



...for all your shelter needs



- Expandable Mobile Shelter (EMS)
- EMI Shelters
- Mobile Medical Unit (MMU)
- Field Office Shelter (FOS)
- Mobile Communication System (MCS)
- Telecom Shelters
- Mobile Power Units (MPU)
- Site Offices



The company

ASTER is an ISO 9001:2000 certified company, has a state of the art design and manufacturing facility to produce integrated mobile systems for use by defence, telecom, and health among other sectors.

Integrated Mobile Shelters provide the capability for ruggedness, thereby facilitating rapid movement by road, rail, sea and air and almost ready for deployment and operation. These mobile shelters meet MIL standards and can be EMI shielded and NBC protected as per customers specifications.



Our Products

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Sandwiched panels

Shelters are assembled with panels made out of PUF sandwiched between aluminium sheets. These panels are assembled (Floor, roof, and wall panels) with associated accessories (profiles, angles and ISO Corners). The sandwich panels with embedded grid structure give sufficient strength and at the same time keeping the weight low.

The sandwiched panels with aluminum skins of 1 mm to 1.5 mm thick (as per customers specification) and PU Foam of 40-80 kg/m³ density as core material are made under hot press bonding method where the panel is cured at a temperature of 80 to 130 °C. This process ensures best bonding at minimum time.

Quality tests

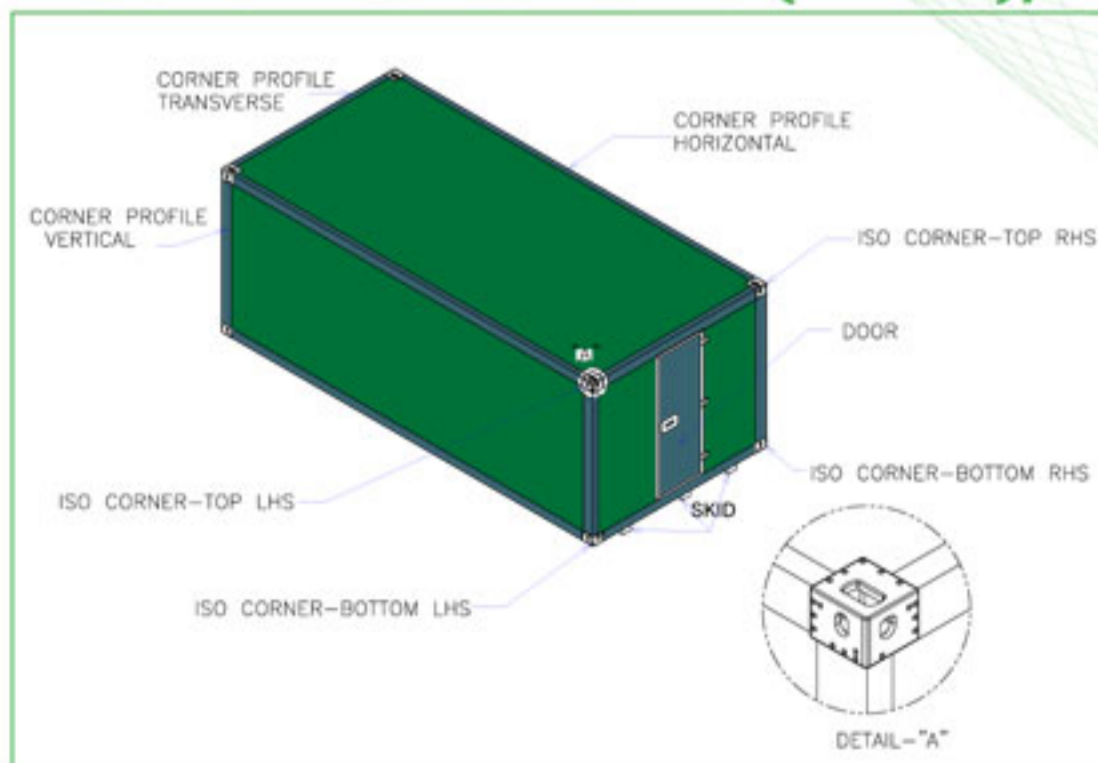
Shelters meet MIL specifications in total and several mechanical and environmental tests in line are conducted with VRDE guidelines and they include:

- Visual & mechanical
- Load test on floor
- Load test on door
- Skidding test - on rollers/ground
- Rigidity of lifting and towing on ISO corners
- Flat drop test
- Rigidity of roof to sudden drop
- Rigidity of shelter supported on 3 points
- Driving rain test
- Road ability test
- Light proof test
- Adhesive shear test on panel
- Flexural test on panel
- Impact test on panel
- Paint test
- EMI test
- Rotational drop test
- Load resistance test of roof

NBC Protection

As a counter measure for operations in a nuclear, biological and chemically contaminated environment, we offer shelters which are NBC protected. Such NBC protected shelters are equipped to provide filtered interior ventilation for persons within the mobile shelter.

Mobile Medical Unit (MMU)/



Mobile Field Hospital & Ambulances

We design and develop ambulances in various categories as per customer's requirement and specification such as:

1. Rescue
2. Normal Hospital service
3. Army application Ministry of defence, Government of India
4. Ministry of Health and Family Welfare, Government of India.

Our MMU fulfils the basic requirement of quality healthcare in rural India. MMU has been designed as mobile self-sufficient convenient and stand alone units equipped with the latest diagnostic facilities to enable quality treatment and diagnostics functions.





Aster Private Limited

Poly Engineering Systems – Shelters

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