



SVARN
Inspired by possibilities

SVARN

SHELTERS FOR DEFENCE APPLICATIONS



Svarn Shelters

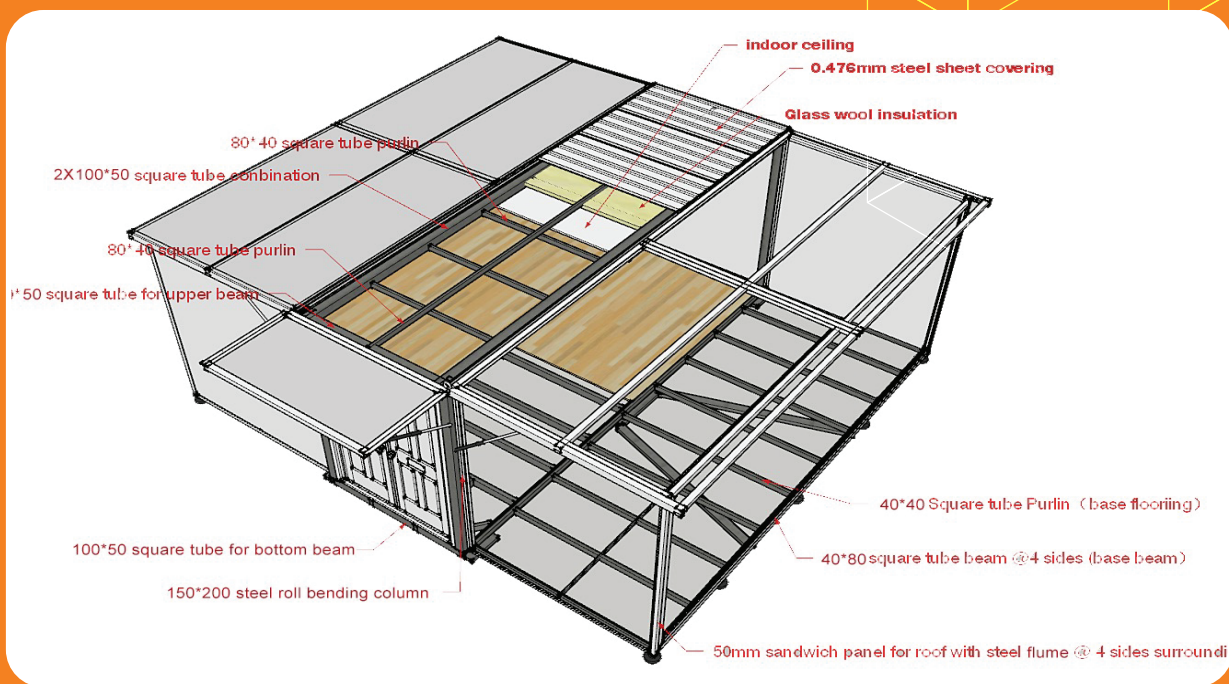
- Designed and manufactured as per customer requirements.
- Ground based (both static and relocatable), trailer or vehicle mounted.
- Stabilized using jacks, designed and manufactured in-house and duly approved.
- Manufactured with materials specified by the customers.
- Designed and manufactured so that they seamlessly include fitment and installation of the Buyer Furnished Equipment (BFE), both inside and outside the shelters.

Types of Shelters Manufactured by Svarn

- EMI/EMC shelters (certified by RCI, DRDO).
- NBC, EMP proof shelters.
- Expandable shelters.
- Communication, living and storage shelters.
- All-purpose shelters (including in remote areas).
- Site offices, kitchens and portable cabins.
- Mobile & stationary toilets.

(Our sandwich panels come with Polyurethane Foam (PUF)/ Polyisocyanurate (PIR) / Rockwool having thickness from 30 to 200 mm, as per requirement and application)





Shelters For Defence Applications – General

- Various types of shelters are required for different purposes by the Armed Forces, globally.
- The types of shelters deployed depend on the specific needs of the formations/units concerned, both in war and peace.
- Shelters are bespoke products, and within the defined constraints, any type of shelter can be manufactured, using a variety of materials.
- Shelters can be built with a variety of need based features, including combinations thereof. A degree of bullet proofing can be done, with a weight penalty.

- Many military formations and units operate with locally improvised facilities or temporary structures, leading to inefficiency and fatigue among personnel. Such elements, both in the field formations and rear areas, could operate from customised shelters that would enhance their operational efficiency, preserve expensive equipment and conserve their energy.
- To this end, Svarn has conceived an array of shelters which can be used by the Military in all types of terrain, temperatures and operational conditions.

Typical Uses of Shelters in the Military

- Integrated Mobile Operations Room Shelters. For various formation and unit HQs.
- Integrated Mobile Command Post Shelters. For various units, where required down to sub-unit levels.
- Mobile Administrative Shelters. For various administrative echelons/units.
- Mobile Medical Services Shelters. For various medical requirements of troops deployed forward.
- Mobile Caravan cum Office Shelters. For formation and unit commanders.
- Static Medical Services Shelters. For treatment of more serious casualties evacuated to the administrative areas.

Salient features

- Mobile (vehicle or trailer mounted) or static.
- Vehicle or trailer, if not provided as BFE by the customer.
- Customisation for any purpose/usage.
- Suitable configuration, size and weight.
- Desired manning pattern.
- Provide for items/facilities/spaces inside and outside.
- Design layout of and install the BFE.
- Cater to various deployment areas and environmental conditions.
- Build in special requirements like EMI/EMC/NBC capabilities.
- Meet all material specifications.
- Power supply.
- Air conditioning, commercial or MIL grade.
- Ergonomics and aesthetics.
- Desired type of painting.



Svarn Multi-purpose Expandable Shelter

- Our Container Based Multi-purpose Expandable Shelter is dismantled from the vehicle and then deployed.
- It is built to maximize energy efficiency and provide ultimate flexibility in configuration, transportation and deployment.
- The unique Structural Insulated Panel (SIP) construction and thermal insulation with PIR (POLYISOCYANURATE) make us one of the industry leaders in the shelter manufacturing process.
- We comply with MIL Standards, which ensures comfortable and efficient living and working at all types of locations, including high altitudes, thereby, enhancing operational efficiency.
- The container has a lightweight aluminum or MS inner frame, floor and ceiling that support the SIPs. The panels are monolithic up to a size of 8m x 3m, thereby making the shelter leak-proof. The shelter has a skid base for dragging it wherever required.
- The unfolding/expandable portions of the shelter feature a floor, and gas spring and winch-assisted ceiling, floor panels and three walls. The ceiling, floor and walls can also be moved and positioned electro-hydraulically. The floor is self-supported on suitable blocks.
- After off-loading from the vehicle, the entire shelter structure can be erected in 5 to 10 minutes by two personnel. The internal setting up time will depend on the application.



Salient features

- It is intermodal (air, road, rail and sea transportable).
- Almost three times the space available in a fixed, non-expanding shelter.
- Customization to meet any specialised requirement, including command posts, billeting, MI room, operation theatre, kitchen, dining room, administration, and more.
- Separate technical and other compartments with heating, ventilation, air conditioning, power supply and air filtration for different types of work. The inner compartment can be sealed for EMI/EMC and NBCW.
- Hydraulic jack system for lifting and lowering the container using universal coupler of prime mover.
- All types of painting to suit the terrain, including camouflage painting.





Expandable Shelter Interiors

Svarn Expandable Command Post Shelter

- This is a specialized shelter designed and manufactured by Svarn for operation off the wheels. It is eminently suitable for use as a command post from the Brigade/equivalent level downwards.
- In order to create extra space (volume) within the command post for seating of necessary personnel and storage of essential materials, the two sides of the container expand outwards, either electro-hydraulically or electro-mechanically, to the desired extent, depending upon the vehicle used.
- The advantage of this shelter is that the deployment time is substantially reduced, while it provides a commodious working environment.
- This shelter can be provided with all the features that Svarn builds into its other shelters.



CORPORATE OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad-121003 (Haryana), India | P: 0129-4294200

74th Milestone, Delhi-Mathura Road, before Hodal Toll Plaza, Distt. Palwal-121005 (Haryana), India

Plot No. 68, 69, 71, 72 & 73, Sector-5, IIE, Sidcul, Haridwar-249403 (Uttarakhand), India

+1800-121-222-999 | helpline@svarn.com | www.svarn.com