



KYMETA™



HAWK™
u8

Kymeta Hawk™ u8: Emergency Communications During Hurricane Crises

Kymeta, in collaboration with Intelsat and Help.NGO, enabled critical emergency communications during response operations for Hurricanes Helene and Milton.

COMMUNICATION INFRASTRUCTURE DESTROYED BY BACK-TO-BACK HURRICANES

In late 2024, two major hurricanes struck the southeastern United States in rapid succession, causing extensive damage across Florida, Georgia, and North Carolina. The storms destroyed communication towers, disabled power infrastructure, and blocked transportation routes with debris and flooding.

Emergency response organizations required mobile communication solutions capable of operating in the most challenging conditions while supporting critical search and rescue, emergency relief, and early recovery operations.



Emergency response teams deploy Kymeta Hawk u8 satellite terminals in a hurricane-affected area..

KYMETA HAWK u8 TERMINALS ENABLE MOBILE EMERGENCY COMMUNICATIONS

Working with partners including Intelsat and Help.NGO, Kymeta donated Hawk u8 terminals to support emergency response operations during this critical period. The terminals were integrated into a comprehensive satellite communications deployment leveraging geostationary satellite networks.

What Kymeta Provided:

- Pre-configured Hawk u8 terminals with active connectivity
- Kymeta GO Case with integrated vehicle mount, power conversion, and deployment kit
- 24/7 technical support throughout the emergency response period
- Kymeta Access App for real-time system monitoring and control

Key Capabilities Delivered:

- Communications-on-the-move and communications-on-the-pause functionality
- Automatic switching between satellite and available cellular services
- Low power consumption (<100W) suitable for battery and generator operation
- Simple installation manageable by non-technical personnel



Kymeta Hawk u8 systems providing mobile communications during hurricane relief operations.

CONNECTIVITY RESTORED WITHIN HOURS, OPERATIONS ENHANCED

Immediate Response:

- Connectivity restored within hours of hurricane impact
- Response teams maintained continuous contact while traveling between locations
- Eliminated delays typically associated with setting up traditional satellite equipment

Operational Benefits:

- Simplified operations allowed response personnel to focus on life-saving activities
- High-bandwidth connectivity enabled the use of cloud-based coordination tools and real-time situational awareness
- Supported information sharing and coordination between multiple response organizations
- Enabled real-time tracking of assets and personnel, enhancing operational safety

Broader Impact:

- Validated the use of mobile satellite communications technology for emergency response applications
- Technology was subsequently deployed in other emergency response operations
- Demonstrated scalability for large-scale emergency operations across wide geographic areas

ADVANCED FLAT-PANEL TECHNOLOGY FOR LAND CONNECTIVITY APPLICATIONS

The Hawk u8 is a flat-panel satellite terminal delivering communications-on-the-move and communications-on-the-pause connectivity for mobile applications.

Core Features:

- On-the-move or on-the-pause communications for GEO and cellular networks
- Easy installation with no training required
- Low profile, low power consumption

Applications:

- On-road fleets: trucks / vans / SUVs / buses
- Trains and emergency response: ambulances / Cells on Wheels (CoWs) / fire trucks
- Portable and on-the-pause use cases
- Industrial fixed installations



Installation and operation of the user-friendly Kymeta Hawk u8 satellite terminal.

PROVEN TECHNOLOGY FOR MISSION-CRITICAL OPERATIONS

The deployment of Kymeta Hawk u8 terminals during the 2024 hurricane response operations demonstrated the critical value of mobile satellite communications for emergency response. This successful deployment validated the technology as a proven solution for organizations that require reliable connectivity during mission-critical operations.