C.O.P. NEWS
COMMON OPERATIONAL PICTURE

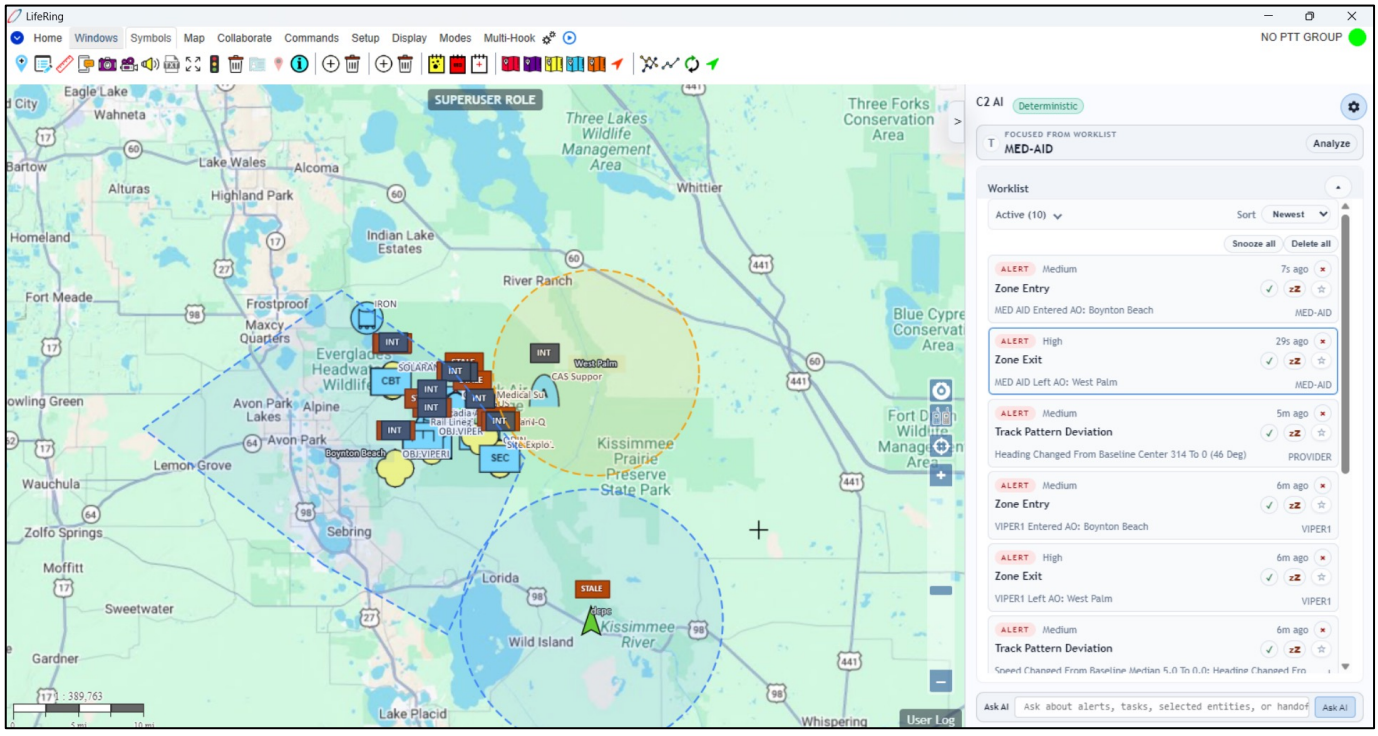
May 2026
Issue #1

AGIS Adds an AI Engine to LifeRing C2 System

Modern Command and Control (C2) environments are saturated with data from multiple domains, far exceeding what human operators can effectively monitor in real-time. AGIS has added an AI engine to its LifeRing C2 system which enables automated pattern recognition, anomaly detection, and prioritization of critical events, allowing operators to focus on decisions rather than data triage.

Need for AI in a C2 System

By embedding intelligence directly into the Common Operational Picture (COP), the LifeRing AI transforms raw inputs into actionable insights. Without AI, operators are forced into a reactive posture - manually scanning maps, correlating reports, and attempting to identify threats under time pressure. Our AI shifts this paradigm to proactive awareness by continuously analyzing activity within an Area of Operations (AO) and alerting users only when deviations occur. This dramatically improves efficiency, reduces fatigue, and enhances mission effectiveness.



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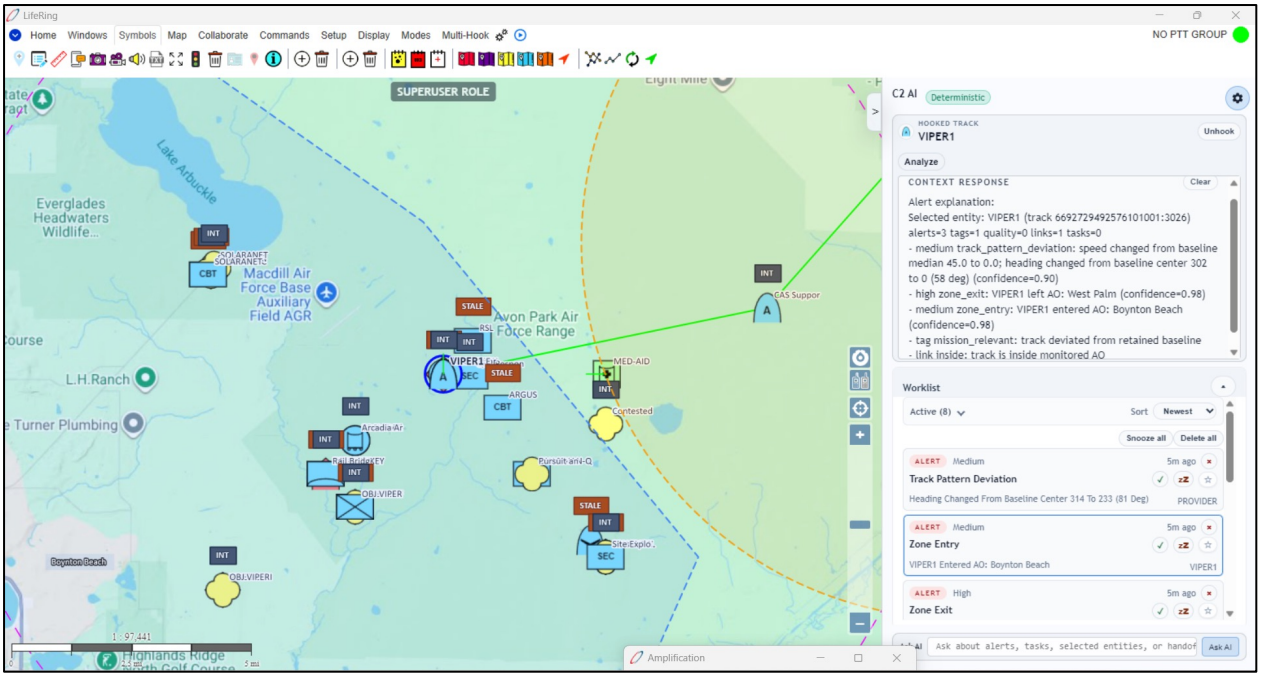
Changing Nature of War & Importance of AI

The nature of warfare has evolved into a highly dynamic, multi-domain environment where speed, information dominance, and precision are decisive. Adversaries now leverage decentralized tactics, autonomous systems, and rapid maneuvering, making traditional linear command structures less effective. AI provides the ability to keep pace with this complexity by identifying patterns and threats that would otherwise go unnoticed. Additionally, modern conflicts increasingly involve contested and congested battlespaces where friendly, neutral, and hostile actors coexist.



AI for Processing Vast Sensor Data

C2 systems ingest massive volumes of data from sensors such as radar, UAVs, satellites, AIS, and ADS-B. The LifeRing AI acts as a data fusion and filtering layer, correlating inputs from these disparate sources into a coherent operational picture. It can automatically track movement patterns, identify inconsistencies, and flag anomalies without requiring constant human oversight.

By applying deterministic rules and probabilistic models, the LifeRing AI can detect subtle deviations—such as changes in speed, direction, or behavior—that may indicate a threat. Alert parameters can be based on preset prompts or allow the operators asks open questions (When did this track enter my AO? Have any tracks in my AO been stationary for more than 8 hours? etc…) which the system can learn and add to the library of prompts.

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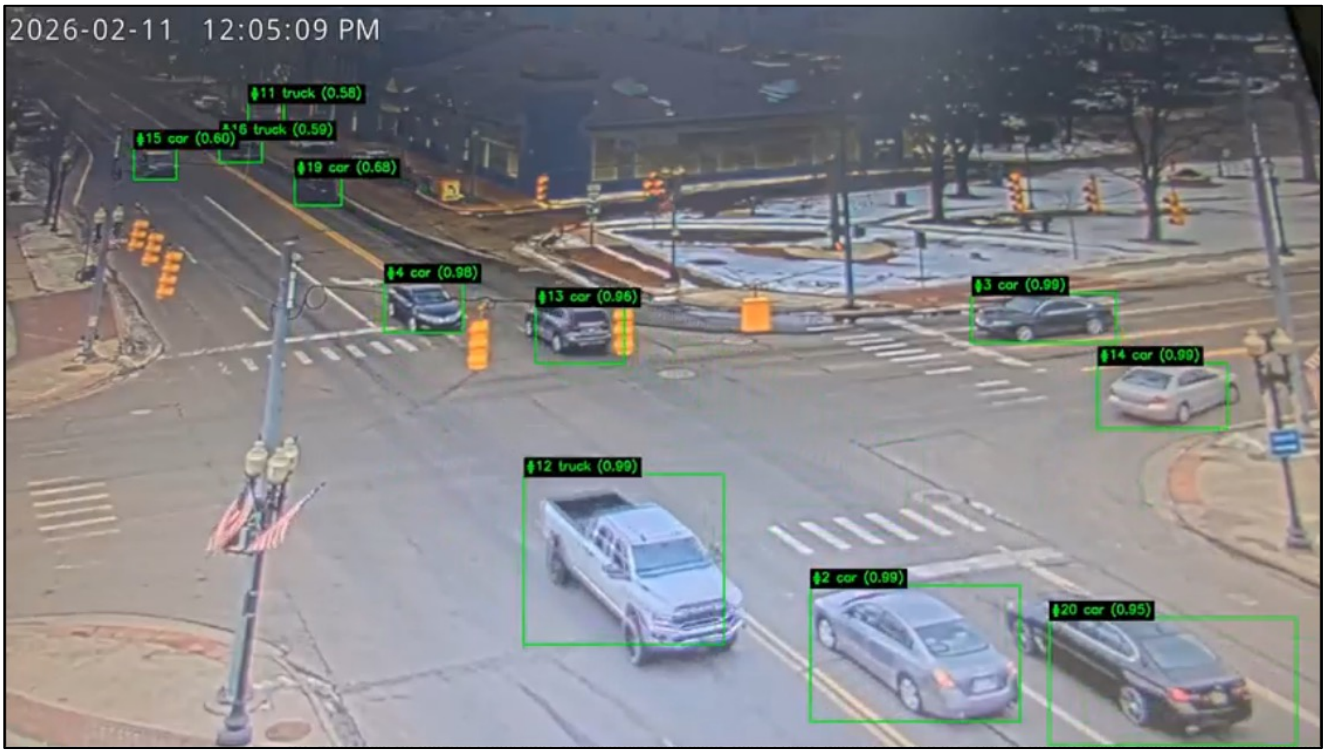
AI for UAV Detection and Alerting

The proliferation of unmanned aerial vehicles (UAVs), including small and low-cost drones, has introduced a persistent and unpredictable threat to military operations. The LifeRing AI enhances UAV detection by analyzing sensor inputs such as radar signatures, acoustic data, and visual feeds to identify drone activity, even when it is subtle or unconventional.

Once detected, the system can assess the UAV's trajectory, proximity, and behavior relative to the AO, generating real-time alerts when thresholds are crossed. This allows soldiers to receive immediate warnings—often directly on wearable devices—enabling rapid protective or countermeasure responses. AI-driven detection significantly reduces the risk posed by fast-moving or low-observable UAV threats.

AI for Processing Video Feeds

Modern operations rely heavily on continuous video streams from drones, fixed cameras, and other ISR assets. The LifeRing AI enables automated analysis of these feeds by detecting and classifying objects such as vehicles, personnel, and equipment, and translating them into actionable data on the COP. This eliminates the need for operators to manually monitor multiple screens for extended periods



https://www.agisinc.com/videos/stream1J.mp4

AI for Rapid Decision-Making

The LifeRing AI accelerates the decision-making process by presenting operators with prioritized alerts, recommended actions, and contextual data. Instead of sifting through raw information, operators are provided with clear, concise insights tied directly to the operational environment. This enables faster evaluation of threats and more confident execution of responses.

In high-tempo scenarios, where seconds matter, AI reduces the time between detection and action. By integrating anomaly detection with real-time COP visualization, operators can quickly validate alerts, coordinate with other units, and execute decisions with greater speed and precision.

Future of AI in Command and Control

AI will fundamentally transform Command and Control systems by shifting them from data-centric platforms to decision-centric ecosystems. As the LifeRing AI continues to evolve, C2 systems will become increasingly autonomous in detecting, analyzing, and even recommending courses of action, enabling commanders to operate at unprecedented speed and effectiveness in complex, multi-domain environments.

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