

Harvesting Global Innovation

ARES combines management and technology consulting and specialty engineering to address the full spectrum of organizational requirements associated with operations in the contemporary global security environment. Leveraging synergies between targeted consulting and specialty engineering platforms, we have assembled the following core competencies:

Strategic Management and Technology Consulting – focusing on the application of novel solutions to unstructured problems through the synthesis of ideas from many different perspectives

Research and Development Network – cultivating relationships with premier organizations in the management, technology, financial, and policy communities to harvest the most innovative solutions

Specialty Engineering – pursuing the development of multi-disciplinary, disruptive technologies that target global security requirements and trends



Asymmetric Research and Engineering Solutions (ARES)

ARES Systems Group was established to fill a void in the global security market for rapidly conceived, concept-to-implementation management and technology solutions to emerging global security challenges. We employ the emerging paradigm referred to as Asymmetric Research and Development (AR&D) as the basis for sustained disruptive innovation with respect to the rapid delivery and deployment of highly specialized management and technology solutions.

Our offices are located in:

- » Bassfield, Miss. – Corporate Headquarters
- » Alexandria, Va.

ARES maintains an operating presence in:

- » Vicksburg, Miss.
- » Moyock, N.C.
- » Multiple international locations

4501 FORD AVE. SUITE 1320,
ALEXANDRIA, VA 22302

703-637-0616 WWW.ARES-SG.COM



Tactical Innovation

In today's global security environment, government and commercial interests are exposed to a continuously evolving array of conventional and unconventional challenges. Contemporary defense, social and economic, and energy and environmental issues are shaping the global competitive landscape. Mastering the dynamics of this environment demands **solutions that challenge the status quo.**

To excel in this new world, organizations require a continuous stream of **novel capabilities and solutions – rapidly conceived and expertly applied.**



Asymmetric Research and Development

Asymmetric Research and Development (AR&D) refers to the process of re-tasking legacy and emerging technologies and processes in innovative ways to support end-user applications not originally envisioned. Compared with conventional R&D approaches, AR&D implies a disproportionate return on investment resulting from dramatic cost and schedule efficiencies.

Current dynamics in the global security market are driven by the increased need for highly differentiated, low-volume products and services to mitigate context-dependent challenges. Employing the principals of AR&D, ARES has been organized in a way that is designed to capitalize on synergies between targeted consulting engagements and specialized engineering design and development.





ARES Global Security Consulting Group

The ARES GSCG is part think tank – part consultancy.

Our mission is to understand the global security markets within which ARES's clients operate, anticipate opportunities and challenges, and lead change – to get the job done.

Our focus is to ensure positive client outcomes in the most challenging operational scenarios.

ARES GSCG is committed to delivering a superior level of performance that enables our clients to successfully navigate the contemporary global security environment.

To accomplish these objectives, we offer core competencies in the following areas:

- » **Global Security Consulting** – specializing in solutions for the defense, social and economic, and energy and environmental domains
- » **Technology Assessment** – specializing in the rapid evaluation of emerging technologies for priority global security requirements
- » **Technology Incubation** – specializing in advice and assistance for the implementation and deployment of emerging technologies for unique global security applications

ARES Advanced Engineering Group

The ARES AEG employs the principles of Asymmetric Research and Development (AR&D) to deliver holistic, technology-based solutions designed to satisfy the most pressing challenges in the global security environment. With robust core competencies in rapid prototyping, modeling and design, specialty manufacturing, and systems integration, the ARES AEG is a turn-key resource for quick-reaction technology development and implementation.



Rapid Prototyping

The ARES AEG has been purposefully structured to take projects from concept to first article implementation in less than six months – regardless of the complexity. To achieve this goal, we have assembled robust organic competencies in the following areas:

- » Mechanical Engineering and Product Design
- » Materials Science
- » Power and Energy
- » Electrical and Embedded Systems Engineering
- » Software Rapid Prototyping
- » Fabrication and Assembly
- » Component and System Testing

Modeling and Design

Our world-class modeling and design capabilities can produce complex items from the miniature to the massive at the highest standards of precision and quality. We employ state-of-the-art modeling and simulation capabilities as part of the overall engineering process to rapidly assess design alternatives prior to physical implementation.

Specialty Manufacturing

Our specialty manufacturing services are optimized to accommodate one-of-a-kind items to limited production runs. Key competencies include:

- » Prototype fabrication using minimal documentation
- » First-article production for test and evaluation
- » Cost effective procedures for limited production runs
- » Skilled craftsmen experienced in working with exotic materials

Systems Integration

Our systems integration capabilities have been structured to enable our clients to capitalize on the full spectrum of state-of-the-art technologies from the tech base. We envision unique applications of legacy and emerging technologies and provide an integration framework within which these systems can be rapidly assembled and applied to unique global security requirements.

The ARES Difference

ARES creates value for our clients through continuous development of emerging technology solutions based, in part, on harvesting state of the art technologies from a global network of public and private sector sources and applying these technologies in novel ways to support niche applications. We combine intimate knowledge of our clients' requirements with in depth understanding of key emerging and proven technologies, to deliver holistic solutions better, faster, and cheaper than conventional methods allow.

ARES:

- » Delivers management and technology-based solutions with unprecedented speed and accuracy by establishing organic relationships with our clients and involving them in every aspect of the ideation process.
- » Anticipates and rapidly responds to needs, delivering solutions with certain success by maintaining close associations with key clients in the defense and security markets and striving to understand the complex dynamics between technology and application
- » Attacks problems by employing the most innovative techniques from the international public and private sector communities—synthesizing capabilities from the broadest range of perspectives to deliver truly unprecedented solutions.

