

# ALION

We design training solutions with the future in mind, to build a force that is ready to meet any challenge.

## THE FUTURE OF TRAINING

Using a Live, Virtual, and Constructive Approach to Aid Readiness

### A NEW ERA REQUIRES A NEW APPROACH

While the nature of battle may be enduring, the nature of warfare has changed. The United States is facing new enemies with new technology— all on a highly visible global stage that permeates the battlefield, creating new risks for America's warfighters along the way.

To succeed in this evolving environment, today's Armed Forces must train using the same scenarios, obstacles, and teamwork that they'll use on the field of battle, no matter how it changes. Basic, stand-alone classroom training is not enough. But training at scale has traditionally been expensive and involved extensive manual tuning. This new era requires a new approach.

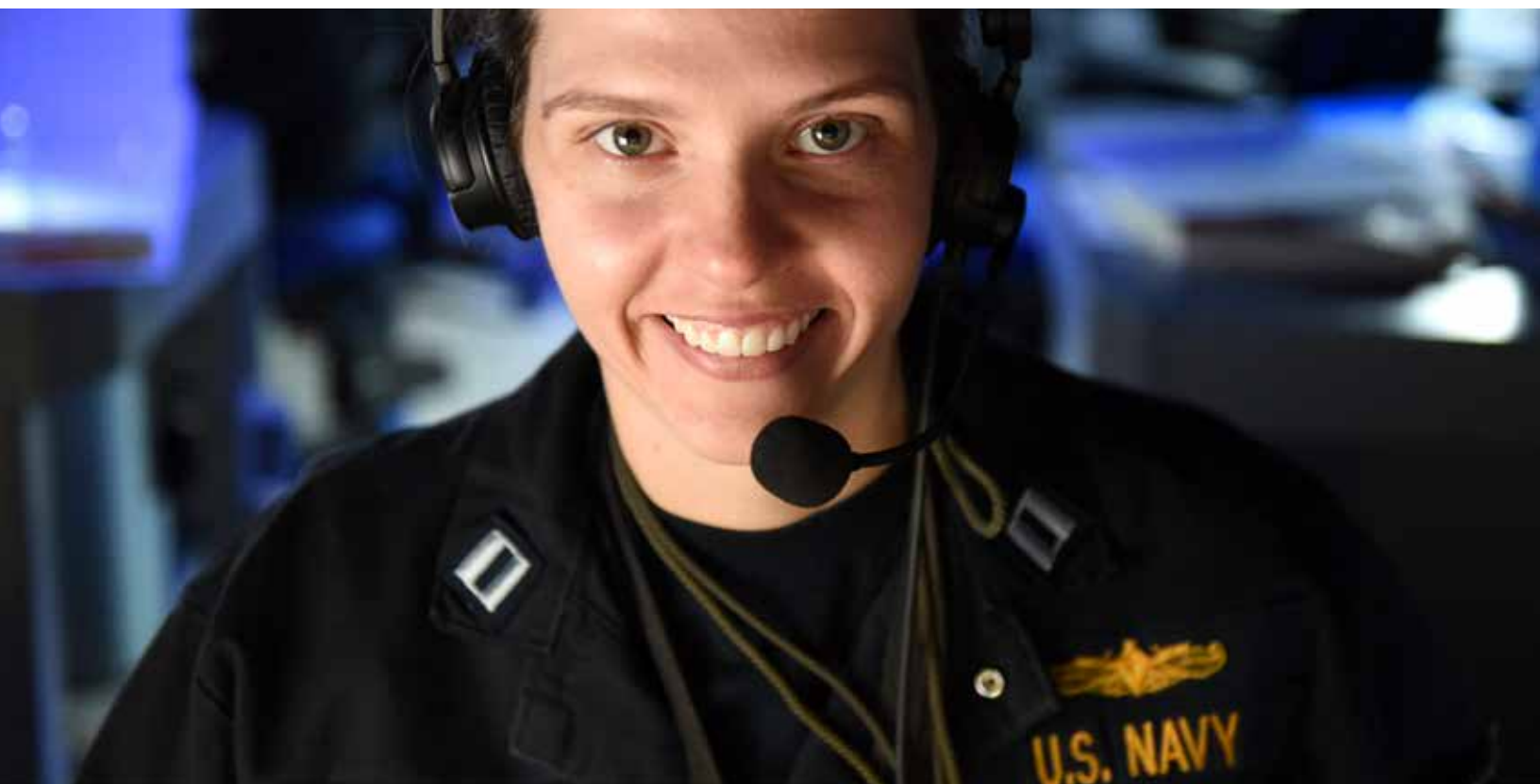
Through live, virtual, and constructive (LVC) training, we can now connect live environments with virtual platforms and simulated (constructive) threats to prepare trainees via integrated, real-world scenarios before they're ever in harm's way. The result is a modern approach to U.S. military training that saves time, saves money, and saves lives.

### GET READY TO TRAIN LIKE YOU FIGHT

At Alion, we provide LVC solutions to help U.S. Armed Forces execute large, integrated training exercises without sacrificing tactical realism, whether they're preparing for battle or already deployed. Our solutions are designed to seamlessly evolve, even as the scope or battle space changes.

By combining vendor-agnostic tools with operational experience, our technologists create better environments and better outcomes. And, because we believe that artificial intelligence (Ai) is a critical enabler to the future of training, we are investing in new approaches using machine learning to test and calibrate remote system elements and deep learning to automate content creation, build sophisticated Ai adversaries, and tailor training to accelerate learning.

With our unrivaled global network and advanced simulation environment, we are making the future of training a reality at the point of need— whether that's today, tomorrow, or in the battles that will come.



# ALION'S LVC TRAINING SOLUTIONS

As a trusted partner on the Navy's enterprise tactical training solution, we design, develop, and operate systems that help you train like you fight, because we understand that preparation requires full coordination— not readiness in piece parts. We apply our agile engineering methodology to every project, saving time and money for our clients, while delivering industry-leading LVC training solutions.



## GAME-BASED TRAINING

A new generation of trainees requires next-gen training methods. Our game-based training lets you take advantage of technology to keep today's warfighters engaged via immersive, interactive modules that deliver better outcomes than passive classroom training of the past. Alion's vendor-agnostic game engine approach allows us to create game-based solutions tailored to your distinct training needs and mission requirements, using the best technology on the market.



## MIXED REALITY

The way humans interact with computers has changed forever, and we are making the most of it. By introducing our cutting-edge virtual, augmented, and mixed reality solutions into live, virtual, and constructive environments, we develop training that allows users to take advantage of their natural senses and innate reactions to make the training environment more realistic and, thereby, more effective in preparing for real-world mission situations.



## MODELING AND SIMULATION

Our advanced simulation capabilities mean you can now train from anywhere. By creating environments that mimic real-world situations, we provide an opportunity for warfighters to prepare in ways that would otherwise be difficult, dangerous, and expensive. Our secure, comprehensive solutions encompass software, hardware, and networks to bring together LVC assets in a fully-integrated, unified training battlespace.



## INTEGRATED TRAINING NETWORKS

Training must be more than a series of instructions; it must be a continual process of skills and knowledge development. With the largest integrated training network in the DoD, we bring together sophisticated tools and expertise to interconnect distributed and disparate training assets in varying degrees of interoperability. Our fully-networked solutions can be developed for PCs, tablets, smartphones, or whatever technology your mission requires.

To learn more about our complete package of LVC training solutions or to get connected with one of our training experts, visit us online at [www.alionscience.com/training](http://www.alionscience.com/training).

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### 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](http://www.alionscience.com).

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