

Building a Unified, Mission-Ready Future

Transforming Defense Workflows
with Mattermost

Is your collaboration strategy mission-ready?

Mission success depends on having people and technologies for seamless collaboration, secure communication, and automated workflows that empower teams to take decisive action in compressed timelines. Ever-increasing speed and complexity across all domains — land, sea, air, space, and cyber — means the demand for integrated solutions that can match that urgency has never been greater.



The Challenge:

While each branch of the Department of Defense (DoD) faces unique challenges, their shared concerns around managing dispersed teams in denied or degraded environments and responding swiftly to evolving cyber threats can delay decision-making, disrupt operations, and jeopardize mission-critical outcomes. The cost of those delays can be devastating.

Achieving compliance with the Joint All-Domain Command and Control (JADC2) framework adds another layer of complexity. JADC2 requires seamless integration across all domains to enable real-time information sharing and joint decision-making. However, fragmented systems, communication bottlenecks, and security vulnerabilities often hinder efforts to meet JADC2's ambitious interoperability and collaboration standards, leaving defense teams struggling to achieve operational cohesion.



The Solution:

Mattermost provides tools to unify communication, streamline workflows, and ensure secure, real-time collaboration tailored to the specific needs of each military branch. Whether it's accelerating the Army's sensor-to-shooter timeline, enhancing the Navy's operations in disrupted, disconnected, intermittent, and low bandwidth (DDIL) conditions, or enabling the Space Force to maintain domain awareness, Mattermost is designed to empower defense teams at every level.

Operational success across all branches of the DoD relies on integrating people, processes, and tools. With Mattermost, defense teams can overcome fragmented systems, automate critical workflows, and maintain the secure communication needed to achieve mission success.

As you explore the pages ahead, envision how tools like Mattermost could streamline communication, enhance decision-making, and ensure your team's mission readiness in even the most challenging environments.



SPACE FORCE

As the newest branch of the Department of Defense, the Space Force operates in some of the most complex and contested environments. With missions spanning satellite management, space domain awareness, and joint operations across vast distances, maintaining secure, real-time communication and operational efficiency is critical. Integrating diverse data sources and ensuring synchronized workflows often pose significant challenges to mission success.



Space Force

Enhancing Coordination in Distributed Operations



To maintain operational superiority in the contested and dynamic space domain, the Space Force requires tools that ensure seamless communication, rapid decision-making, and robust security. Mattermost's capabilities align with these needs, empowering teams to protect critical assets and sustain mission readiness in even the most challenging environments.

Key Challenges

- **Distributed Operations in Space**
Space operations rely on precise coordination between geographically dispersed teams managing satellites, ground stations, and command centers. Ensuring seamless communication in these scenarios is vital.
- **Multi-System Data Integration**
Space Force missions generate immense amounts of mission-critical data, including sensors, telemetry, and satellite imagery, that must be quickly consolidated and analyzed to support timely decisions.
- **Securing Communications in Contested Domains**
As adversaries increasingly target communication systems, it is essential to protect sensitive information with robust, Zero Trust-compliant solutions.

How Mattermost Supports Space Force Operations

- **Real-Time Collaboration Across Teams**
Mattermost ensures secure communication between ground stations, operators, and command centers. By centralizing mission-critical conversations and data sharing, the platform supports dynamic coordination during high-stakes operations.
- **Unified Data Integration**
Mattermost integrates seamlessly with existing systems, consolidating inputs from satellites, ground stations, and sensors into a single platform. This reduces data silos, enabling faster threat assessments and operational decisions.
- **Secure and Scalable Communication**
With end-to-end encryption, role-based access controls, and deployment flexibility, Mattermost protects mission-critical communications from cyber threats, even in contested environments.



Scenario in Action: Maintaining Space Domain Awareness

During a routine orbital tracking operation, a ground station identifies unexpected debris threatening a high-value satellite. Mattermost's centralized communication platform would enable the Space Force to **coordinate in real-time across distributed teams**, meaning engineers could **simultaneously assess telemetry data while command centers update situational awareness**. Additionally, Mattermost's automated workflows prioritize response actions, allowing the team to adjust the satellite's orbit and avoid a potential collision—preserving mission success.

ARMY

The Army's Project Convergence is transforming modern warfare. It aims to achieve decision dominance by connecting sensors, shooters, and command centers in real time.

Achieving these ambitious goals requires overcoming significant challenges, such as fragmented systems, manual workflows, and interoperability barriers that slow the sensor-to-shooter timeline and hinder operational effectiveness.

To support C2 Next initiatives like Project Convergence, the Army needs centralized communication, automated workflows, and seamless integration with both legacy and modern systems.



Army

Accelerating Sensor-to-Shooter Timelines with Integrated Collaboration



In the complex and rapidly evolving landscape of modern warfare, the ability to act decisively and efficiently can have life-and-death consequences. Mattermost provides Army teams with tools to overcome operational silos, accelerate workflows, and maintain secure, seamless collaboration across domains. By equipping teams with these capabilities, the Army can achieve the speed, precision, and coordination necessary for mission success.

Key Challenges

- **Disconnected Systems**
Silos between units and tools delay the dissemination of actionable intelligence, which can slow down mission execution or, worse yet, result in mission failure due to actions taken based on an incomplete intelligence picture.
- **Manual and Resource-Intensive Processes**
Reliance on manual workflows for target verification, mission approvals, and after-action reporting introduces delays and inconsistencies.
- **Interoperability Barriers**
Integrating cutting-edge technologies with legacy systems often requires extensive resources and disrupts existing workflows.

How Mattermost Supports Army Operations

- **Real-Time Collaboration Across Domains**
Mattermost enables secure, centralized communication across units, ensuring teams in the field share critical

intelligence with command centers instantly. This reduction in decision-making delays during high-stakes missions can be the difference between success and failure.

- **Automated Mission Workflows**
Customizable playbooks streamline key processes, such as target validation and mission updates. By automating routine tasks, Mattermost allows teams to focus on strategy and execution; creating significantly accelerated response times.
- **Interoperable Systems Integration**
Mattermost integrates seamlessly with both legacy and advanced systems, enabling the smooth adoption of new technologies without disrupting existing operations. This ensures mission continuity during modernization efforts.
- **Secure and Scalable Communication**
Built with Zero Trust principles, Mattermost provides robust security features, including role-based access controls, encrypted communication, and compliance with DoD standards to ensure sensitive data is protected in all contested environments.



Scenario in Action: Streamlining Sensor-to-Shooter Coordination

During a training exercise, a forward-deployed unit detects a possible threat using CUAS sensors. If using Mattermost, the team could **instantly share the information with command centers**. Automated workflows would increase efficiency of information dissemination to decrease the time required for validation. **This streamlined process reduces the sensor-to-shooter timeline, enabling faster, more precise mission execution.**

NAVY

The Navy's Project Overmatch seeks to achieve decision superiority by integrating distributed forces and ensuring secure, real-time collaboration in maritime environments. Whether operating across vast oceans, coordinating multi-domain missions, or contending with Denied, Degraded, Intermittent, or Limited (DDIL) connectivity, Navy teams face unique challenges that demand resilient communication and integrated workflows.

To achieve their vision of a fully connected battle space, the Navy requires tools that enable secure collaboration, enhance situational awareness, and maintain operational readiness in the most demanding conditions.



Navy

Ensuring Seamless Operations in Maritime Environments

In the complex maritime domain, achieving decision superiority requires tools that support secure communication, seamless collaboration, and operational agility. Mattermost equips Navy teams with these capabilities, ensuring readiness and resilience across all environments. With Mattermost, the Navy can maintain its edge in maritime operations and achieve mission success in even the most demanding scenarios.

Key Challenges

- **Distributed Maritime Operations (DMO)**
Coordinating ships, aircraft, and command centers spread over vast distances creates communication bottlenecks that delay critical decision-making.
- **Deploying to DDIL, Contested and Airgapped Environments**
Operating in environments with limited or degraded connectivity makes maintaining real-time communication and information sharing a significant challenge.
- **Compliance with Security Mandates**
Aligning with Zero Trust principles while maintaining operational flexibility requires advanced tools capable of scaling to mission demands.

How Mattermost Supports Navy Operations

- **Real-Time Communication in DDIL Environments**
Mattermost ensures continuous, secure communication

across ships, submarines, and command centers—even in areas with unreliable connectivity—for reliable mission-critical coordination in any condition.

- **Unified Data Integration for Maritime Operations**
By centralizing data streams from radar systems, ship sensors, and mission-critical platforms, Mattermost reduces information silos for faster and more informed decision-making across dispersed units.
- **Secure Collaboration with Role-Based Access Controls**
Built on Zero Trust principles, Mattermost provides granular permissions to ensure access to sensitive information is limited to authorized personnel. This safeguards operational security while simultaneously supporting agile decision-making.
- **Scalable Deployment Options**
Whether operating in air-gapped or hybrid environments, Mattermost's flexible deployment ensures seamless integration without compromising security or compliance.



Scenario in Action: Coordinating a Maritime Task Force

During a contested maritime operation, a naval fleet encounters an unidentified vessel in a key operational area. Using Mattermost, the lead ship could share radar imagery and situational updates with the task force and command centers in real-time. Despite degraded connectivity, **automated workflows prioritize response actions to ensure mission-critical data is securely distributed to all units.** This seamless coordination enables the fleet to **adapt quickly, respond decisively, and maintain mission success under challenging conditions.**

AIR FORCE

The Air Force operates at the forefront of multi-domain operations, where speed, precision, and coordination are critical to success. Whether synchronizing air and ground assets, managing real-time data from ISR (Intelligence, Surveillance, and Reconnaissance) platforms, or ensuring secure communication across distributed teams, Air Force operations demand seamless collaboration and rapid decision-making.

To meet these demands, Air Force teams need tools for secure, real-time communication and streamlined workflows that integrate with advanced technologies while maintaining compliance with stringent security protocols.

Air Force

Optimizing Multi-Domain Operations with Integrated Collaboration



The high operational tempo (OPTEMPO) of modern air combat and support demands the ability to decide quickly and act with precision. Mattermost equips Air Force teams with tools to ensure secure communication, integrate real-time data, and enhance coordination across domains. By leveraging Mattermost's capabilities, the Air Force can maintain superiority in multi-domain operations to confidently and consistently achieve mission success.

Key Challenges

- **Multi-Domain Coordination**
Coordinating air, space, and ground forces in dynamic and often contested environments requires agile, reliable communication and collaboration tools.
- **Real-Time ISR Data Management**
Processing, analyzing, and disseminating ISR data to drive actionable decisions requires incredible speed and precision.
- **Maintaining Secure Communication**
Protecting sensitive information in high-threat environments requires robust Zero Trust-compliant solutions.
- **Streamlined ISR Data Sharing**
By integrating with ISR platforms and other mission-critical systems, Mattermost centralizes intelligence streams so teams can share, analyze, and take action in real-time.
- **Secure, Flexible Communication**
With end-to-end encryption, role-based access controls, and deployment options for air-gapped environments, Mattermost maintains operational security while supporting rapid information sharing.
- **Automated Mission Workflows**
Customizable playbooks streamline mission-critical processes, from pre-flight briefings to after-action reports so Air Force teams can focus on mission execution rather than administrative tasks.

How Mattermost Supports Air Force Operations

- **Real-Time Multi-Domain Collaboration**
Mattermost provides secure, centralized communication channels that connect aircrews,

command centers, and support teams for seamless coordination across domains.



Scenario in Action: Synchronizing ISR and Tactical Units

During a joint operation, ISR platforms detect hostile movement in a contested area. Using Mattermost, analysts at the command center relay real-time data to tactical units and aircrews. **Automated workflows validate the intelligence and prioritize mission responses, enabling rapid deployment of assets** to neutralize the threat. **The streamlined coordination ensures a decisive outcome, reducing operational risks and maintaining mission integrity.**

CYBER OPERATIONS

Cyber teams operate on the digital frontlines, where the pace of evolving threats demands immediate, coordinated responses. From defending mission-critical systems against ransomware attacks to managing insider risks, these teams need to work at the speed of cyber despite fragmented communication, manual processes, and the need for robust Zero Trust compliance.

To maintain resiliency in this high-pressure environment, cyber teams need tools that unify communication, automate workflows, and enable secure, real-time collaboration during critical incidents.



Cyber Operations

Responding to Threats with Precision



Maintaining operational resilience requires swift, effective response to cyber threats. Mattermost equips cyber teams with the tools to enhance collaboration, automate workflows, and keep communication secure so they can protect mission-critical systems with precision and speed. By leveraging Mattermost's capabilities, cyber operations meet the challenges of an evolving threat landscape while maintaining mission readiness.

Key Challenges

- **Fragmented Communication Across Teams**
Siloed tools and slow information sharing hinder the ability to respond quickly and effectively during cyber events.
- **Manual Incident Response Processes**
Time-consuming detection, containment, and resolution processes increase operational risks and delay threat mitigation.
- **Zero Trust Compliance**
Ensuring secure communication and data protection while maintaining agility requires solutions designed to meet stringent security standards.

How Mattermost Supports Cyber Operations

- **Real-Time Threat Collaboration**
Mattermost provides centralized, secure communication channels that bring together security,

IT, and operations teams for seamless coordination and information sharing during incidents.

- **Automated Incident Playbooks**
Customizable workflows guide teams through standardized response procedures, such as threat containment and resolution, reducing errors and accelerating mitigation efforts.
- **Integration with Security Tools**
Mattermost integrates with SIEM, SOAR, and other security platforms, consolidating alerts, actionable data, and automated triggers into a unified interface to enhance situational awareness and response efficiency.
- **Secure Communication Channels**
Built with Zero Trust compliance, Mattermost ensures encrypted, role-based communication, safeguarding sensitive data while maintaining frictionless access for authorized personnel.



Scenario in Action: Mitigating a Ransomware Attack

During a coordinated ransomware attack, Mattermost enables immediate communication between cybersecurity teams, IT staff, and leadership.

Alerts from the organization's SIEM system feed directly into automated playbooks, which prioritize response actions and guide the team through containment, mitigation, and recovery steps. Secure, real-time updates ensure alignment across teams, reducing response times and minimizing the attack's impact on mission-critical systems.



Empowering Defense Teams to Achieve Mission Success

Across the Department of Defense, operational success hinges on the ability to act quickly, decisively, and securely. Whether navigating complex multi-domain operations, responding to evolving threats, or ensuring secure communication in contested environments, the challenges faced by defense teams are immense—but not insurmountable.

Tools like Mattermost unify communication, automate workflows, and enhance collaboration, enabling teams to overcome barriers and focus on what matters most: achieving their mission objectives.

Defense teams need technical solutions that are designed with the agility, scalability, and security that will both grow with their mission readiness requirements and challenges presented by ever-improving adversaries.

Take the Next Step:

Teams within the [Air Force](#) and [Space Force](#) are already leveraging Mattermost to streamline and optimize mission-critical workflows. The question now is simple: Are you ready to equip your teams with the tools they need to succeed?

**Discover how Mattermost
can empower your mission**



Schedule a Demo

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