

AN/MSQ-135 MOTS

Mobile Tower System (MOTS)

Sierra Nevada Corporation has developed 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, portable 30kW power generator trailer, 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-17 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 other Air Traffic Service (ATS) and Battle Command (BC) systems. The MOTS, meeting both FAA/ICAO regulations, is equally adept in supporting civilian venues, including disaster relief efforts, forest fire mobile operations, and temporary tower operations anywhere in the world with a minimal logistics footprint.



ATC Tower Mover and Airfield Lighting System Movers



Generator/Equipment Trailer:
M1082A1 2.5 Ton LMTV
Cargo Trailer Carrying Tactical
Quiet Generators & Ancillary
Communications Equipment

ATC Tower Mover:
M1083A1P2 5 Ton MTV
Carrying MOTS Shelter

ALS Mover 1:
M1165A1 Armored HMMWV
Towing Ancillary Airfield Lighting
System Equipment and Generator



ALS Mover 2:
M1165A1 Armored HMMWV
Towing ALS Lights

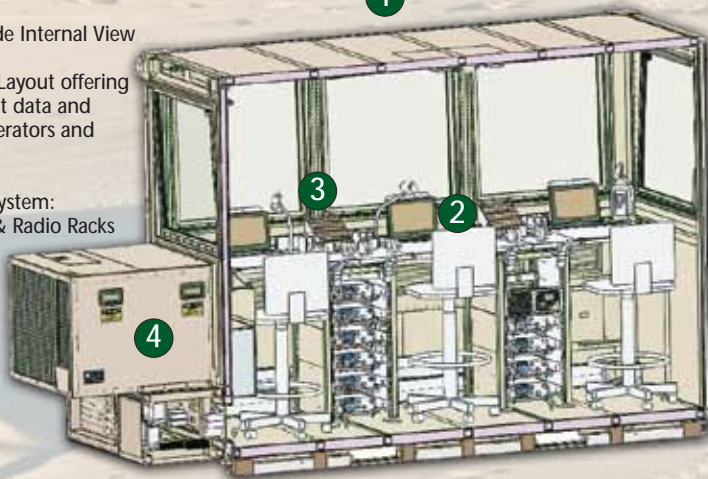
MOTS Internal View

1 MOTS ATC Tower Roadside Internal View

2 Mission-Oriented Shelter Layout offering direct accessibility to flight data and communications for 3 operators and 1 supervisor

3 Operational Control Subsystem: Operator's Workstations & Radio Racks

4 Environmental Control Units provides semi-redundant air conditioning for severe climates



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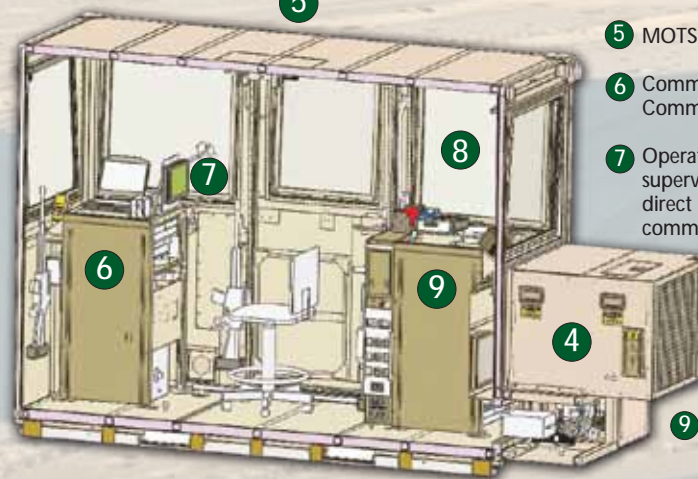
5 MOTS ATC Tower Curbside Internal View

6 Communications Subsystem: Communications Equipment Rack

7 Operational Control Subsystem: supervisor's workstation offers direct access to all flight data and communications with overrides

8 Unique Window Design: 3 degrees vertically slanted, 360 degree field of view and heated

9 Power Distribution Subsystem: Power Vault and Equipment Rack



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