

HYDRA

MODULAR CYBER OPERATIONS INFRASTRUCTURE

ON-PREM, FULL-STACK, CONTAINERIZED, & EXTENSIBLE FLY-AWAY KIT

FLEXIBLE DEPLOYMENT MODEL

- ✓ Scales From Tactical to Enterprise Use Cases
- ✓ Built for Connected, Disconnected, and Hybrid Environments
- ✓ Interoperates with Other Hydra Stacks and External Infrastructure

OPERATIONALLY REALISTIC ENVIRONMENT

- ✓ Enables Offensive, Defensive, and Blended Operations
- ✓ Mission Network Architectures — Not Canned Static Labs
- ✓ Supports OT, IT, and Enclave Constrained Scenarios

BUILT FOR MODERN CYBER WORKLOADS

- ✓ Supports AI/ML Enabled Analytics and Simulation
- ✓ Enables Repeatable, Data-Driven Cyber Operations
- ✓ Supports High Performance Compute and Data-Intensive Workloads



DEPLOYED IN THE DEPARTMENT OF WAR & ALLIED ENVIRONMENTS TO ADVANCE OPERATIONS, TRAINING, EXERCISE, & MISSION READINESS

Flip to see how Hydra supports specific operational, training, and exercise mission requirements >>

ONE PLATFORM. MULTIPLE MISSION ROLES.

HYDRA ADAPTS TO TRAINING, EXERCISE, & OPERATIONAL DEPLOYMENTS THROUGH MODULAR INFRASTRUCTURE, EXTENSIBLE SOFTWARE INTEGRATION, & SUPPORT FOR MODERN CYBER & AI-ENABLED WORKLOADS

CYBER OPERATOR TRAINING & SKILL DEVELOPMENT

- ✓ Hosts progressive cyber operations training from fundamentals to advanced mission scenarios
- ✓ Enables AI-driven scenario variation, feedback, and performance analysis
- ✓ Integrates new tools, scenarios, environments, and mission domains as curricula and threats evolve

DISTRIBUTED CYBER EXERCISE INFRASTRUCTURE

- ✓ Orchestrates complex multi-site and multi-domain cyber and mission scenarios
- ✓ Interconnects with external ranges, simulations, and mission systems
- ✓ Supports AI enabled scenario generation, data analysis, and after action insights

DEPLOYABLE CYBER OPERATIONS INFRASTRUCTURE

- ✓ Deploys compute, storage, AI/ML workload, and mission applications at the tactical edge
- ✓ Operates seamlessly in connected, disconnected, or hybrid environments, even if forward and contested
- ✓ Designed for mobility, rapid setup, and integration into operational environments

SPECIALIZED & EMERGING USE CASES

- ✓ Configured for IT, OT, enclave, domestic operations, and mission specific systems and architectures
- ✓ Enables research and experimentation with AI/ML, autonomy, and novel cyber techniques
- ✓ Supports rapid integration of new tools, sensors, and mission applications

HYDRA

Hydra was designed by K54 to remove the traditional boundaries between training, exercises, and operational cyber missions. Built by operators and instructors who support real-world operations, the platform prioritizes realism, flexibility, and mission relevance over fixed scenarios or static lab environments. Hydra is intentionally modular and extensible, allowing organizations to integrate new tools, mission systems, and AI-enabled capabilities as threats and requirements evolve. The result is a cyber operations platform that adapts to the mission, not the other way around.

**LEARN MORE OR
REQUEST A DEMO**

