



## ADVANCED MOBILE AND TRANSPORTABLE COMMUNICATION SOLUTIONS

*Some people said we couldn't put the capabilities of a fully functioning 911 Operations Center into a mobile platform. They were wrong.*

### SUPPORTING CRITICAL COMMUNICATION

Unanticipated network demands and the remote nature of many rapid response scenarios can render primary communications infrastructure useless. The ability to quickly reconstitute or augment critical communications and network points of presence is essential if your mission calls for the preservation of life, protection of critical infrastructure, and continuity of operations.

Advanced mobile and transportable communications and continuity solutions should be an important element of your overall strategy. From backup emergency operations to remote broadcast news gathering, rapidly deployable mobile and transportable communication solutions mean resiliency and often the difference between mission success and failure.

### MORGANFRANKLIN DELIVERS

MorganFranklin delivers advanced networks and system integration solutions. We have mastered the art of extending critical network points of presence and essential voice, data and video capacity to on-scene and often remote locations using mobile platforms. Government, military and commercial organizations rely on us for non-proprietary mobile and transportable communication systems that meet requirements for being instantaneous, integrated, and independent of public infrastructure.

We combine sound systems engineering principles, deep knowledge of satellite and IP networks, and strong COTS integration skills. Our solutions are engineered for the highest levels of security, compliance with NCSA 3-10, and simplified maintenance and operations. And customers appreciate our one-size-does-not-fit-all approach. Rely on MorganFranklin as your get-it-done partner if you have secure and high-quality voice, video and data management needs that require mobility and transportability.

### SERVICES

- Advanced network engineering and design
- Requirements analysis
- Technology evaluation and assessment
- Continuity of operations planning
- Mobile command platforms (SUV, Trailers, UAV, etc.)
- Small form factor solutions: transit cases, inflatable antennas, etc.
- Independent communications restoration systems
- Backup PSAP and Distributed Computer Aided Dispatch
- Vehicle retrofitting and technology insertion
- Satellite engineering and service provisioning



## BENEFITS

- Rapid restoration and augmentation
- Extension of critical applications
- High-quality situational awareness
- Independence from commercial infrastructure
- Faster response and recovery
- Redundancy and continuity
- Seamless command and coordination
- Lower cost of operations
- Compliance with NCSD 3-10

## CHOOSE MORGANFRANKLIN

MorganFranklin has performed the design, integration and implementation of more than 40 vehicle projects, and more than 60 complex satellite IP networks. With our depth of expertise applied to your specific situation, the design cycle is dramatically shortened. And our technology vendor-neutral approach allows us to focus on delivering the optimal solution to your communications challenge. Our mobile solutions provide the highest level of performance at a price that fits into your budget.

## POSSIBILITIES

Features of our mobile solutions can include streaming video via satellite to make situational awareness and damage assessments possible for on-the-scene and remote users alike; telephone, STU, fax services, and private cellular networks to support regional continuity of operations efforts; radio cross-banding features to ensure interoperability among various radio frequencies to enable different responders and agencies to communicate and interact.

[www.morganfranklin.com/inresponse](http://www.morganfranklin.com/inresponse)



## Communication capabilities in mobile platforms may include:

- Telephone, STU and fax (commercial and DSN)
- Private cellular network independent of existing network (Type-1 encryption, STU3 [STE])
- Land mobile radios (local, state, federal)
- HF, low-band VHF, UHF and 800 MHz
- Radio cross-banding for interoperability
- Can be linked to telephone lines
- Ku-Band SATCOM
- Bi-directional network
- Symmetric data rates up to 45 mbps
- Audio conferencing
- Secure and Non-Secure connectivity
- Internet service (commercial, VPN, NIPRNET and SIPRNET)
- Intercom
- Switchboard, Analog/Digital interface
- Streaming video
  - Video teleconferencing
  - Via satellite or terrestrial links to remote users
  - Video broadcast
  - Web browser interface
  - 802.11 cameras on vehicle provide remote users views of the incident
- Standard interfaces to minimize training time
  - Compatible with all major operational systems and office applications
  - Wireless network hub
  - Can serve as regional COOP/COG
  - Server chassis
  - Storage area network
- 1.5m Ku satellite dish
- Flexibility in dish configurations
- Common power (Up to 40 kW generator)
- Remote capability up to two (2) miles
- Storage for stackable transit cases for quick removal and installation
  - Tent, workstations, tables, etc.
  - SATCOM on the move bi-directional