



PATTON AI

PATTON AI 4.5

BORDER · INTERDICTION PROTECTION · SECURITY

Machine-speed command for contested and large-area operations

When all else fails, Patton Prevails

Large areas. Mixed assets. Degraded conditions. Ordinary command systems were not built for this.

Coverage gaps

Borders, coastlines, and critical sites are too large for continuous manned presence.

Fragmented teams

Drones, surface vessels, ground units, and sensors often operate as separate contracts instead of one force.

Comms & GPS stress

Remote terrain, congestion, and contested spectrum break the links most systems assume will exist.

Accountability pressure

Every action in border, interdiction, and protection missions must be explainable and auditable.

Assured multi-domain team command for high-consequence security missions

Border Surveillance & Interdiction

Coordinate persistent air, ground, and surface assets across long frontiers. Maintain tracking and response when individual nodes are lost or jammed.

Maritime & Port Security

USVs + UAVs + shore sensors working as one team in RF-noisy, congested waterfronts and approaches.

Critical Infrastructure Protection

Energy sites, pipelines, water facilities, and transport nodes — continuous multi-layer coverage with full audit trails.

Large-Area Search & Perimeter Security

Self-healing teams that keep searching and reporting when communications are intermittent.

Capabilities that matter when the mission is contested

Self-Healing Hive™

Network elects new leadership and restores command in seconds when nodes are lost or isolated.

Runtime Assurance Shields

Hard safety and policy vetoes that keep autonomous actions inside authorized bounds.

4D Trajectory Negotiation

Air, ground, and surface assets deconflict in space and time without constant micromanagement.

Contested-Comms Resilience

Teams continue coordinated work when links are intermittent, jammed, or partially compromised.

Persistent SLAM Mapping

Shared environmental understanding that does not depend on continuous GPS.

Full Audit Trail

Every recommendation and action carries rationale the commander and oversight body can inspect.

Persistent multi-domain coverage across long frontiers

Border and interdiction missions demand continuous awareness across terrain that is remote, complex, and often communications-challenged. Single-platform tools create gaps. Manually coordinated fleets create lag and confusion.

Detect & Track

Fused multi-asset picture that persists when individual sensors or platforms drop out.

Cue & Respond

Hierarchical tasking that moves the right assets to the right place without collapsing under complexity.

Maintain Continuity

Self-healing command so the loss of a node does not mean the loss of the operation.

Document Everything

Complete, explainable record for after-action review, legal process, and oversight.

Critical infrastructure and high-value site defense

Energy & Industrial Sites

Layered air + ground coverage with rapid re-tasking when a sector is stressed.

Ports & Coastal Facilities

USV and UAV teams that operate inside the RF noise and traffic of real waterfronts.

Pipelines & Linear Assets

Coordinated corridor patrols that share maps and prioritize anomalies.

Transport & Logistics Nodes

Perimeter and approach monitoring that stays coherent under partial outages.

WHY TRUST IS THE PRODUCT



In border, interdiction, and protection missions, autonomy without accountability is a non-starter.

01 Human authority retained

The system recommends and coordinates. The commander remains in final control.

02 Policy-bounded autonomy

Runtime shields enforce hard constraints so actions stay inside authorized limits.

03 Complete auditability

Every significant decision carries rationale that can be reviewed after the fact.

04 Graceful degradation

When the network is stressed, the system does not fail silently — it reorganizes and reports.

Clear language. Clear boundaries. Clear value.

Primary framing

“Multi-domain autonomous team coordination for border surveillance, maritime interdiction, and critical infrastructure protection — with full human authority and complete auditability.”

What we emphasize

- Coordination of mixed unmanned teams, not replacement of operators
- Performance under degraded GPS and communications
- Runtime policy enforcement and explainable decisions
- Continuity when individual platforms are lost or isolated



THE BOTTOM LINE

**Border, interdiction, and protection missions
need teams that keep working when the
environment turns against them.**

Patton 4.5 is the command layer built for exactly that.

When all else fails, Patton Prevails