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Products for Disaster Management and Rescue.



80 Bed Modular Mobile Hospital for Disaster Management

This particular project of the company has been developed keeping in mind the requirements of the defense forces of the country as well as that of the government bodies/ health related organizations/ NGO's with allied requirements.

The Mobile hospitals are available in ISO 20 feet Containers The containers are composed of steel with a heavy-duty profiled external finish. They are modular in nature and can be assembled in various configurations depending on the requirement. It is designed to be assembled into the following functional units-

A level 4 Hospital having rescue station for emergency medical services and first aids.

A rescue center for general surgical procedures, internal medicine and depending on the situation, emergency rooms.

The MOTS is fully equipped with a full function field operation theater along with all requisite support services in the form of anesthetic equipment, ventilatory support, recovery room etc. It can support all general/ orthopedic/ emergency surgeries as can be undertaken by the surgical team on the field.

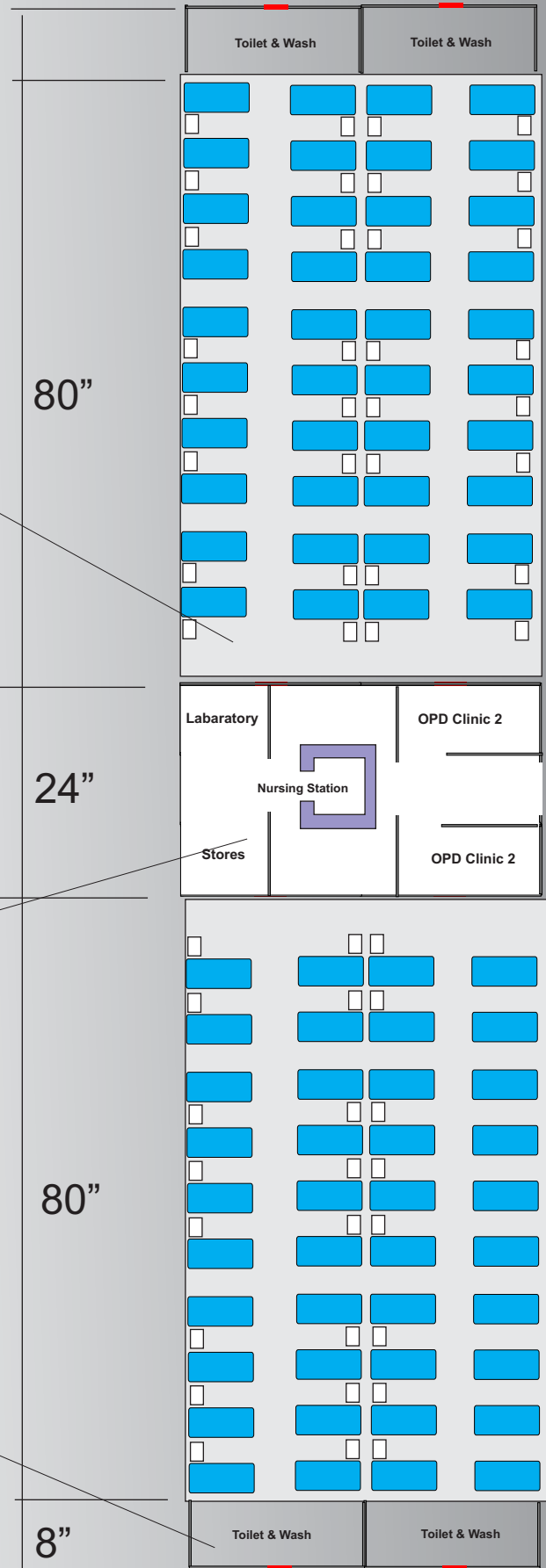
The mobile Container based system can be transported from one place to another on cargo Trucks, Airplane, Helicopter. The following options are available.

Single Cargo truck for single ISO container, useful in narrow paths and mountainous areas. One truck needs to have a crane for unloading the containers on to the ground. Or 40 ft trailers and Horses to carry 2 ISO Medical Containers at a time. They also have optional hydraulic lifting jacks, for loading and unloading.



Layout Of Hospital

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80"

24"

80"

8"

C 19

C 18

40"

Various Hospital departments.

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40-80 Bed Hospital



The above consist of 6 Number Sandwich Panel insulated containers that are assembled side by side to form a full medical facility as per the layout given.

Advantages of this design.

- Pre-assembled with electrical and lighting Fixtures.
- The full Hospital can be loaded in three 40'HC Shipping container.
- Plumbing system is produced according to the European norms
- The full hospital can be assembled at site in 2 days.
- The containers can be combined together to provide space for more people and expandable if required at a later date.
- Easy to transport & Long service life
- Demountable & Expandable
- Re-locatable
- Electric system is produced according to the European norms
- Ceiling is insulated with 80 mm glasswool + 40 mm PU sandwich panels
- Floor are covered with 16 mm cement board + 2 mm PVC vinyl
- Walls are Produced by 50 mm PU sandwich panels.
- Air Conditioning is with Split AC 4 Nos 2 Ton AC.

Inflatable tent for Recovery

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The tents are made of PVC and Nylon cloth and have inflatable air columns and beams to support the structure. 10 x 6 meter standard. With side entry and exit.

REINFORCING SEAMS - Every seam associated with the Inflatable Tent is reinforced with an additional two-inch wide strip of vinyl. After the seams are R. F. sealed they are joined together with a double stitch, this creates 4-6 layers of strength.

The flooring is rubberized tiles laid in a grid pattern. This is covered with PVC flooring cover.



Equipment's in hospital

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Furniture supplied with the hospital.

- Recovery bed semi Fowler bed 40 Numbers with mattresses.
- ICU bed manual 40 Numbers with mattresses.
- Bed Side Storage 80 Nos.
- IV Pole and stand 80 Nos.
- Metal Storage Cabinet of size 3 Ft wide and 6 ft tall , 4 numbers
- Water tank for 1000 liters x 2.
- Nursing Station 1 number.
- Hepa Filtration with ICU

Medical Equipment's supplied with the hospital.

1	Portable ECG unit (12 chanel)	2 Number
2	Dressing Drums (9x11)	SS, 4 Numbers
3	Small Oxygen Cylinder with Mask	10 Number B Type
4	Electronic Suction machine	10 Numbers
5	Examination Light Mobile	2 Numbers
6	Thermometer Digital	10 Numbers
7	Stethoscope 3M Littman 2	10 Numbers
8	Electronic BP Instrument Large Dial	5 Numbers
9	Patient Monitor	50 Numbers
10	Mackintosh Sheets	1000 Meters
11	Foldable Stretcher	10 Numbers
12	Needle cutter	5 Numbers
13	Nebulizer	5 Numbers
14	Negatascope (X-Ray Viewing Box)	2 Numbers
15	Autoclave S type (Melag) S 23	2 Numbers

Packing Boxes for equipments and tents.

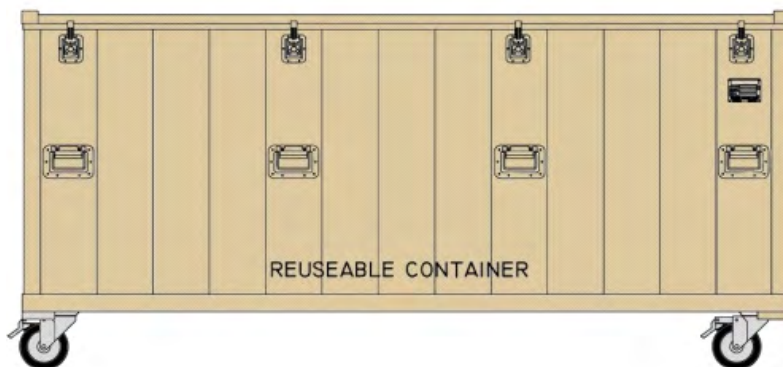
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The Hospital tents and equipments are required to be packed and transported securely from place to place. We provide various types of packing boxes that securely and safely store the delicate medical equipments, Electrical fittings, and tents.

These boxes are anchored inside the corridor container during transport, They also can be transported separately if required by air , sea or land.

After the equipments are removed these can also double up as tables and Miscellaneous storage facility, inside the field hospital.

Delicate Equipment Carrier.



Optional Support Facilities

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In a Field Hospital the support facilities are key to the proper functioning of the hospital. Therefore these facilities like power, water, sewage treatment, toilets, are mounted on trucks to give them the additional flexibility of movement and in case of need the mobile units can be sent for repairs and procuring the consumables that they deliver to the hospital.

Like the Sewage truck needs to empty the tank far away from the hospital at a designated place..

The water tanker may need to be sent for filling water etc..

Portable Water Tanker



Temporary toilets

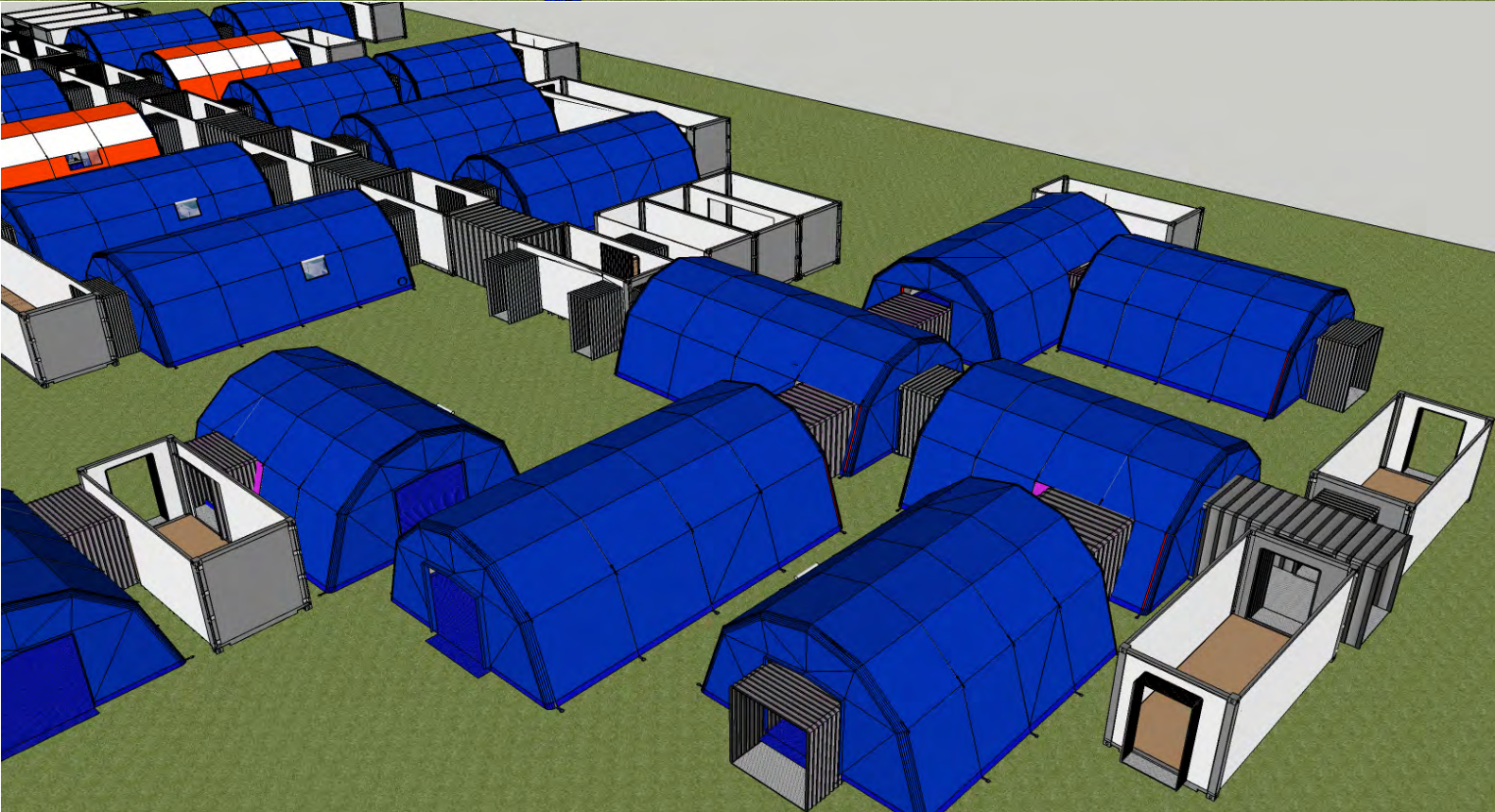
Sewage Treatment Truck



Technology at its best

3 D view of Multiple Shelter System

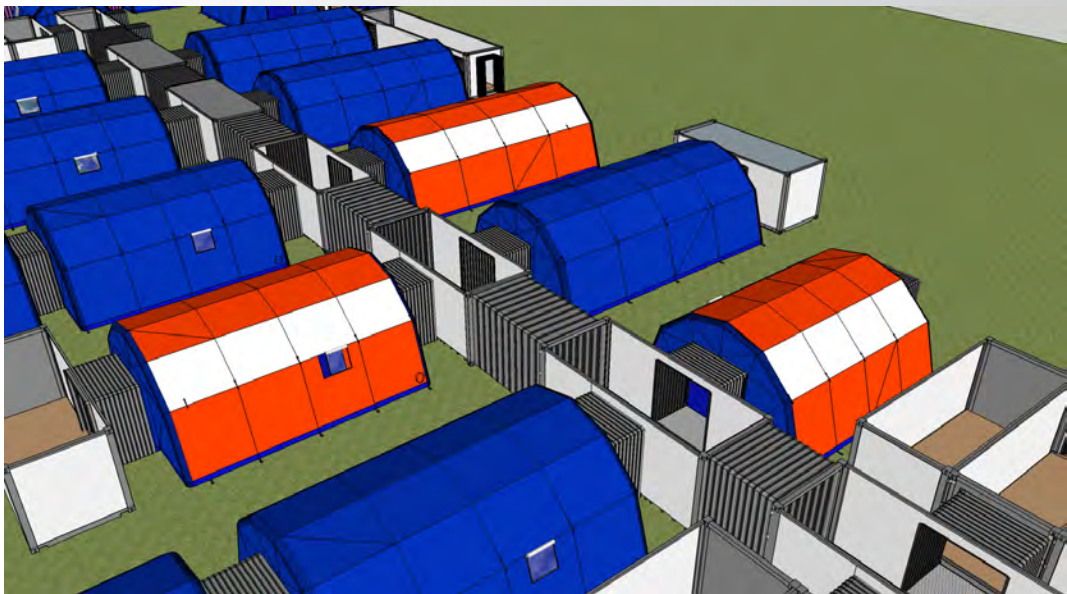
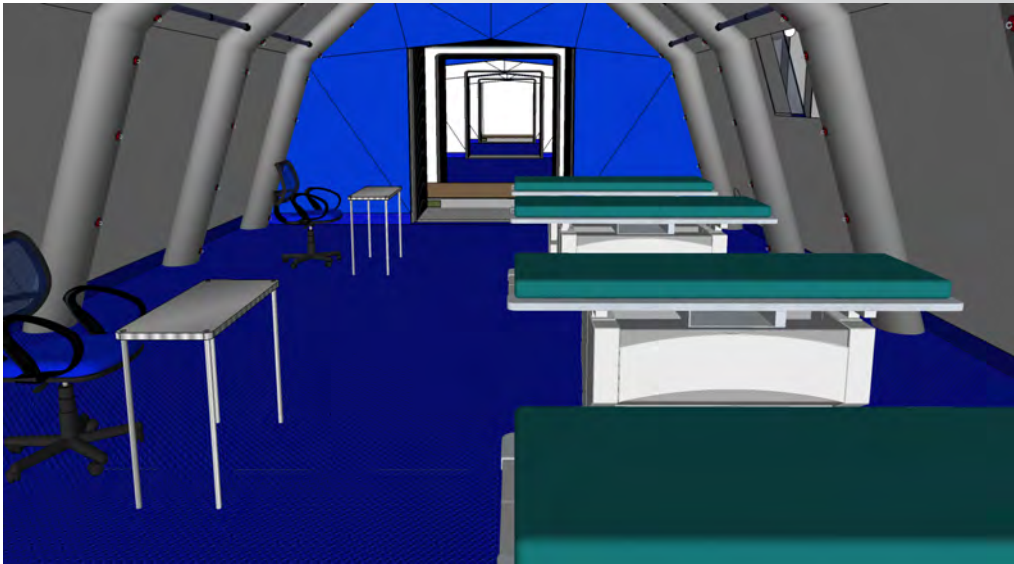
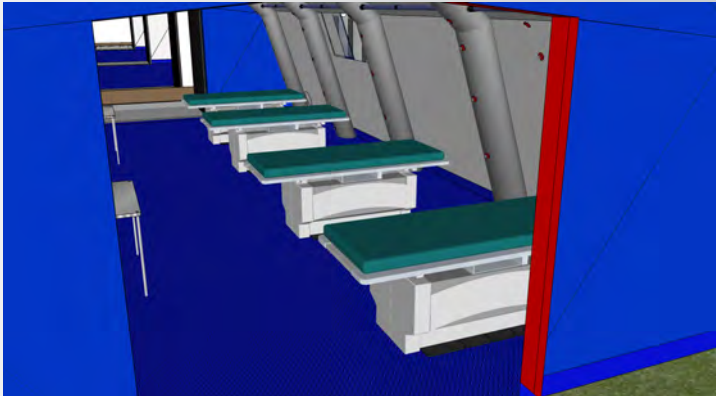
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3 D view of Hospital

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