

Elevating Aerial Mission Success

ENGAGE Airborne is a **cutting-edge aerial mission application** designed for **Public Safety aircraft pilots**, delivering real-time situational awareness, seamless cross-unit communication, and optimized mission execution.

By integrating with **ENGAGE IMS/CAD**, it creates a **shared operational picture**, connecting **air, ground, and marine units** to enhance **decision-making and mission success rates**.

With **faster response times, dynamic flight path updates, and secure mission coordination**, **ENGAGE Airborne** is the ultimate **aerial response solution** for public safety operations.

Why Choose ENGAGE Airborne?

- ◆ **Faster Response Times** – Real-time mission updates and optimized flight routing minimize delays.
- ◆ **Enhanced Situational Awareness** – Live tracking and operational picture ensure informed decision-making.
- ◆ **Seamless Coordination** – Unified **air, ground, and marine** mission data improves teamwork and efficiency.
- ◆ **Optimized Resource Allocation** – Advanced coordination tools enhance mission planning and execution.
- ◆ **Reliable & Secure** – Built on a **highly secure infrastructure**, ensuring compliance with public safety standards.



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ENGAGE® AIRBORNE

Cutting-Edge Aerial Mission Management &
Situational Awareness Application

The Challenge

Aerial response teams play a **critical role in emergency operations**, including **firefighting, search and rescue, medical evacuations, and law enforcement missions**. However, traditional communication and navigation systems are often **fragmented, slow to update, and disconnected from ground and marine units**, leading to **delayed response times, inefficient coordination, and reduced mission effectiveness**.

Airborne units require **real-time access to dynamic mission data, incident locations, weather conditions, and ground coordination updates**. Without an **integrated aerial operations system**, pilots must rely on **manual coordination, outdated maps, and separate communication channels**, increasing the risk of operational inefficiencies and mission failure.

Additionally, emergency aerial operations often face **limited visibility, unpredictable terrain, and rapidly changing incident scenarios**. Pilots must navigate through **challenging weather conditions, smoke from wildfires, and restricted airspaces**, making real-time data and adaptive navigation essential.

Another challenge is the **lack of unified coordination between air, ground, and marine units**, leading to **miscommunication, inefficient resource allocation, and delayed interventions**.



The Solution

ENGAGE Airborne **bridges the gap between air, ground, and marine units** by providing pilots with a **real-time, shared operational picture**.

Fully integrated with **ENGAGE IMS/CAD**, the app enables aerial responders to **receive mission-critical updates, adjust flight paths dynamically, and communicate seamlessly** with ground and marine teams.

With **live GPS tracking, real-time mission updates, and interactive mapping**, pilots can optimize their routes and react quickly to changing conditions.

Automated workflows, multimedia messaging, and status reporting ensure that all participating units remain coordinated, reducing response times and enhancing operational safety.

By consolidating **mission data, live tracking, and cross-unit communication**, ENGAGE Airborne enhances **decision-making, situational awareness, and overall mission effectiveness**.



Optimizing Aerial Public Safety Operations

ENGAGE Airborne is a specialized mobile application designed for aircraft pilots, providing seamless integration with **ENGAGE IMS/CAD** for enhanced situational awareness, mission coordination, and operational superiority. With all the capabilities of **ENGAGE Mobile**, this solution is tailored for aerial units, offering a **real-time common operational picture** that improves mission success rates.

- Seamless CAD Integration** – Directly syncs with ENGAGE IMS/CAD, ensuring real-time updates between airborne, ground, and marine units.
- Advanced Flight Navigation** – Provides precise route planning and dynamic re-routing based on real-time data.
- Real-Time Mission Management** – Receive and update mission details, status reports, and critical information while in-flight.
- Live Mapping & GPS Tracking** – Enhances situational awareness with real-time incident locations, weather conditions, and resource monitoring.
- Cross-Unit Coordination** – Connects air, ground, and marine teams, ensuring a unified operational picture.
- Multi-Channel Communication** – Secure voice, text, and multimedia sharing for seamless mission coordination.
- Task & Workflow Automation** – Streamlines aerial mission tasks with predefined workflows and real-time task updates.
- Offline & Online Maps** – Provides high-performance navigation and mapping in remote areas with limited connectivity.
- Status Updates & Reporting** – Enables pilots to send real-time mission status updates, improving coordination and decision-making.
- Secure & Compliant** – Ensures end-to-end encrypted communication, meeting the highest security standards for public safety operations.
- User-Friendly Interface** – Optimized for in-flight use with intuitive controls and a mission-focused dashboard.