

# MEDITAINER



CONTAINERIZED MOBILE  
MEDICAL UNITS, FAST TO  
DEPLOY, ANYTIME, ANYWHERE

MEDITAINER MOBILE MEDICAL UNITS - **TAILOR-MADE** DESIGN

# MEDITAINER

Our Value Proposition

## Health Care Development the core of *everything we do*















### Modular Construction – The Way Forward For Healthcare

ModconGroup with more than 20 years at the forefront of the design, engineering, manufacturing, marketing and construction of prefabricated modular health care buildings across world, we are able to offer innovative health care solutions that meet strict international quality standards.

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## MEDITAINER MOBILE MEDICAL UNITS - CONTAINERISED

- |  |   |   |
|--|---|---|
|  Mobile Intensive Care Unit  |  Mobile X-ray Unit         |  Mobile Medical Gas Unit |
|  Mobile Operating Room       |  Mobile Medical Laboratory |  Mobile Mortuary         |
|  Mobile Sterile Service Room |  Mobile Isolation Ward     |  Mobile Dental Clinic    |
|  Mobile Medical Ward         |  Mobile Generator Unit     |  Mobile Pharmacy         |

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*Meditainer is Modcon Group's innovative containerised mobile medical emergency solution delivers a wide range of mobile medical units for emergency situations and areas with limited access to medical facilities.*

## Turn-Key Mobile Medical Units



# Helping the world to **Survive**

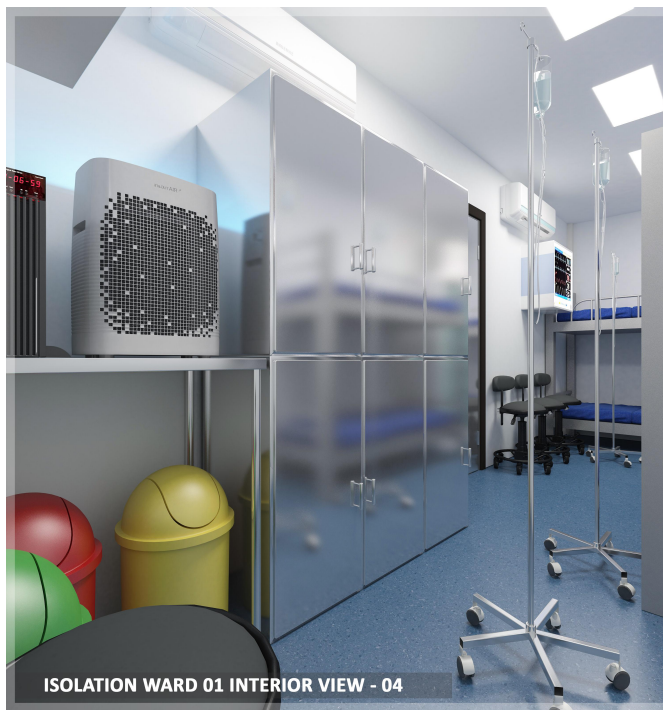
## Engineering a better health care

The COVID-19 pandemic has highlighted the need for an innovative transportable fully functional medical units, that can help to improve health outcomes by providing shortcuts to solutions despite lack of infrastructure. The demand has increased for quickly deployable, transportable, medical spaces.

### Meditainer Containerised Mobile Medical Units

Meditainer provides fully functional mobile medical ICUs, Operating Rooms, Containerised Sterile CSSD Units, Centralised Medical Oxygen systems, Mobile X-Ray Units, Mobile Laboratory, Containerised Isolation Wards, Containerised Diagnostic Units, Mobile Pharmacy, Dental units, Mobile Medical Wards,

Containerised Mobile Mortuary, Mobile Generator Power Supply Units, enclosed vestibules at their ends of each units and accessories to provide a fully functional and quickly deployable hospital units can be easily added into the structure due to the LEGO-like set up.



ISOLATION WARD 01 INTERIOR VIEW - 04

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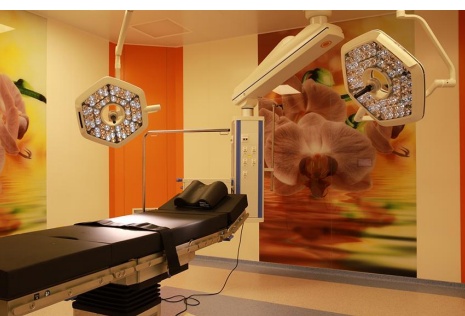
## Turn-key field hospitals are *rapidly deployable*

Meditainer delivers a wide range of mobile medical units for emergency situations and areas with limited access to medical facilities. Our mobile, modular, turn-key field hospitals are rapidly deployable and can be tailor-made to fit any medical specifications, which can be plug-in with your existing hospital infrastructure.



### QUALITY BUILT IN INDIA

Modcongroup is a company specializing in the planning, design and execution of healthcare and related turn-key projects globally - with a particular focus on delivering fully integrated prefabricated hospitals and mobile field hospitals.



### HOSPITALS MANUFACTURED

We are a leading name in turnkey medical engineering and prefabricated healthcare construction industry in the Middle East and Asia.



Customer Experience Management



Extended Manufacturing Solutions

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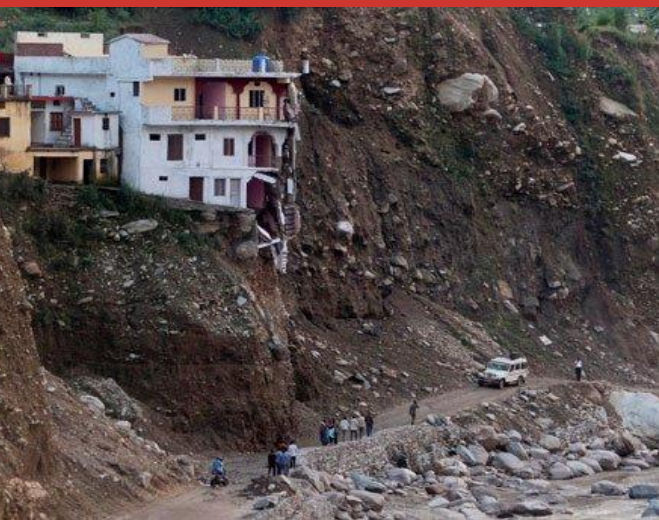
## Mobile Hospital units for Disaster Management

Modcongroup plans, designs, develop, manufacture containerised mobile medical and related turnkey projects for private, military, and government clients worldwide.

Meditainer will be deployed at disaster sites involving Mass Casualty Event & places of large congregations of people to create additional capacity. Meditainer containerised mobile hospitals will be attached with the main hospital.

Today technology permits creation of working space, lighting, environmental conditions, with self sufficiency & availability of equipment similar to that available in tertiary care hospitals in Mobile Hospitals for delivery of specialised care at the site of deployment.

A disaster area requires immediate medical assistance, often on a massive scale Local medical infrastructure likely to have been overwhelmed or undermined. Need to move the victims to point of delivery of medical care- difficult & impractical. Alternatively medical care has to be brought to the victims- Mobile Hospital addresses this.



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## Mobile Medical Units with a competitive edge



### Mobile Intensive Care Unit

Meditainer ICU, that are turn-key and rapidly deployable to ensure immediate high-quality care. Our mobile field hospitals are designed for emergency situations in remote areas.

Because of their modular design and portability, Meditainer container hospitals can be expeditiously deployed on site at critical infrastructure facilities and from there relocated as needed to designated areas in and around major population centers.

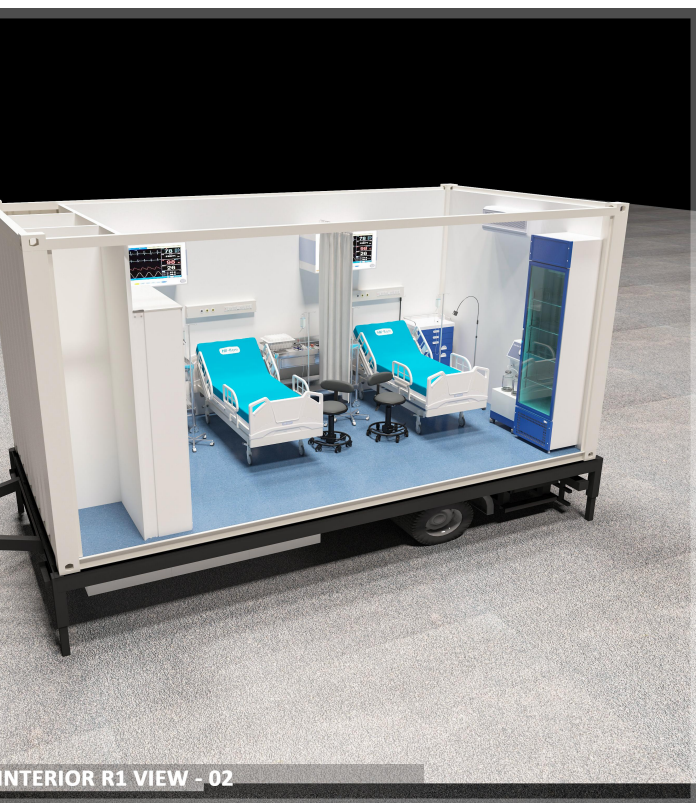


ICU 2 INTERIOR R1 VIEW - 03



Self-contained with integrated power, lighting, heating, ventilation (99% HEPA filtration), air conditioning, plumbing, medical gas/vacuum, nurse's call system, synchronized time, and communications systems Transportable by tractor, or truck head.

Redundant systems for power, water, vacuum and communications, Holding tanks for storage of potable, gray and black water, Uninterruptible Power Supply (UPS) system



INTERIOR R1 VIEW - 02

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## Mobile Operating Room A full-fledged surgical unit

Meditainer provides mobile surgical solutions that are turn-key and rapidly deployable to ensure immediate high-quality care.

The surgical meditainer can be deployed in post-disaster areas, (post-)conflict areas or function as a semi-permanent hospital.

Every container is equipped with insulated and easy to clean walls and medical floors. The equipment and configuration can be changed upon customer request.

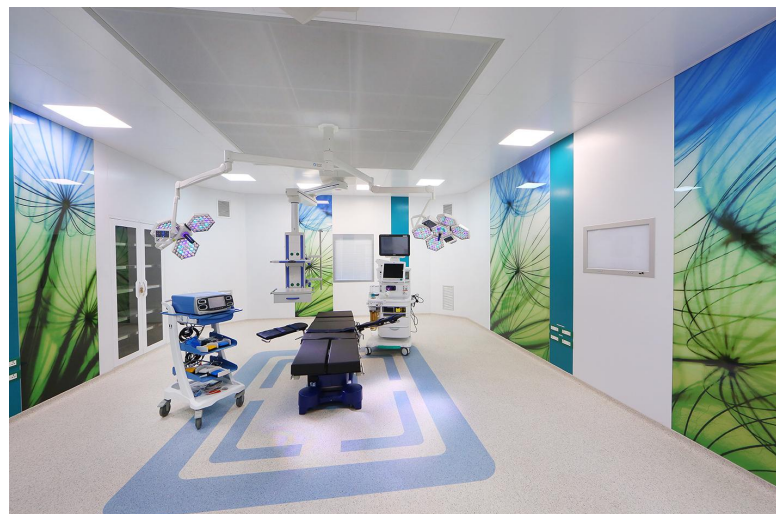
Additional modules, like CSSD, X-ray, general treatment units and wards can be easily added into the structure due to the LEGO-like set up.



Clean and sterile medical instruments are of the utmost importance. meditainer provides containerised sterilization units.

This sterilization units can be added to Operating room.

Deep industry knowledge of product development combined with intelligently different approach to technology and IT solutions that help us enable our clients realize better products that are better, faster, safer, greener, and experiential.



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## Mobile Central Sterile Service Unit

When Sterilization emergencies or shut-downs are inevitable



Mobile central sterile services department (CSSD) they are crucial in keeping departments running and battling infection in the hospital. Sterilization emergencies or shut-downs are inevitable.

In situations where the central sterile processing department has to shut-down due to renovations, construction work, or sterilization equipment malfunctioning, you need a Meditainer mobile sterilization solution that keeps your hospital or healthcare facility running with the same quality output and efficiency of your existing mobile sterile processing department.

Our central sterilization solutions can be custom designed to support any number of operating rooms and tray output to keep your hospital running at full capacity. Meditainer mobile sterile processing systems are engineered to meet all local, state, and federal regulations so that you continue to produce a high standard of sterilization processes without compromising the safety of your staff or patients.

Mobile Sterilization Processing Solutions by meditainer offer mobile sterilization trailers for quick deployment and easy set-up. Meditainer mobile sterilization trailer units are high-tech on trailer that provide you with a turnkey solution and include receiving, decontamination, preparation and packaging, sterilization, and distribution.

Our modular central sterilization supply departments are built in our facility and transported to your site for set-up, testing, and training. There is no size limit and it can be configured to your needs. Modular Central Sterile Supply Departments are also available for long-term lease and/or ownerships.





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## Mobile X-ray Unit Redefining Radiology

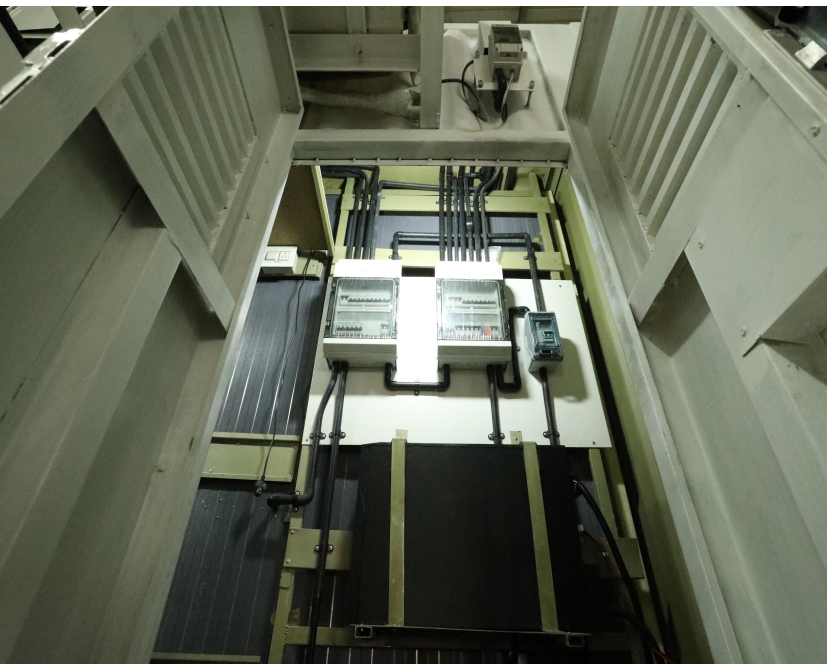
Complete medical solution: lead shielding integrated in the container structure

The containerised X-ray unit facility with extreme robust characteristics. The unit supports general diagnostic services such as orthopedic diagnostics, TB screening and mammography. The X-ray unit has integrated lead shielding in the walls and doors. X-ray, PACS-station and a small changing room with curtains are part of the diagnostic area.



Complete medical solution: lead shielding integrated in the container structure

The Meditainer integrated solution makes the X-ray easy to deploy in situations where the medical provider encounters difficulty with constructing high quality medical infrastructure or in situations where there is a sudden need for diagnostic services. The X-ray unit is rapidly deployable and can be installed as a stand-alone unit or as part of a bigger medical structure.



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## Containerised Isolation Unit

This hospital built from a shipping container could be a COVID-19 game-changer

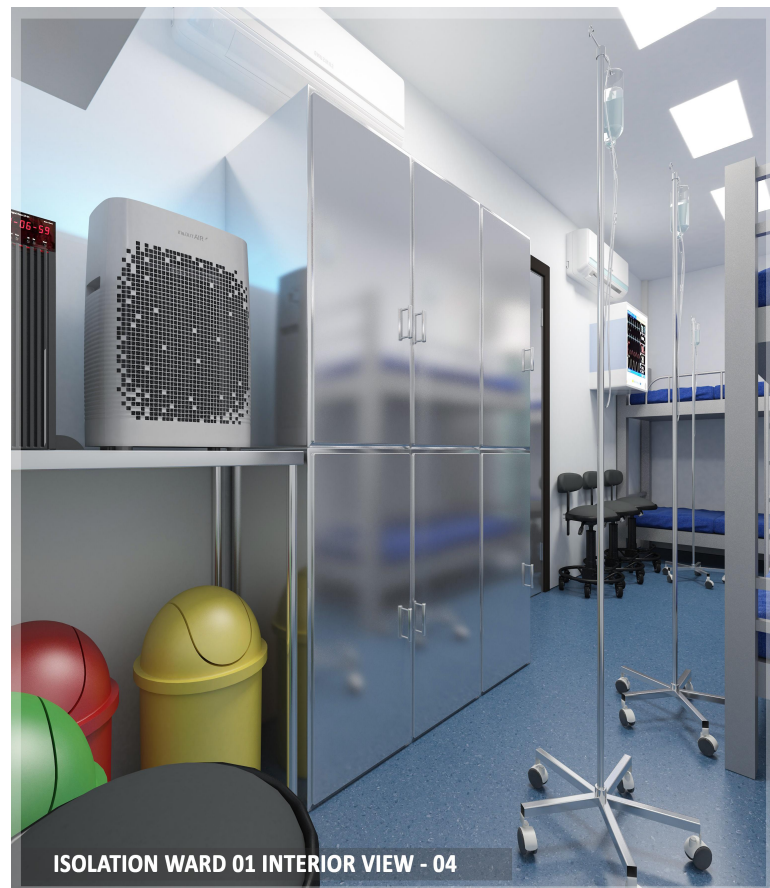


A rapidly scalable modular approach to expand isolation capacity during the (COVID-19) pandemic.

Our containerised isolation unit is designed to offer primary health care to people suspected or confirmed to be infected with, for instance, the Corona virus. Internally, the container has medical grade finishing, walls and ceilings are coated in material that is easy to clean. Climate control with AC/Air-purifying systems equipped with a HEPA filter

Internally, the container has medical grade finishing and the panels and ceiling are coated in material that is easy to clean. The anti-bacterial, PVC medical floor has covered edges, which also allows for easy cleaning. Both the floor and the coating on the walls and ceiling can be cleaned with a chlorine solution.

Our rapidly deployable medical facilities provide advanced-level care, including hospital surge capacity and patient isolation rooms for rapid triage, diagnostic evaluation, containment, and the treatment of patients infected with airborne diseases.



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## CONTAINERISED PHARMACY

Containerised pharmacy solutions for both emergencies and practicality during a refit



MEDICAL STORE INTERIOR VIEW-03

Containerised mobile unit is designed for use as a pharmacy and office space. Designed to function in a variety of configurations depending on customer needs. In addition can be used as medical storage unit for big hospitals.

Pharmacy container facilitates the transport and distribution of several medical and pharmaceutical products (drugs, vaccines, blood products, etc.) Identification and storage are optimised with customised rack system and equipped with a refrigeration unit, UPS with more than 5 hour Power backup. Automated Changeover control panel for Generator power supply.



## Global Footprint



One Team with customers



Co-innovate with our customers and **partner** in their journey

Global Mindset



Leverage **global presence** and **talent pool** to learn and share

"Can do" Attitude



Deliver **compelling business outcomes**

**Shipping Container Hospitals**  
**OUTSIDE THE BOX THINKING – FOR A**  
**TIMELY/INNOVATIVE SOLUTION**



**MEDITAINER**

moderna group

**ON ROAD-OCEAN**  
**Our Presence**  
**Across the**  
**Multidimension**  
**World**

**MEDITAINER**





## Mobile Diagnostic Test Lab

# Helping the world to Live Longer

Infectious disease crises ask for medical solutions that can be rapidly deployed and that are of high enough quality to control the virus and prevent cross-infection. Meditainer has designed a mobile laboratory in a container to perform viral disease tests in affected areas.

The clinical laboratory for infectious diseases contains an isolator/biosafety level 3 cabinet, sink, samples refrigerator, sterilizer, PCR Analyzer, centrifuge and all necessary consumables. The clinical laboratory consists of one 20ft. medical container.

### Mobile Diagnostic Test Lab for Infectious Diseases

Meditainer provides turnkey mobile medical solutions to help prevent further spread of infectious diseases such as Corona Virus.

## CASE IN POINT



**Better**



**Greener**



**Faster**

Meditainer proposes container solutions over tented solutions to control infectious diseases since containers provide better climate control with AC/heating and insulation, better protection of the staff because of pressurization systems, HEPA filtering, better and safer work environment for staff and containers are usable under all climatological circumstances. The units have medical floors and walls for easy cleaning with chlorine and all air input and output is filtered.

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### Containerised Dental Unit

facilitate general oral health care



The Meditainer Dental Unit is designed to facilitate general oral health care. Due to its low-cost-components we hope to promote a greater coverage of oral health care,

The Meditainer Dental Unit is fitted with cabinet, dental chair, suction unit and sterilisation unit. All necessary technical installations are delivered with the Meditainer, like an internal water purification system, water storage and energy supply through a generator. The configuration and content of the Meditainer can be customised.



The Meditainer Dental Unit is an autonomous unit that can be deployed irrespective of available infrastructure.

The Meditainer is built in with all services Air-conditioning, Medical Gas Plant Room, Water Tank, Sump Tanks, Drainage Tanks, Booster pumps, Chemical Dosing tank, Generator Power Supply Units, Air Handling units, HEPA Filters, vacuum pumps, Telephony, Nurse Call Systems etc.



DENTAL & LAB INTERIOR VIEW - 03



DENTAL & LAB INTERIOR VIEW - 01

# Containerized Medical Oxygen Psa Plant



*Automotive Capabilities*

## Helping the world to **Drive**

Access to oxygen can be the difference between life and death for patients with severe COVID-19. It is also a critical treatment for children with pneumonia, which remains the leading infectious killer of children under 5 years, claiming over 800,000 lives every year.

The COVID-19 pandemic has turned an existing oxygen gap in many countries into a crisis. The overwhelming number of patients in need of oxygen therapy far outstrips the existing capacity at hospitals and health facilities

Plants are also designed to be compatible with ward piped systems, if available now or in the future. In this way, continuous medical oxygen can be an integrated service, making oxygen therapy a standard part of health systems.

### CASE IN POINT



**Better**



**Safer**



**Greener**



**Experiential**

Plants are designed for health facilities in low-resource settings, and those faced with a sudden emergency, such as rising COVID cases. They come in two configurations – standard and containerized. Standard plants are shipped as individual pieces and installed in an existing indoor space. Containerized plants are installed in a shipping container that can be set up outside a health facility.



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# The Containerised Mortuary

## With Mortuary Refrigerator, Tiered, Six Or Nine Body



The Containerised Mortuary is designed to preserve 6 human bodies fitted with a refrigeration unit. The unit can be powered from an external source or from the generator that is fitted with an automatic change over control panel.

Heavy-duty chrome plated hardware for long lasting use, Drop in self-contained refrigeration system with digital thermometer and easy to adjust temperature controller.



Telescopic rack system. Fabricated of extruded aluminum with nylon rollers.

- Custom sizes for larger cases.
- Full length interior roller racks.
- HD plastic storage boards.
- Single or double tier carrier.
- Customised Freezer model available!

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## Shipping Container Moveable Hospitals

A Viable Resource to Help Address India's Impending Shortage of Hospital Facilities

Meditainer can Quickly, and cost effectively build full service customisable mobile hospitals and transported wherever needed.



Because of their modular design and portability, shipping container hospitals can be expeditiously deployed on site at critical infrastructure facilities and from there relocated as needed to designated areas in and around major population centers.

These units are stackable and scale-able – with the ability to customize in virtually limitless configurations/reconfigurations and scale options.

Container Hospitals are self contained for maximum isolation when needed, Built-in segregation affords less exposure for medical personnel versus more traditional hospital building configurations.



Container Hospitals are easily stored and re-usable for rapid deployment in the future, Each unit is a self-contained biosphere with dedicated AC/Heating ventilation and lighting, Units provide dual connectivity to power grid and/or mobile generator.





## Relocatable Field Hospitals

### Helping the world to Survive

This is the most common, optimized version of field hospitals in terms of capacity, medical capabilities for mid term use, with easy deployment.

Meditainer Field Hospital has essential diagnostic units including radiology. It has comprehensive surgical capabilities in addition to emergency unit. There are in-patient wards to serve for mid-term patients. All support units are included to give the hospital self-sufficiency, e.g. kitchen, generator, water treatment etc.

Meditainer based on the Client needs can design various sizes Field Hospitals that can range between 20-30 Beds, 50-75 Beds, 100-150 Beds healthcare projects.

Depending on the project we can design a modular combination with containerised units or use large or medium size modular. Our engineering Project Team can advise on best options to implement and the shortest time to have a fully Fast Deployable Hospital Solutions ready for installation and operation.

#### MEDITAINER SERVICES



Better



Faster

The Meditainer is built in with all services Air-conditioning, Medical Gas Plant Room, Water Tank, Sump Tanks, Drainage Tanks, Booster pumps, Chemical Dosing tank, Generator Power Supply Units, Air Handling units, HEPA Filters, vacuum pumps, Telephony, Nurse Call Systems etc.

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Engineering a better health care

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NEW WORLD OF POSSIBILITIES

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