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Agentic AI for ISR Fusion and Automated Combat Decisioning

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Abstract:

Cognitive bandwidth is a finite resource, and too much of it is going toward managing AI systems rather than leveraging them. Domino is built to flip that equation.

We'll walk through an agentic AI workflow that fuses ISR detections with contextual mission data to automatically surface course-of-action recommendations for Army operators with every step logged and traceable. When the recognition model hits unfamiliar signatures, watch Domino flag the drift, trigger automated retraining, and redeploy through a governed approval gate. The full cycle runs in days instead of months, reducing operator cognitive load and keeping mission teams focused on the decision rather than the process.