We design and manage complex communication networks to keep you secure, connected, and mission ready.

# U.S. NETWORK SOLUTIONS
## Systems to Keep You Secure, Connected, and Mission Ready

Digital networks are the nervous system for today's defense and national security operations. Modern command and control capabilities, as well as highly sensitive manned and unmanned platforms, can only perform at their best when they're built on an underlying network that can respond quickly and flawlessly.

### MINIMIZING RISKS, MAXIMIZING CONTROL

Since 2011, the DoD has been working to modernize its information technology (IT) to expand capabilities while reducing costs. These efforts launched much-needed activity to streamline and secure networks while aiding interoperability for joint maneuvers, transforming the way the DoD acquires, develops, and operates its IT.

Now, the task remains to support and modernize legacy hardware networks, while developing secure, integrated software-defined networks (SDNs) and applying advances in artificial intelligence (Ai) to create intelligent networks that can sense, adapt, and respond. With the right solutions, the U.S. can better mitigate growing cyber threats while maximizing scale, flexibility, integration, and control.

### FUTURE-PROOFING U.S. DEFENSE NETWORKS

With some of the most advanced integrated network architecture capabilities on the market, Huntington Ingalls Industries (HII) engineers design and manage complex communication networks to keep you secure, connected, and mission ready. We deliver central management, lower lifecycle cost, and faster deployment with scalable and virtualized multi-enclave networks.

Our certified network architects and engineers are experts in building and supporting secure, reliable, and resilient network environments. We bring a solid foundation in traditional network architecture while evolving solutions in applied Ai to perform comprehensive vulnerability analysis, using machine learning to deliver adaptive systems that learn how to fend off adversarial attacks with humans on, in, or off the loop.

HII's proven experts help you create future-proofed network solutions that accelerate and simplify the systems behind your mission success.

# HII'S NETWORK SOLUTIONS

We are deeply analytical partners who never stop looking for a way to make things better. That's why we apply our vendor-agnostic approach and agile engineering methodology to every project, saving our clients time and money while delivering industry-leading network solutions. Supporting the people who dedicate their lives to defending us is at the heart of everything we do.

## NETWORK ARCHITECTURE

We design and develop tiered and peer-to-peer networks — including associated protocols — to allow different systems and devices to communicate quickly and securely.

## NETWORK INTEGRATION

Our engineers build secure, complex networks by inter-connecting distributed and disparate components into a seamless, integrated solution for defense and security clients.

## HARDWARE & SOFTWARE

Whether scouring the market for the best equipment or designing new software to support your needs, we deploy, manage, and monitor the entire network environment.

## OPEN ARCHITECTURES

We curate and translate leading open architecture technology into secure, integrated network environments that allow you to easily add, upgrade, and swap critical components.

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## SPOTLIGHT ON: NAVY ENTERPRISE TACTICAL TRAINING NETWORK (NETTN)

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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We help you maintain reliable, secure, and useful computing environments with the tools and support you need to run a smooth operation. To learn more about our complete package of network solutions, or to get connected with one of our experts, visit us online at tsd.huntingtoningalls.com.

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