



PATTON AI DEFENSE

DEFENSE AGENT 4.2

Command & Control at Machine Speed

“LEAD, FOLLOW, OR GET OUT OF THE WAY.”

LAND

AIR

SEA

CYBER

EW

ASYMMETRIC

SPACE

COMPLETE MDO HIVE PACKAGE · Self-Healing Patton Hive™ + Passive SLAM Terminal Guidance · TRL 6 HEAVY

Caribbean International Commerce Holdings LLC (CICH)

ENTERPRISE MVP

Patton-Enterprise MVP

Delivered under Caribbean International Commerce Holdings LLC (CICH)
— a working, deployable multi-domain command system, not a
slideshow.

ENTITY

Caribbean International Commerce Holdings LLC

UEI

NYZDZBV9WMC8

CAGE / NCAGE

135R0



THE PROBLEM

Command & control is failing in the era of multi-domain warfare

THE BRUTAL REALITY



Contested environments overwhelm human decision-makers



Adversaries operate at machine speed — we remain human-latency bound



Legacy C2 systems are siloed, brittle, and fragile under jamming, cyber attack, or node loss



ISR data floods in, but timely decisions drown

RESULT: Delayed COAs, lost initiative, and unacceptable risk to forces and mission success.

THE SOLUTION

The ultimate agentic co-pilot for decision dominance

Patton AI Defense Agent compresses the OODA loop like never before — fusing sensors, simulating adversaries, and orchestrating swarms in real time.



Instantly fuses multi-domain sensor streams into coherent understanding



Simulates adversary intent with Monte Carlo + RL wargaming



Generates and ranks optimal Courses of Action in seconds



Orchestrates heterogeneous swarms — drones, humanoids, ships, subs, satellites



Maintains unbreakable command continuity when nodes are destroyed or jammed



Complete Patton MDO HIVE + Passive SLAM Terminal Guidance

“Human commanders always in full control. AI handles the chaos.”

What Patton AI 4.2 delivers



Geospatial Grid Intelligence

Real-time multi-domain terrain & force modeling



Adversary Simulation

Deep red-force intent modeling, wargaming & probabilistic outcomes



AI-Optimized Planning

Lightning-fast path planning, maneuver, and logistics COAs



YOLO-Powered Recon

Instant object detection & classification from ISR feeds



Multi-Domain Swarm Orchestration

Seamless control of heterogeneous assets across all domains



Passive SLAM Terminal Guidance

Camera + IMU precision homing for Group 1 OWA UAS in denied environments



Self-Healing Patton Hive

Automatic leader election, sub-10-second failover, persistent C2 under fire



Immersive 3D Battlespace

Live SLAM point clouds, asset poses, and guidance vectors

The only platform with true self-healing MDO command continuity.

Patton Hive + Passive SLAM synergy



Patton Hive™

- Distributed self-healing architecture, Redis-backed consensus
- Automatic leader election & sub-10s failover
- Unified asset abstraction (MAVLink, ROS2, custom)
- Full human override with explainable AI



Passive SLAM Terminal Guidance

- Fully passive (no emissions) visual-inertial SLAM
- Robust ORB tracking + loop closure in clutter
- Artificial potential field obstacle avoidance
- Precision homing for one-way attack UAS
- Live SLAM state sync across the entire Hive

TOGETHER: Commanders hand off terminal attack phase to SLAM-enabled assets while retaining full oversight.

Modern · Scalable · Mission-Hardened

CORE STACK



Strategic reasoning & synthesis



LangGraph — advanced agent orchestration



NVIDIA NeMo — scalable models + guardrails



React Three Fiber — real-time 3D visualization



Patent-pending Patton Hive — self-healing MDO backbone

ENTERPRISE READY



Containerized (Docker) & Kubernetes-native



Cloud, edge, or fully on-prem deployment



GovCloud / air-gapped capable



Resilient to jamming & cyber threats

HIGHLIGHTS

From data overload to decision dominance in seconds

70%+

Analyst & planner workload reduced

<10s

Hive failover under node loss

100%

Explainable, auditable recommendations

LIVE MVP CAPABILITIES

- ✓ Interactive real-time 3D battlespace with live SLAM visualization
- ✓ Real-time swarm orchestration & simulation
- ✓ Passive SLAM Terminal Guidance Mode
- ✓ AI-generated, doctrine-aligned COAs with full rationale
- ✓ Automated after-action reports (PDF + audio narration)
- ✓ Complete self-healing across all domains

Built for trust, control, and battlefield realities

Core Principles



Human-in-the-loop always — instant override authority



No autonomous lethal action without human approval



100% explainable recommendations with confidence scoring



Strict guardrails enforced by NeMo Guardrails

Security & Resilience



Role-based access + full audit trail



Flexible deployment — GovCloud, on-prem, disconnected



Patton Hive provides inherent resilience against jamming & cyber attacks

MARKET FIT

Perfectly aligned with DoD strategic priorities

STRATEGIC ALIGNMENT

- JADC2 — true multi-domain command & control
- Replicator — swarm orchestration & attritable systems
- DIU Commercial Solutions — rapid acquisition pathway
- DoD AI & Digital Engineering Strategy

PRIMARY CUSTOMERS



Combatant Commands

INDOPACOM · EUCOM · CENTCOM



Joint Task Forces



Defense Primes & System Integrators

Enterprise MVP 4.2 — live, functional, deployable today



Full Patton MDO HIVE operational



Passive SLAM Terminal Guidance successfully tested



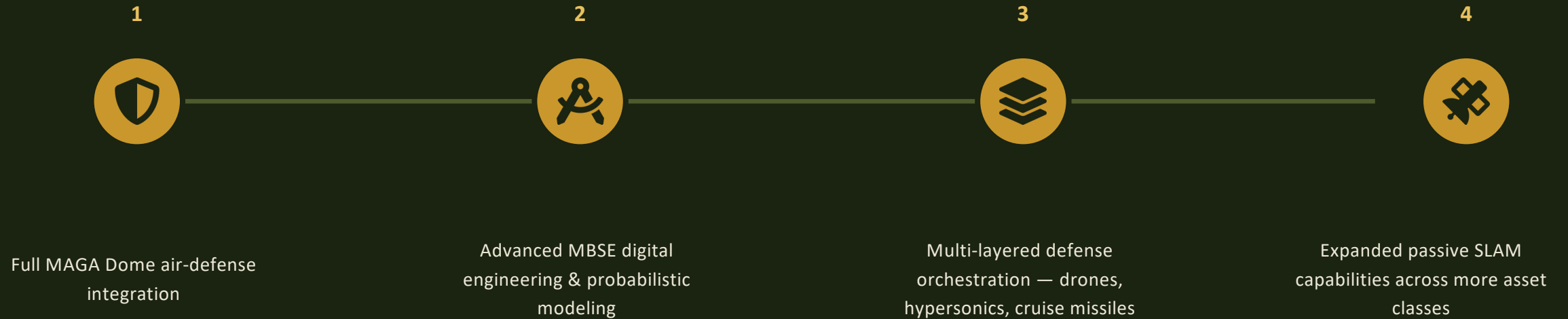
Multi-domain swarm coordination running



Containerized, Kubernetes-ready architecture

“This is not a PowerPoint — it’s working software.”

From tactical edge to strategic national asset



VISION: The unified AI brain for next-generation American defense systems.

NEXT STEPS

Let's put Patton AI in the hands of warriors

WE ARE SEEKING

-  OTA · SBIR · STRATFI funding
-  Prime contractor teaming arrangements
-  Operational deployments

WHY NOW

- Urgent DoD C2 modernization imperative
- Peer adversaries accelerating AI adoption
- First-mover advantage in resilient, self-healing agentic C2



THANK YOU

Let's redefine command & control.

COMPANY DETAILS

Caribbean International Commerce Holdings LLC (CICH)

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PATTON AI DEFENSE

“WHEN ALL ELSE FAILS, PATTON PREVAILS.”