Markon

HYPER™

HYDRA PERSISTENT EVOLUTIONAL RANGE

HyPER™ creates a living cyber environment where adversaries, user activity, and infrastructure evolve over time, enabling sustained operations, high fidelity training, and measurable readiness.

DESIGNED FOR DoW Cyber Mission Forces | Intelligence Community | Partner Nations & FMS | Other Federal Agencies

What Differentiates HyPER

PERSISTENT ADVERSARY OPERATIONS

Continuous red team and automated threat activity persists across exercise cycles, maintaining access adapting tactics, and building intelligence.

EVOLVING, INTELLIGENCE-DRIVEN TRAINING

Authentic user activity, communications, and operational traffic enable defenders to identify threats within realistic enterprise conditions.

REALISTIC ENTERPRISE ENVIRONMENT

Dynamic scenarios adjust in real time based on participant actions, operational conditions, and adversarial behavior, not pre-scripted exercise paths.

One Platform Ecosystem

- Integrated Infrastructure
- Adversary Emulation
- Enterprise Simulation
- Exercise Control
- Readiness Analytics

HYDRA™
Underlying compute and orchestration layer

SHADOWBREACH™
Automated adversary emulation

SHADOWSIM™
Enterprise traffic simulation

SCADA/ICS SUPPORT
Critical infrastructure environments

DYNAMIC EXERCISE INJECTION
Real-time scenario control

INTELLIGENCE COMPETITION
Attribution and deception operations

MITRE ATT&CK ALIGNMENT
Structured reporting and assessment

PERFORMANCE ANALYTICS
Longitudinal readiness metrics

Operational Benefits

01 **BUILD SUSTAINED READINESS**
Train teams to operate under continuous adversarial pressure across weeks and months — not isolated exercise windows.

02 **DEVELOP REAL THREAT-HUNTING SKILLS**
Identify persistent compromise within authentic operational traffic and evolving attacker tradecraft.

03 **VALIDATE DEFENSIVE CAPABILITIES**
Test tools, detections, and response workflows against adaptive threats inside realistic enterprise conditions.

04 **IMPROVE INTERAGENCY COORDINATION**
Exercise information sharing, attribution analysis, and operational response across complex federal environments.

Learn more & request a demo: markonsolutions.com/hyPER