and timelines. We assess performance, risks, and resource allocation, ensuring that programs are optimized for success and deliver effective results in achieving national security objectives.

- Acquisition Planning and Execution
- Program Analysis
- Analysis of Alternatives
- Cost Research, Estimating, and Engineering
- Capital Planning
- Budgets and Program Controls
- EVM and Schedule Analysis
- Cost, Schedule, and Performance Risk Mitigation
- Cybersecurity Assurance
- Digital Program Management

SYSTEMS ENGINEERING AND INTEGRATION

SPA ensures the successful development, implementation, and sustainment of complex systems by coordinating technical processes, evaluating interrelationships, and supporting integration of the material and human components of a complex system. This ensures that the overall system efficiently and effectively meets its top-level performance requirements.

- Research and Development
- Requirements Development and Analysis
- Model-Based Systems Engineering
- Architecture Analysis and Multi-Domain Integration
- Technical Support to Prototyping and Developmental Testing
- Test and Evaluation IV&V
- Life Cycle Product Support
- Quality and Systems Safety Analysis
- Digital Engineering and Sustainment
- Digital Twins and Virtual Testing

SOFTWARE, CYBER, AND CLOUD COMPUTING

SPA provides world-class software tool development across all domains and at all levels of classification. This includes the capability to deploy warfighter apps rapidly, modernize a resilient and scalable cloud infrastructure, and provide cyber assessments to protect systems from vulnerabilities, ensuring robust, secure IT environments.

- Agile DevSecOps
- Collaborative Software Factory Creation and Operation
- System, Custom, and Analytic Tool Development
- Secure Enclave Design, Development, and Deployment
- Full Stack Web Development
- Cloud Computing, Network Design, and Engineering
- Real-time 3D Multi-platform Software Development
- Offensive and Defensive Cyber Analysis

NATIONAL SECURITY FOCUS

Defense | Intelligence | Homeland Security

SPA has a stellar reputation as a trusted agent, providing analysis and data-driven insights for some of the most complex, sensitive missions in government. SPA is relied upon by the Department of Defense, all the military services, the Intelligence Community, the Department of Homeland Security, the Department of Energy, and many other government agencies.

CLEAR ANSWERS FOR NATIONAL SECURITY CHALLENGES

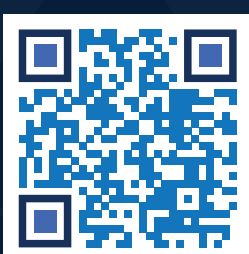
- Data-driven solutions for securing the nation's defense.
- Capabilities that span the defense, intelligence and homeland security market spaces.
- Technical expertise precisely aligned with our clients' missions.
- Objective, responsive, and trusted team members, dedicated to national service.
- Commitment to conveying truth, even when difficult, for best outcomes.



LEARN MORE ABOUT SPA'S CORE CAPABILITIES

SPA Headquarters
2001 N Beauregard Street Alexandria, VA 22311 | 703.931.3500

To learn more about SPA, please visit spa.com and connect with us on LinkedIn, YouTube, and Facebook.



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