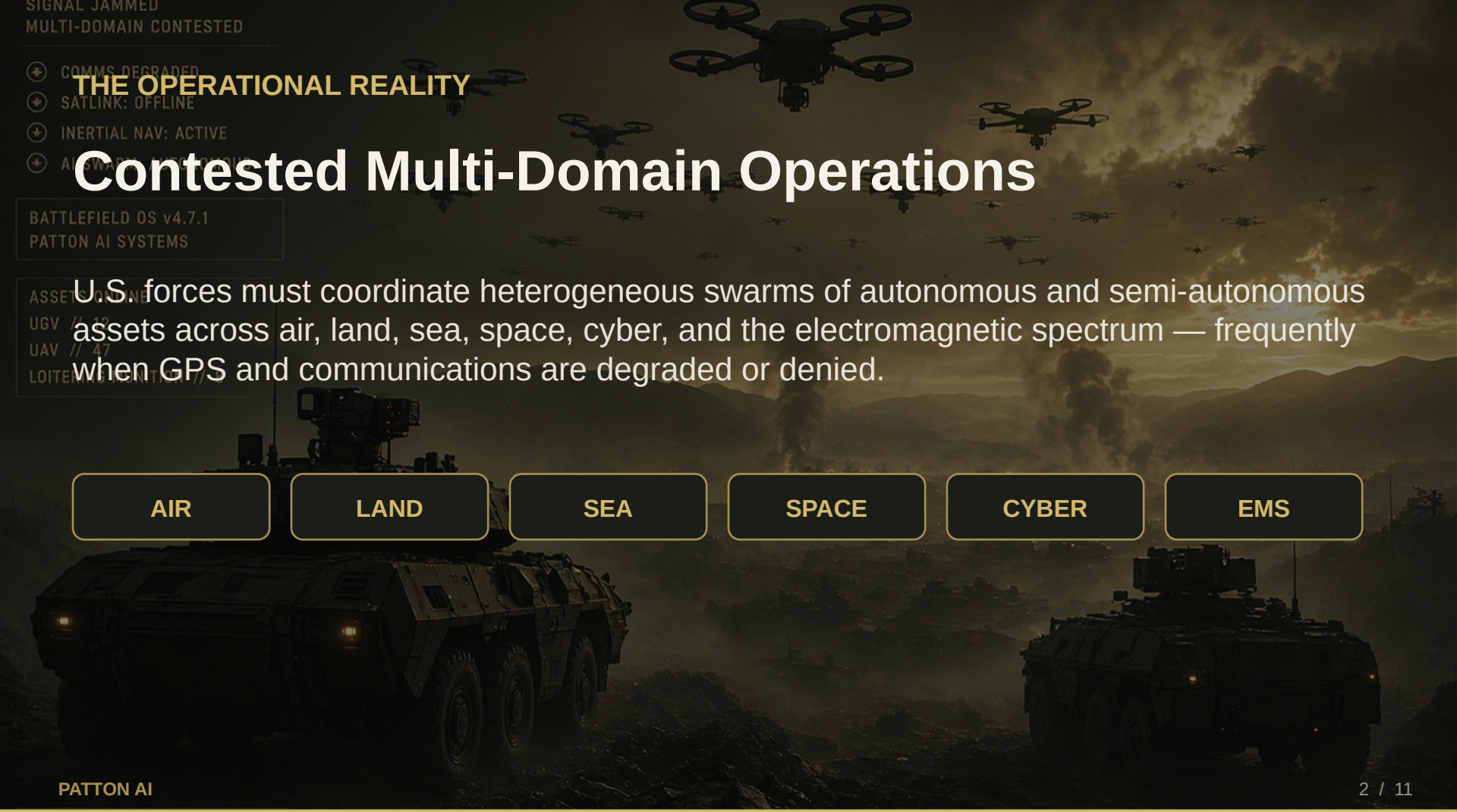
MACHINE-SPEED COMMAND IN CONTESTED ENVIRONMENTS

When all else fails, Patton Prevails

Strategic Overview · www.PattonAi.com



THE OPERATIONAL REALITY

Contested Multi-Domain Operations

U.S. forces must coordinate heterogeneous swarms of autonomous and semi-autonomous assets across air, land, sea, space, cyber, and the electromagnetic spectrum — frequently when GPS and communications are degraded or denied.

AIR | LAND | SEA | SPACE | CYBER | EMS

THE LEGACY FAILURE

Current C2 systems lack the capabilities required for contested environments.

System Latency	**> 500 ms**
Autonomy Level	**< L3**
Environmental Mapping	**Static / Fragmented**
Collaborative Autonomy	**Absent**

THE RESULT

When communication links are severed, operational tempo, force lethality, and situational awareness collapse.

TEMPO LOSS

> 80%

Immediate degradation

LETHALITY

DEGRADED

Force effectiveness drops

SITUATIONAL AWARENESS

FRAGMENTED

Unreliable picture

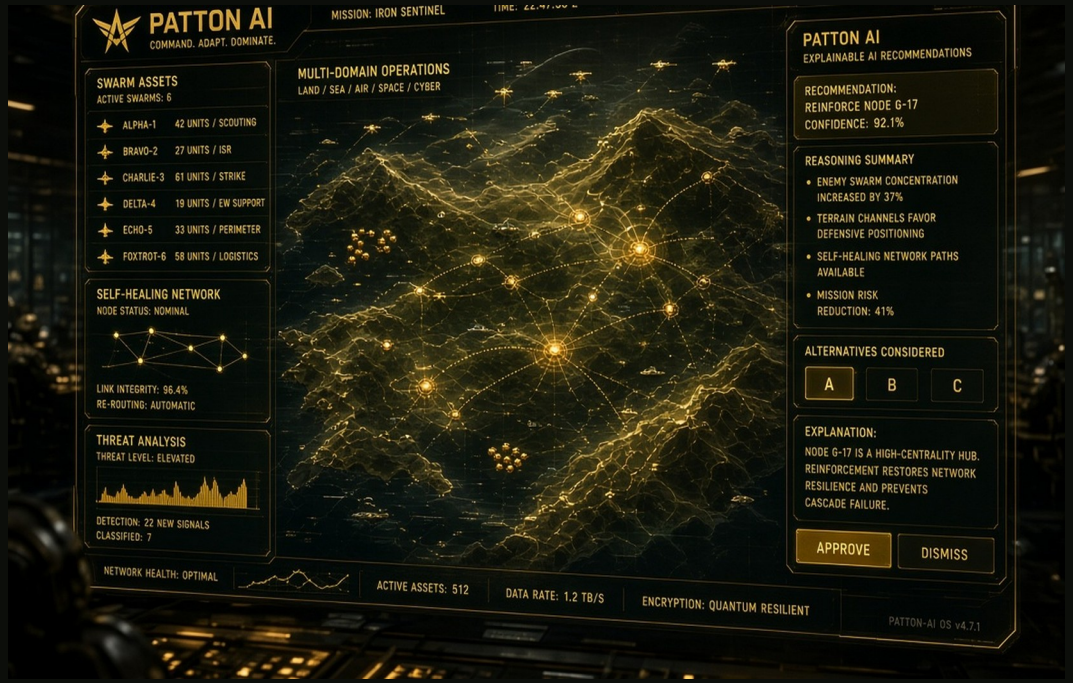
PATTON AI CLOSES THE GAP

The Hive Platform

A modular multi-agent defense platform delivering real-time collaborative autonomy, persistent environmental mapping, and explainable decision support — modeled on the doctrine of maintaining the offensive.

- Real-time collaborative autonomy
- Persistent environmental mapping
- Explainable agentic support
- Human authority preserved

One command layer across every domain



Air / UAV
Fighters, ISR, strike

Land / UGV
Humanoids, armor, logistics

Sea / USV
Surface & subsurface

Space / Cyber / EMS
Denied-spectrum resilience

SELF-HEALING HIVE PROTOCOL

Swarm cohesion under fire

Assets operate as a collaborative swarm capable of receiving, distributing, and autonomously executing mission tasks. When nodes are disrupted, the network reconfigures topology in real time — preserving mission continuity.

10+

Hive-enabled asset types

Real-time

Heartbeat & health status

Self-heal

Topology reconfiguration

PASSIVE SLAM

Navigation when GPS is denied

Every Hive-enabled asset carries simultaneous localization and mapping, enabling autonomous navigation and mission execution even when GPS or communications are degraded or denied.

- Loop-closure detection
- Shared map coverage
- Position confidence scoring
- Visual odometry fallback

EXPLAINABLE AGENTIC SUPPORT

Doctrine-driven recommendations with transparent rationale

Patton AI advances the state of the art by fusing persistent SLAM-based navigation with an explainable AI agent modeled on the doctrine of maintaining the offensive. Unlike black-box systems, every recommendation includes transparent rationale. Operators can instantly reevaluate or override as conditions change.

Compresses the OODA loop

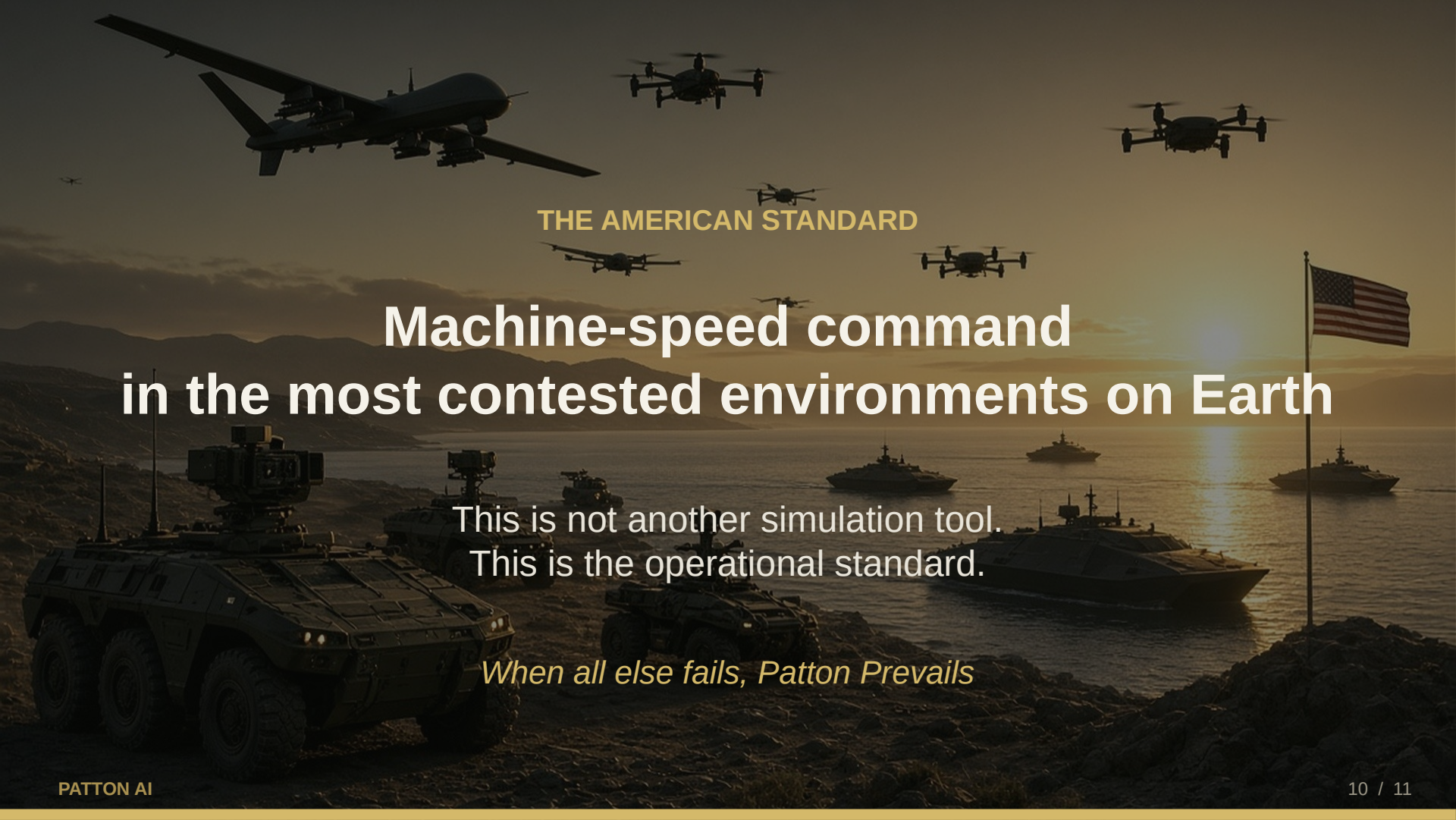
Observe → Orient → Decide → Act at machine speed

Human-in-the-loop

Final authority always remains with the operator

Mission context aware

Recommendations adapt to live battlefield conditions



THE AMERICAN STANDARD

Machine-speed command in the most contested environments on Earth

This is not another simulation tool.
This is the operational standard.

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Command. Adapt. Dominate.