

ALION

We exist to support American warfighters through technology and engineering innovation for defense.

PLATFORM DOMINANCE

Weapons Platforms and Systems for 21st Century Defense

A NEW BATTLE LANDSCAPE

As tensions continue to rise around the world, the need for American military dominance is now more critical than ever. Opposing force capabilities and technology are evolving at a startling rate, with recent nation-state announcements fueling the need to move quickly.

Unmanned and autonomous systems are already prevalent on the battlefield. As human-machine teaming further matures, these new platforms will join traditional ones to become even more ubiquitous and even more precise, meticulous, and exacting than they are today—leaving little room for error or delays in U.S. national defense.

Whether for offensive or defensive operations, when American warfighters head into harm's way, they must be backed by the platforms and weapons to help them win and make it home. And the only way to win is to be prepared to dominate, with modern solutions that deliver improved targeting, lethality, and agility against a range of ever-changing adversaries.

INTELLIGENT PLATFORMS IN ACTION

At Alion, we exist to support American warfighters through technology and engineering innovation. We've been trusted partners to the defense community for more than 80 years, with a track record of quality and the credentials to prove it.

Today, we are working closely with government, academia, and industry partners to develop the next generation of advanced U.S. weapons platforms. In addition to our proven leadership in traditional systems, we are applying practical artificial intelligence (AI) to design, create, and optimize counter-UUV technologies, autonomous weapons systems, and unmanned platforms for national security.

With 30% veterans as well as forward-deployed engineers, we bring operational experience to deliver 21st century solutions that work in the real world. From ground to sea to sky, we deliver the advanced weapons platforms and systems the U.S. military needs to gain and maintain its edge.



ALION'S WEAPONS PLATFORM SOLUTIONS

We design, build, and maintain weapons systems and military platforms for air, ground, and sea across every branch of service. With our vendor-agnostic approach and an agile engineering methodology applied to each project and program, we help clients save time and money, while delivering industry-leading weapons platform solutions to support the United States' continued defense and national security.



NAVAL & MARITIME

Alion provides complete naval architecture and maritime engineering solutions, with experience managing large contracts focused on ship design, ship acquisition, shipbuilding, combat systems integration, and sustainment. As a global leader in the space, our experience in fully integrated ship solutions is unparalleled. Our experts have supported nearly every major U.S. Navy ship design program in the past 40 years, in addition to a number of international shipbuilding programs.



GROUND COMBAT

We provide full lifecycle solutions for the “move” and “shoot” capabilities of military land systems, including using applied Ai to tip operators to potential targets. Our engineers develop new ground combat systems — minimizing fuel consumption and providing onboard and exportable electrical power to do more with less — so U.S. warfighters have access to the tools and weapons they need to support mission success.



AIR & SPACE

Our engineers and technologists design, develop, and modernize a wide range of advanced air and space solutions, from inventing the “snow white” coating that is still used on spacecraft today to designing and producing future concept air and space platforms. We have the real-world operational experience to understand evolving warfighter needs, with proven expertise across the entire lifecycle of these essential systems, from concept to sustainment.



UNMANNED

We use applied Ai, deep learning, and machine learning to prototype, test, and deploy the next generation of unmanned platforms. These smart systems can better pinpoint potential targets, while keeping humans on the loop, and offer superior navigation and collision avoidance capabilities. With leading-edge technical skills, hard-won insight into critical integration challenges, and unique credentials and facilities, we provide unparalleled unmanned platform solutions.

To learn more about our complete package of weapons platform solutions, or to get connected with one of our experts, visit us online at www.alionscience.com/platforms.

CONTACT:

John Civiello

VP, Business Development

jciviello@alionscience.com

+1.571.214.3458 (phone)

About Alion Science and Technology

At Alion, we combine large company resources with small business responsiveness to design and deliver mission-critical engineering solutions. With an 80-year technical heritage and an employee-base comprised of more than 30% veterans, our engineers, technologists, and program managers bring together an agile engineering methodology and the best tools on the market to deliver mission success faster and at lower costs. Based just outside of Washington, D.C., we help clients turn big ideas into real solutions. For more information, visit www.alionscience.com.

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