



MACHINE-SPEED COMMAND

IN CONTESTED ENVIRONMENTS

When all else fails, Patton Prevails

Strategic Overview · www.PattonAi.com

SIGNAL JAMMED
MULTI-DOMAIN CONTESTED

THE OPERATIONAL REALITY

- ⊕ COMMS DEGRADED
- ⊕ SATLINK: OFFLINE
- ⊕ INTEL: HOSTILE
- ⊕ AI SWARM: AUTONOMOUS

BATTLEFIELD US V4.7.1
PATTON AI SYSTEMS

ASSETS ONLINE

UGV // 12
UAV
LOI

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

The Hive Platform

A modular multi-agent defense platform delivering real-time collaborative autonomy, persistent environmental mapping, and explainable decision support.

- ▶ 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

When nodes are jammed, destroyed, or isolated, the network elects a new leader and restores full command in under 10 seconds. No single point of failure. No lost swarm.

<10s

Hive failover under
node loss or jamming

10+

Hive-enabled
asset types

Real-time

Heartbeat &
health status





PASSIVE SLAM

Navigation when GPS is denied

Precision terminal guidance that does not emit RF and does not rely on GPS. Works when the enemy has denied the spectrum and the sky.

- ▶ Loop-closure detection
- ▶ Shared map coverage
- ▶ Position confidence scoring
- ▶ Visual odometry fallback
- ▶ No RF emissions

What the Difference Actually Means

Survive the First Strike

Self-healing architecture means losing nodes does not mean losing the fight. Command continuity is measured in seconds, not minutes.

Fight in Denied Environments

Passive SLAM lets munitions and platforms finish the mission when GPS is jammed and communications are contested.

Decide Faster Than the Enemy

Agentic COA generation + real-time simulation collapses the decision cycle. Commanders receive ranked options with full rationale while the situation is still fluid.

Scale Without Chaos

One coherent command layer across domains prevents the coordination friction that has historically limited large unmanned formations.

Keep Humans in Authority

Every recommendation is explainable and auditable. The AI handles the chaos; the commander retains full authority and accountability.

Reduce Cognitive Load 70%+

Analysts and planners are freed from routine correlation and option generation so they can focus on higher-order judgment.

LIVE & PROVEN

Not a Roadmap. A Working System.

70%+

Analyst & planner
workload reduction

<10s

Hive failover under
node loss or jamming

100%

Explainable &
auditable AI

- ▶ Interactive real-time 3D battlespace with live SLAM visualization
- ▶ Multi-domain swarm orchestration and live simulation
- ▶ Passive SLAM terminal guidance mode for contested environments
- ▶ AI-generated, doctrine-aligned Courses of Action with full rationale
- ▶ Automated after-action reports with complete audit trail
- ▶ Complete self-healing across air, land, sea, space, and cyber

EXPLAINABLE AGENTIC SUPPORT

Doctrine-driven recommendations with transparent rationale

Unlike black-box systems, every recommendation includes transparent rationale. Operators can instantly reevaluate or override as conditions change.

Compresses the OODA loop

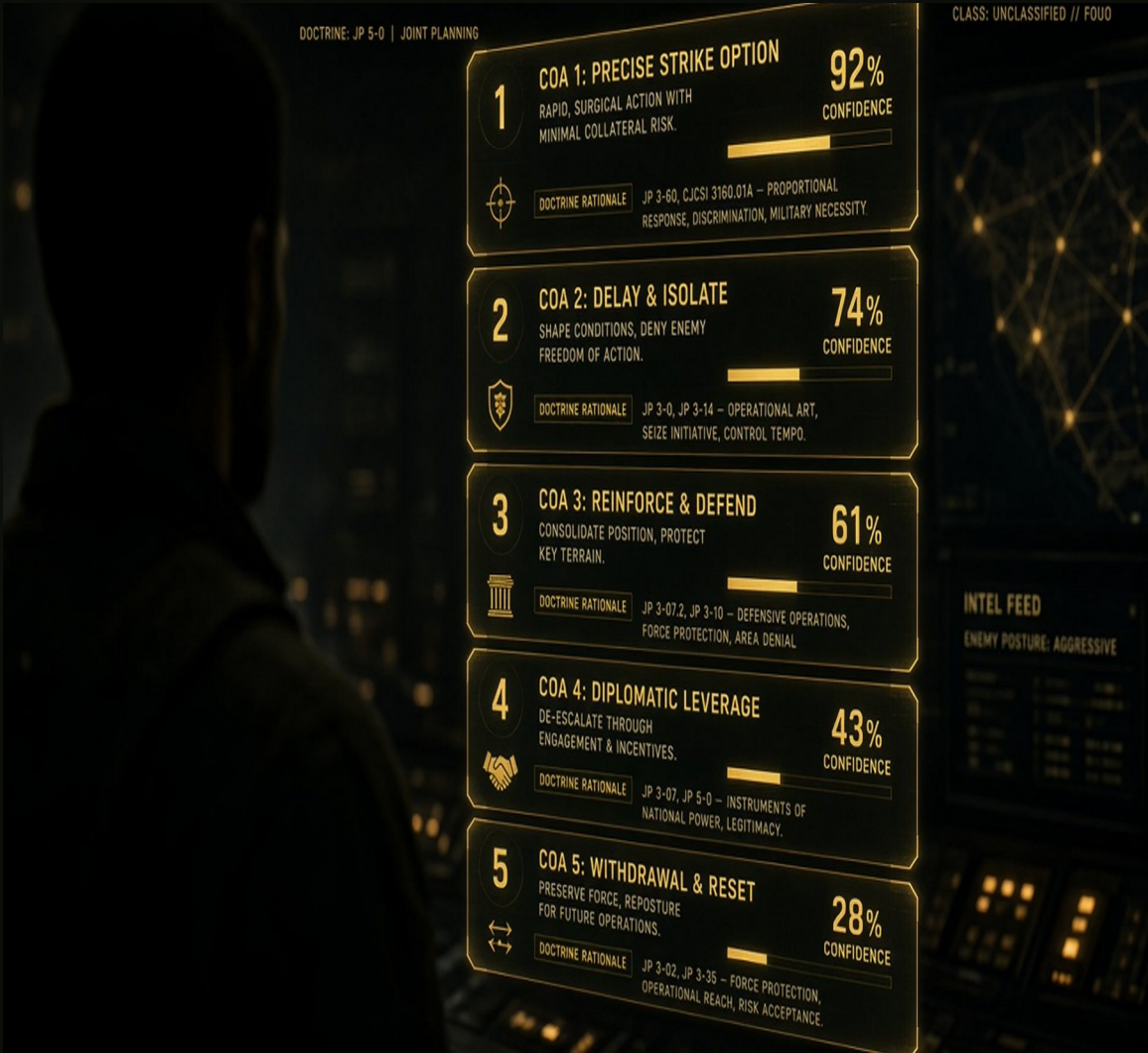
Observe → Orient → Decide → Act at machine speed

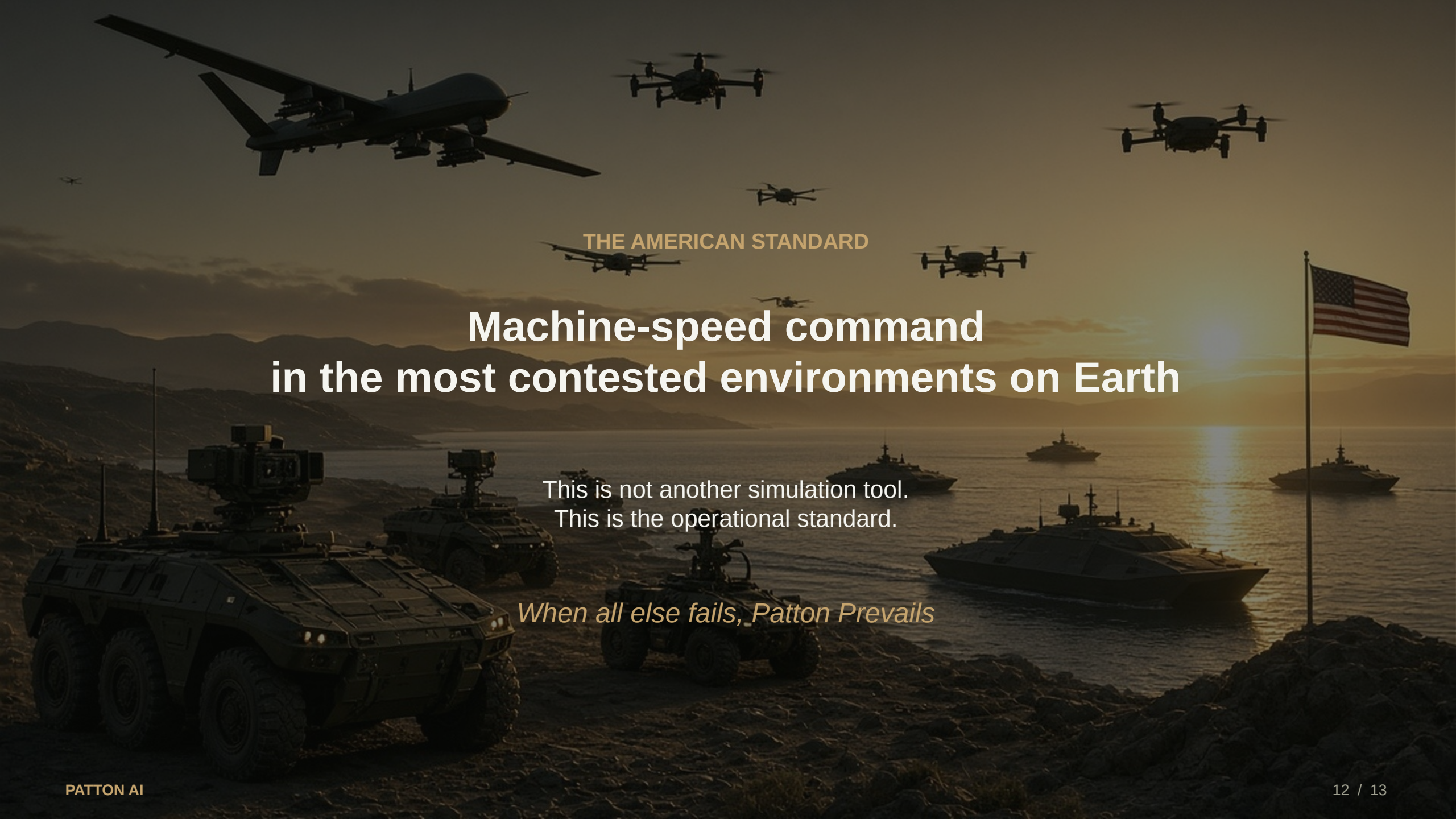
Human-in-the-loop

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.