

XTEND XOS: THE PARADIGM SHIFT IN OPERATIONS

From 1:1 Piloting to 1:Many Mission Command



HUMAN-MACHINE TEAMING:

Fusing human cognitive decision-making with rapid machine execution.



REMOTE OPERATIONS:

Orchestrate swarms of heterogeneous smart robots from anywhere in the world.

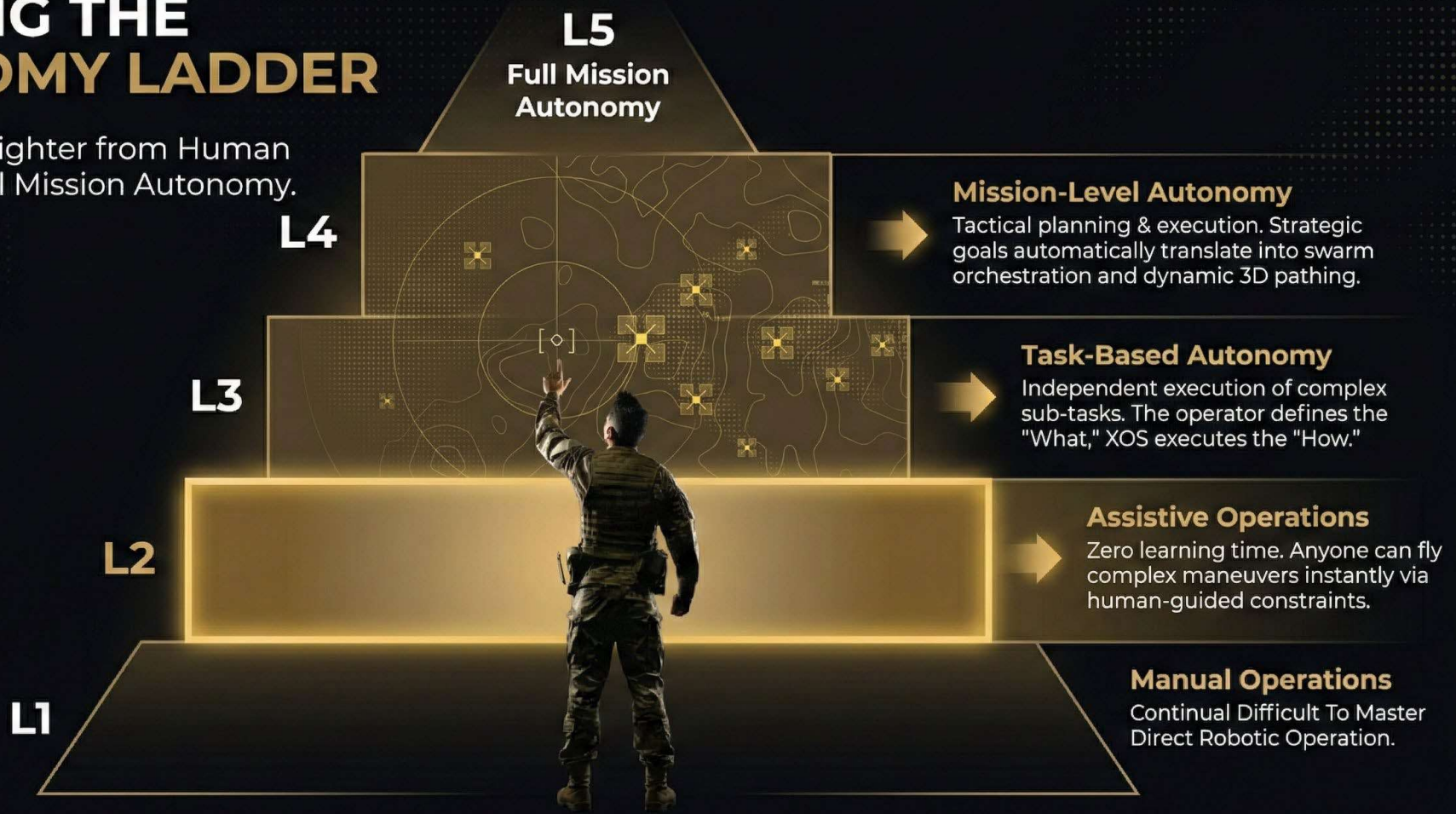


BATTLE-PROVEN REALITY:

Over 10,000 operational systems successfully deployed in active combat zones globally.

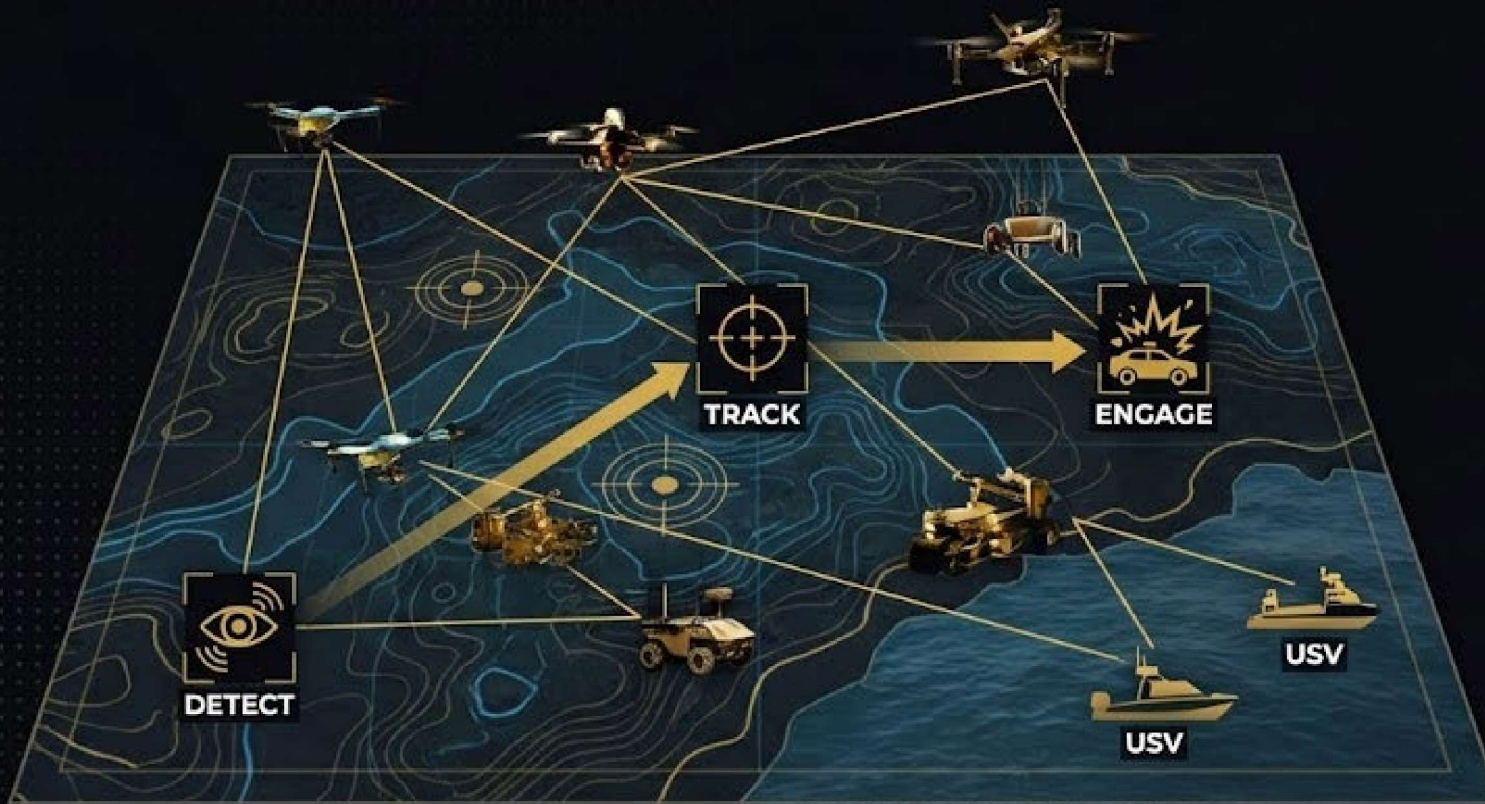
CLIMBING THE AUTONOMY LADDER

Scaling the Warfighter from Human Assistance to Full Mission Autonomy.



XTEND SWARM

MULTI-DOMAIN COORDINATE STRIKE



SWARM ABILITIES

-  Real-time Situational Awareness
-  AI-Driven Task Allocation
-  Resilient Communication Network
-  Rapid Kill Chain Execution

FUNCTIONAL SHOWCASE 1: SEEK & STRIKE (SWARM)

Translating Microtasks into Kinetic Overmatch.

C2 SQUAD MANAGER



FPV + PIP HANDOFF



Microtasks Used: Target ID + Autonomous Handoff (ISR to OWA) + Ballistic Converge.



The AI Skill: Seamless, machine-to-machine target handoff and interception.



Execution: A high-endurance ISR drone detects and tracks a mobile target. XOS automatically passes the precise 3D telemetry to a Loitering Munition (OWA) for a kinetic strike. The operator validates the kill chain; the swarm handles the geometry.

XOS U.S. Patents # 17/424,532
64890, 88572480, 018105367

FUNCTIONAL SHOWCASE 2: POLYGONAL SMART SCAN & REACT

Translating Microtasks into Persistent Situational Awareness.

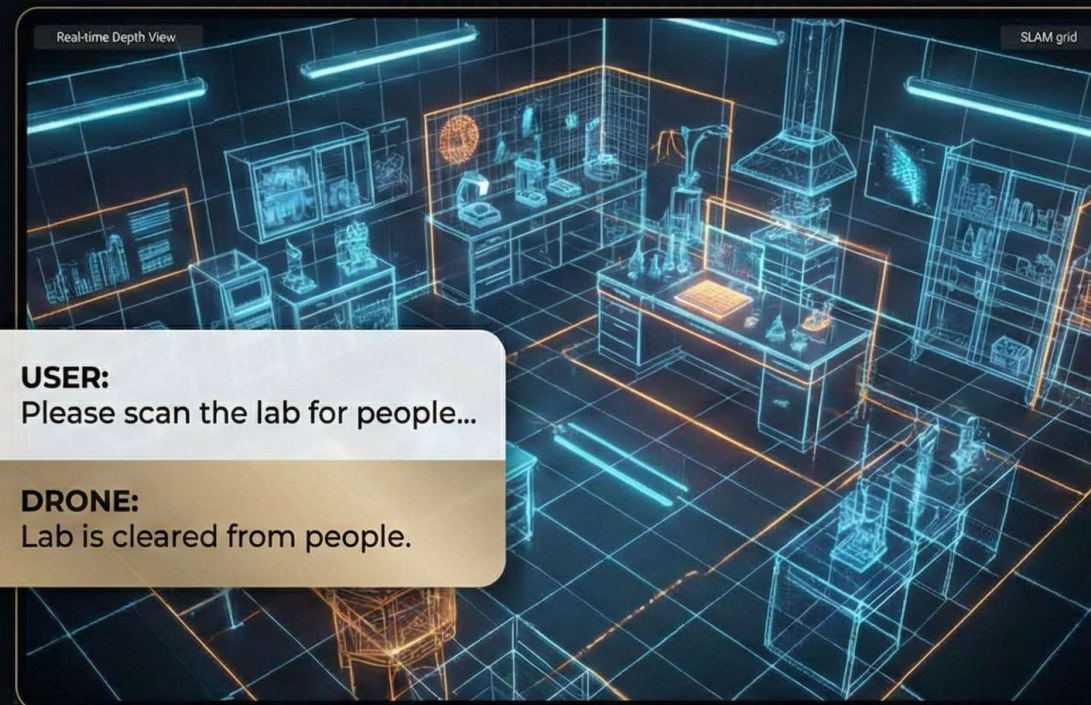
- **Microtasks Used:** Draw Polygon + Zoned ISR + Semantic Tracking.
- **The AI Skill:** Autonomous area dominance and dynamic anomaly detection.
- **Execution:** The commander draws a 2D boundary on the C2 map. The AI Pilot generates the optimal 3D path, deploys the swarm, and autonomously scans the zone.
- **Reaction:** Upon detecting an anomaly, the system actively tracks the object (PiP) and alerts the operator to escalate.



FUNCTIONAL SHOWCASE 3: AGENTIC INDOOR DRONES

Translating Microtasks into
Conversational Breach & Clear.

- ✦ **Microtasks Used:** NLP Translation + 3D Path Planning + CLIP Semantic Targeting.
- ✦ **The AI Skill:** GPS-denied, free-space navigation via conversational commands.
- ✦ **Execution:** The operator commands, "Scan the lab for people."
- ✦ **The Agentic Loop:** The drone navigates free space, builds a real-time depth map, avoids dynamic obstacles (moved chairs/people), identifies targets, and replies conversationally: "Lab is cleared from people."



Real-time Depth View | SLAM grid