



# Integrated Networks

INTERCONNECT DISTRIBUTED AND  
DISPARATE TRAINING ASSETS

## With an unrivaled global network, we help clients execute large, integrated training exercises around the world.

Success on the modern battlefield is a complex and rapidly evolving pursuit, as new enemies and technologies continue to emerge. The only way to ensure readiness in the face of this shifting landscape is for warfighters to train using the same scenarios, obstacles and teamwork they'll use on the field of battle, no matter how it changes.

### Facing Real-World Challenges

Basic, stand-alone classroom training is not enough to build a force that is ready to meet any challenge. But training at scale has traditionally been expensive and involved extensive manual tuning. Fortunately, today's technologies can help U.S. defense and national security leaders connect from anywhere for training that uncovers refined strategies, more predictable outcomes, and optimal results.

Through distributed, highly-scalable, integrated training that incorporates live, virtual, computer-to-computer, and gaming elements, U.S. warfighters can learn and reinforce their skills in real-world environments. Facing these challenges in advance will help them better prepare, adapt and handle uncertainty in the field.

### World-Class Training Integration

At HII, we bring together sophisticated tools and proven expertise to interconnect distributed and

disparate training assets into a holistic, cohesive learning environment. Through integrated training in real-world scenarios, warfighters can prepare in ways that would otherwise be difficult, dangerous and expensive.

Not limited to traditional classroom environments, we also integrate live assets—including pier-side and underway ships, live and tactical command and control systems, voice communication, and simulated weather—to provide a realistic and complex training battlespace. Our networked solutions can be developed for PCs, tablets, smartphones, or whatever technology your mission requires.

With secure, comprehensive solutions that encompass software, hardware, and networks, we bring together live, virtual, constructive (LVC) assets into a fully integrated, unified training environment to give trainees across services and classifications the ability to train like they fight.



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HII is a global, all-domain defense provider. HII's mission is to deliver the world's most powerful ships and all-domain solutions in service of the nation, creating the advantage for our customers to protect peace and freedom around the world. As the nation's largest military shipbuilder, and with a more than 135-year history of advancing U.S. national security, HII delivers critical capabilities extending from ships to unmanned systems, cyber, ISR, AI/ML and synthetic training. Headquartered in Virginia, HII's workforce is 43,000 strong. For more information, visit HII.com.  
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# HII Integrated Networking Solutions

HII's integrated networking capability allows us to build secure, complex environments by inter-connecting distributed and disparate LVC assets into a seamless training experience. Our engineers, technologists, program managers and subject matter experts apply an agile engineering methodology to every project and problem, saving time and money for clients while delivering proven integrated network solutions.



## Environment Architecture

Our experienced and certified engineers apply the most up-to-date technology to design and build cyber-secure training environments that interconnect distributed training assets.



## System Integration

We quickly and seamlessly translate existing trainers and systems into an interconnected network, with clear user guidance to ease adoption of any new technology.



## Network Management

Our experts work with you following implementation to identify any new needs, implement improvements or enhancements, and ensure flawless operations.



## Network Monitoring

We manage and monitor the complete network environment to provide a holistic view and identify any issues before they can impact the LVC training experience.

## Spotlight: Navy Enterprise Tactical Training Network

To make training more realistic and relevant, the Navy has been expanding programs that tie virtual resources to real-world systems. This includes Fleet Synthetic Training (FST), which integrates real and simulated data to better prepare sailors and warfare commanders for real-world threats.

As the Navy's trusted partner, HII designed, engineered and built the Navy Enterprise Tactical Training Network (NETTN) to support the fleet's certification and training objectives as defined by the U.S. Fleet Forces Command (USFF). We have supported and managed this network for more than 18 years and continue to mature and operate it as the training network for the Navy Continuous Training Environment (NCTE), which HII engineers also helped to build.

As the largest integrated training network in the DoD, NETTN and NCTE together provide a virtual range for distributed synthetic training and experimentation as well as a baseline for the Navy's future LVC training environment. This secure, globally-distributed enterprise network spans 47 Commands at 147 locations, interconnecting with 23 training partner networks.



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