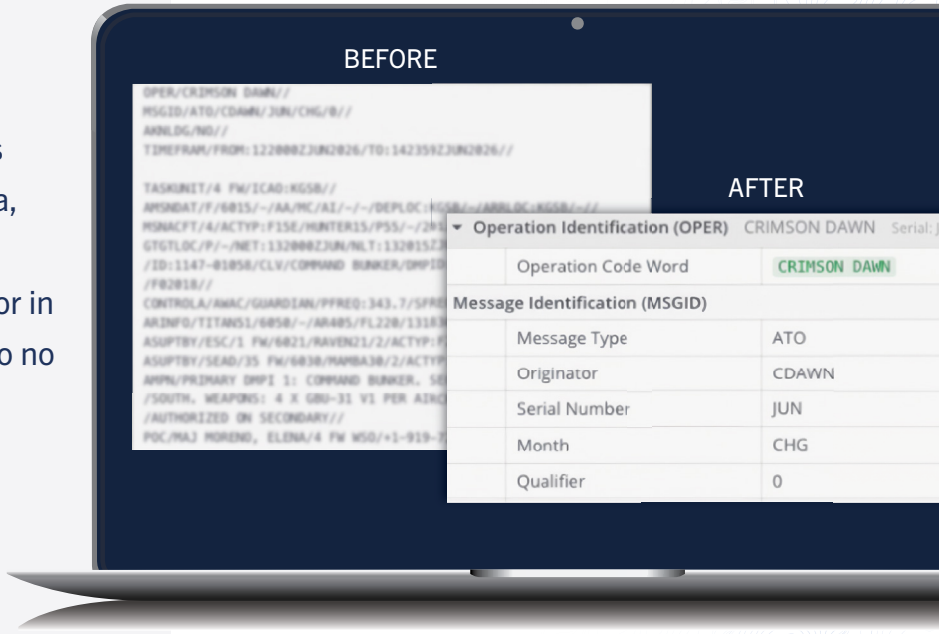
Mattermost

Tactical Fusion: Air Mission Operations from Command to Cockpit

Accelerating mission execution across every base, domain, and time zone

Who is Mattermost?

Mattermost is a self-hosted mission collaboration platform for organizations that demand sovereignty over their data, infrastructure, and communications. It deploys fully on-premises, air-gapped, or in a government-controlled data center, so no data transits third-party commercial servers.



The Problem

Air Tasking Orders set the hierarchy of a mission, but once execution begins the plan meets reality. Orders spread across dozens of roles, bases, and security domains while aircraft divert, weather changes, and threats emerge.

Today's AOCs rely on separate systems for comms, planning, and execution that cannot keep pace or push real-time intelligence to the people who need it.

The Solution

Mattermost gives Air Operations Centers one mission collaboration environment that understands the ATO schema itself, not generic messaging. It parses tasking orders into structured mission channels and keeps every operator informed with real-time status, live sensor and OSINT feeds, amendments, and AI-generated reports, from initial tasking through final execution.

Accelerating Air Mission Operations

Mattermost replaces fragmented AOC tooling with one environment that parses tasking data, keeps every role synchronized, and accelerates execution at the speed of the fight:

- **Automatic ATO parsing into mission channels** - Mattermost understands the ATO schema and routes the right detail to the right role.
- **Bi-directional status rollup** - mission-level and operation-level status stay in sync in real time as orders and revisions flow down.
- **Real-time sensor, ISR, and OSINT feeds** - routed to flight crews and ops commanders without extra radio hops or delay.
- **Integration with existing mission systems and common operating picture (COP)** through **APIs, webhooks, and plugins**, connecting modern and legacy tools without compromising the security boundary.
- **Organization-specific automatic translation** - speeds coalition coordination across partner nations and languages.

Federated, Sovereign Operations Across the Joint Force

Air operations span bases, agencies, and coalition partners, each with its own networks and classification rules. Mattermost keeps them connected without compromising control:

- **Air-gapped, on-premises deployment with automatic failover** - redundant primary, secondary, and tertiary instances keep operations running with no human intervention and no commercial cloud reliance.
- **Federated instances** - allow selective cross-domain distribution across coalition partners within jurisdictional and classification rules.
- **ABAC-driven access controls synced from your IAM system** - provision the right personnel to the right channels by unit, role, and clearance.
- **Program- and channel-level segregation** - encrypts and separates joint strike, escort, and tanker data so it cannot cross classification boundaries.

Sovereign AI for the Air Operations Center

Air operations need AI for planning and reporting, but inference must stay inside your network boundary:

- **Watch Handoff Brief** - gives the incoming watch commander a structured report on all active missions, status, and key events in seconds.
- **Situation Reports and After Action Reports** - assembled from channel activity, labeled AI-generated, and reviewed by an operator before use.
- **Mission Timeline and Decision Log** - capture events, decisions, and context in a searchable record that survives rotations.
- **Sovereign LLM support** - keeps inference, model weights, and responses inside your boundary, with human-in-the-loop review, regenerate, and dismiss controls on every output.

Trusted by Defense and Intelligence Communities

National Security - U.S. Department of War, U.S. Air Force and Space Force, NATO member states and allied nations, European defense and intelligence organizations.

Critical Infrastructure - Turk Telekom, Fujitsu, CERN, and leading defense contractors and integrators.

Ready for multi-domain secure operations?

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