

# Medical Shelter Systems Deployed



The Medical Shelter System is the most popular commercial off-the-shelf (COTS) medical shelter used by the U.S. Air Force for EMEDS Basic, EMEDS +10 Bed and EMEDS +25 Bed Air Force Theater Hospital (AFTH) systems. Since 1999, over 3,000 Medical Shelter Systems have been deployed to support USAF military operations by providing an unmatched level of bed-down and theater-level medical service capability for deployed forces.

## **Medical Shelters Refined From Experience**

The Medical Shelter System is the most tested COTS medical shelter in Department of Defense (DoD) inventory – meeting or exceeding all environmental tests at Aberdeen Test Center and the McKinley Climatic Laboratory. Compared to other soft wall and hard wall shelters, the Medical Shelter System was declared the safest and most survivable medical shelter when exposed to overpressure testing performed by the USAF Research Laboratory (AFRL) Joint SPICE testing.

## **Medical Shelters Engineered For Any Environment**

The modular and scalable design of the Medical Shelter System allows any customer to deploy medical capabilities supporting a full range of military operations including combat, contingency, humanitarian assistance, disaster relief, defense support of civil authorities and stability operations.

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Engineered to withstand sustained winds of 80 MPH (with 100 MPH gusts) and a snow load of 20 lbs. per square ft. (PSF), the Medical Shelter System is able to provide the following force health protection and forward stabilization capabilities in extreme and harsh environments around the world:

- Trauma surgical resuscitation and stabilization
- Emergency care
- Triage
- Preventative Medicine
- Negative pressure isolation
- Decontamination
- Primary care / non-emergency medical care
- Dental services
- Mental health
- Morgue
- ER / OR / ICU
- Patient movement and evacuation
- Medical Command and Control (C2)

## The Medical Shelter System is available in two standard sizes:

20' wide x 32.5' long x 10' high

20' wide x 40.5' long x 10' high

### A Professional Facility for Field Operations

A trained crew of four can setup the Medical Shelter Systems in less than 30 minutes, allowing small medical teams a safe and protected space to provide highly skilled medical care. Field hospital configurations allow for medical systems with a large number of inpatient beds capable of providing specialized care to be deployed to locations where no fixed medical facility exists. The Medical Shelter System was extensively used in Operation Enduring Freedom (OEF) and Operation Iraqi Freedom (OIF).

### Relocation & Redeployment

A single Medical Shelter can be disassembled and stored in a Container. Forklift handling provisions allow the Container to be easily maneuvered in preparation for relocation. Four complete Medical Shelters can be loaded onto a 463L pallet (a total of 4 Containers – stacked 2 high and 2 wide) for transportation by fixed wing aircraft, ship, truck or train.

