MOTS

Mobile Tower System (MOTS)

Sierra Nevada Corporation and teammate General Dynamics C4 Systems are developing the US Army's latest rapid-deployment Mobile Tower System (MOTS) that will quickly establish air traffic control (ATC) operations worldwide in all-weather conditions, night or day, for military and civilian aircraft.

The MOTS is a stand alone ATC system with all necessary secure and non-secure communications radios and support equipment. The modular MOTS includes the controllers' shelter, and portable power generator pallet airfield lighting system, and meteorological sensors. Provisions to remotely command airfield operations, including control of existing airfield lighting systems combine with the MOTS' ease of transport and deployment; from armored vehicles within theater, airlifted by C-130 aircraft or CH-47 helicopter to standard land, sea, and air transportation methods.

The interoperable MOTS is designed to support Military ATC operations and communicate with legacy platforms. The MOTS, meeting both FAA/ICAO regulations, is equally adept in supporting civilian venues, including disaster relief efforts, forest fire mobile ATC operations, and temporary tower operations anywhere in the world with a minimal logistics footprint.

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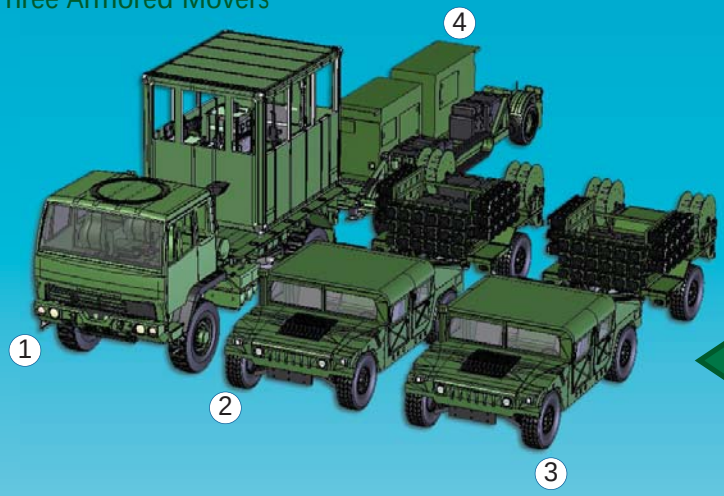
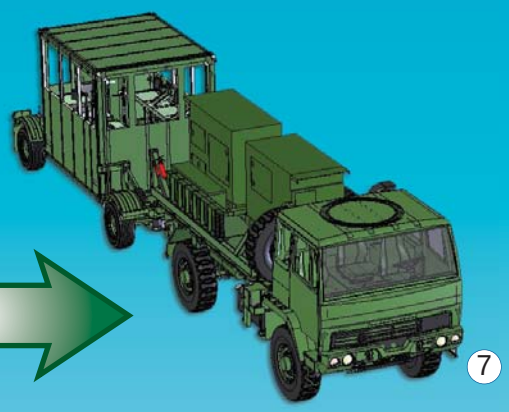
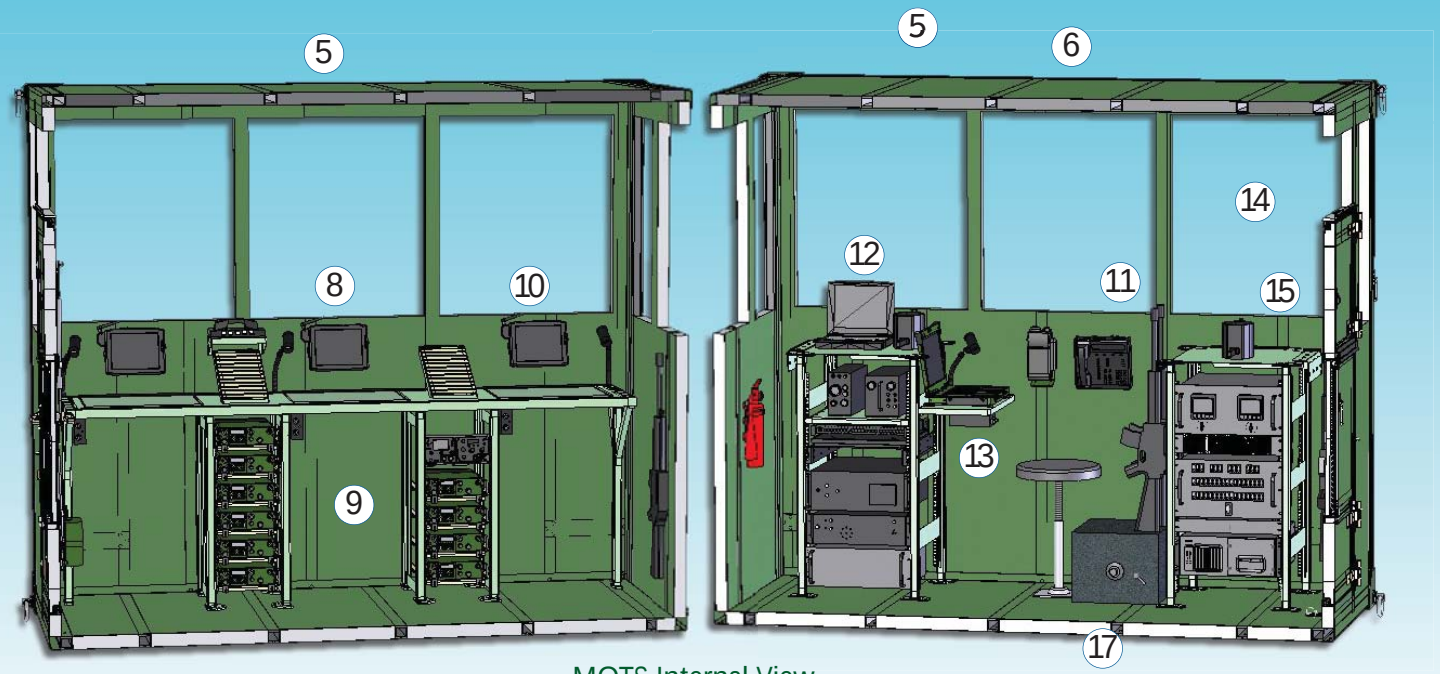
Three Armored Movers



Alternate Transport Configuration





MOTS Internal View

1. Prime Mover: 2.5 Ton Armored LMTV carrying MOTS Shelter while Towing Modular Equipment Pallet
2. Secondary Mover: Armored HMMWV Towing Airfield Lighting System Equipment
3. Tertiary Mover: Armored HMMWV Towing Ancillary Airfield Lighting System Equipment & Generator
4. Modular Equipment Pallet with Generators & Communications Equipment on Mobilizer.
5. MOTS Shelter Roadside Internal View
6. MOTS Shelter Curbside Internal View
7. Alternate Transport Configuration: Prime Mover Carrying Modular Equipment Pallet while Towing MOTS Shelter on Mobilizer
8. Mission-Oriented Shelter Layout
9. Operational Control Subsystem: Operator's Workstations & Radio Racks
10. Direct Accessibility to Flight Data and Communications
11. Multiple Weapons Storage Locations
12. Communications Subsystem: Communications Rack
13. Operational Control Subsystem: Supervisor's Workstation
14. Unique Design Yields Maximum Viewing Area Inside Fully EMI-Compliant Shelter
15. Power Distribution Subsystem: Power Vault
16. PLGR/DAGR & STE Phone located for accessibility
17. Secure Storage

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