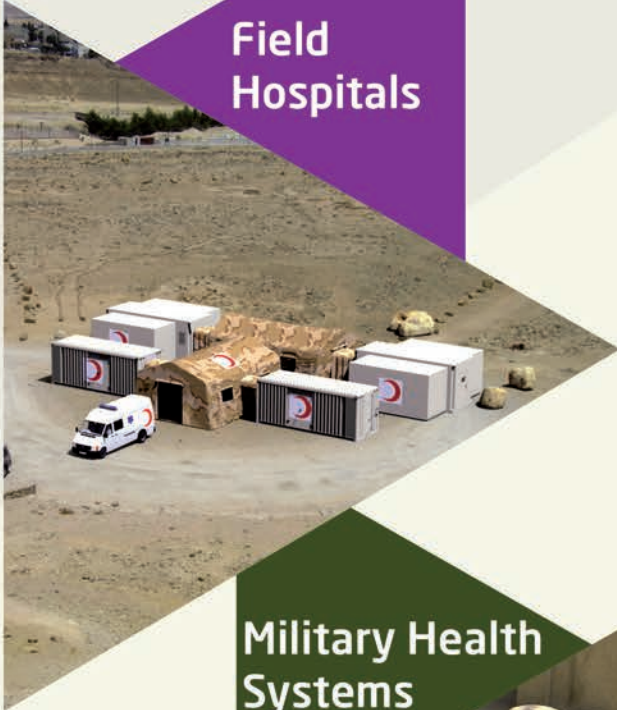


U-PROJECT

Field Hospital Projects

Field
Hospitals



Truck Based
Mobile Hospital



Military Health
Systems



Mobile
Clinics



▶ ▶ ▶ The curative
power of the
hardest circumstances

▶▶▶ *The curative
power of the
hardest circumstances*

U-Project, with its half century experience in the health sector, offers Field Hospitals, Truck Based Mobile Hospitals, Mobile Clinics, Military Health Systems and Decontamination Systems as turnkey solutions..

U-PROJECT

Field Hospital Projects

2023

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U-Project Quality Assurance Certificates...

ISO 13485 : 2016	: Medical Devices - Quality Management Systems
ISO 9001 : 2015	: Quality Management System
ISO 45001: 2018	: Occupational Safety & Health Management System
ISO 10002 :2018	: Quality management – Customer satisfaction – Guidelines for Complaints Handling in Organizations
TSE EN ISO 5912	: Turkish Standards Institution/Camping Tents
TSE EN 15619	: Turkish Standards Institution/ Rubber or Plastic Coated Fabrics-Safety of Temporary Structures (Tents)

Manufacturing and Tests in Accordance to International Standards and Regulations:

ISO 668:2013	: Series 1 Freight Containers - Classification, Dimensions and Ratings
ISO 1496-1:2013	: Series 1 Freight Containers - Specification and Testing - Part 1: General Cargo Containers for General Purposes
ISO 1161:2016	: Series 1 Freight Containers - Corner and Intermediate Fittings - Specifications
NATO -STANAG 2895	: Extreme Climatic Conditions and Derived Conditions for Use in Defining Design/Test Criteria for NATO Forces Material
NATO-STANAG 4107	: Mutual Acceptance of Government Quality Assurance and Usage of the Allied Quality Assurance Publications
MIL-STD-461	: Military Standard: Electromagnetic Interference Characteristic Requirements for Equipment
MIL-STD-285	: Military Standard: Attenuation Measurement for Enclosures, Electromagnetic Shielding, for Electronic Test Purposes
MIL-STD-810	: Environmental Engineering Considerations and Laboratory Tests
IEEE SD 299:2006	: IEEE Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures
IEC 60364-7-717	: 2010 - Low-Voltage Electrical Installations - Part 7-717: Requirements for Special Installations or Locations - Mobile or Transportable Units
EN ISO 10204	: 2004 Metallic Products - Types of Inspection Documents
EN ISO 2409 : 2013	: Paints and Varnishes - Cross-Cut Test EN ISO 3834-2 :2006 - Quality Requirements for Fusion Welding of Metallic Materials - Part 2: Comprehensive Quality Requirements

01

Field Hospitals

In case of emergency such as natural disasters and wars, regardless of geographical condition, U-Project's Field Hospital provides the solutions for medical requirements. It offers modular system at wide range for your necessity by combining different types of containers and shelter systems.

02

Military Health Systems

U-Project provides flexibility, portability, short construction time, cost-effectiveness Health Systems for Military Environment by Focusing on Managing Health Services Support to Military Operations.

The content of the systems are Role 1, Role 2 and Role 3 and changes by requirements with operational needs of the mission.

03

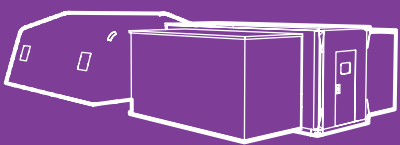
Truck Based Mobile Hospitals

U-Project Truck Based Mobile Hospital provides emergency-surgical treatment and diagnostics as a First Aid and Rescue Center. Depending on the configuration, First Aid and Rescue Center is equipped with triage, X-ray, laboratory, operating room and intensive care unit so that patients can be sustainably stabilized for transport to further treatment after the emergency treatment.

04

Mobile Clinics

U-Project Mobile Clinics on wheel is designed to serve fast and reliable medical services for far areas. According to the mobile base that is designed to allow for use onboard clinics, providing quick succession and offering solutions in difficult conditions with a self-sufficient way independently.



Field Hospitals

In case of emergency such as natural disasters and wars, regardless of geographical condition, U-Project's Field Hospital provides the solutions that meets medical requirements.

It offers modular system at wide range for your necessity by combining different types of containers and shelter systems.

U-Project
Offers
Mobile
Solutions



Mobile Surgical Solution



Field Hospital 50 Beds



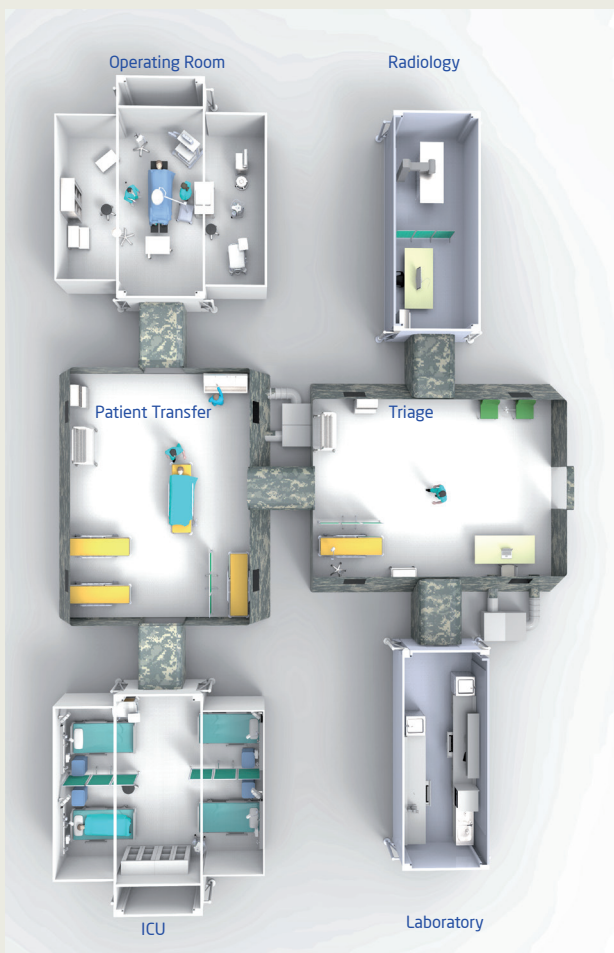
Field Hospital 100 Beds



Mobile Surgical Solution 1 + 5

Field Hospitals





Mobile Surgical Solution 1+5

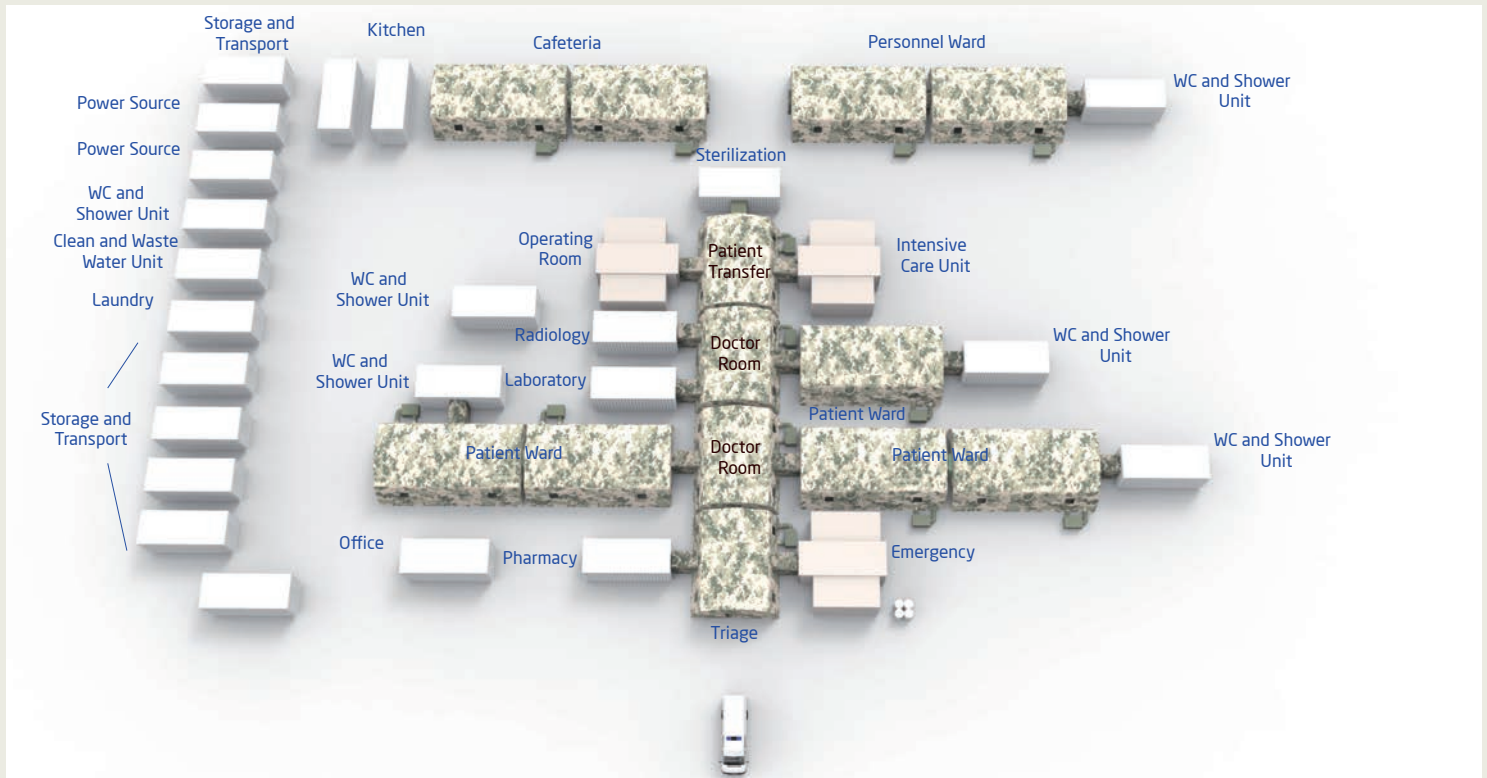
Mobile Surgical Solution defines the function initial surgery response capability. It consists of 1 expandable container as a Operating Theatre with one operating table. It has access to central medical gases and is equipped for surgical and anaesthesia procedures. It also has 1 unit expandable container as an ICU with 4 beds, 1 unit ISO 20ft container as a Laboratory, 1 unit ISO 20 ft container as a Radiology. There are places for preoperative handwashing facilities, patient transfer, storage capacity and changing rooms (pre- & post- operating room).

- Area Dimensions (meter) : 24 x 22

50 Beds Field Hospital

Field Hospitals





50 Beds Field Hospital

50 Beds is designed to serve detailed medical care as a normal hospital which includes operating room, intensive care unit, sterilization, radiology, pharmacy, emergency, triage and supporting units depending on customer requirements.

50 Beds also has advanced and specialist capabilities such as CT scan, neonatal intensive care, arthroscopy, sophisticated laboratory tests and major medical specialities like: medicine, neurology, opthalmology and dental. In addition to the standard configuration pandemic diagnostic and treatment units (Structural and Medical Equipment) can be included to the contents.

Different kinds of tents and types of ISO containers can be used as the main unit as well as hospital supporting systems.

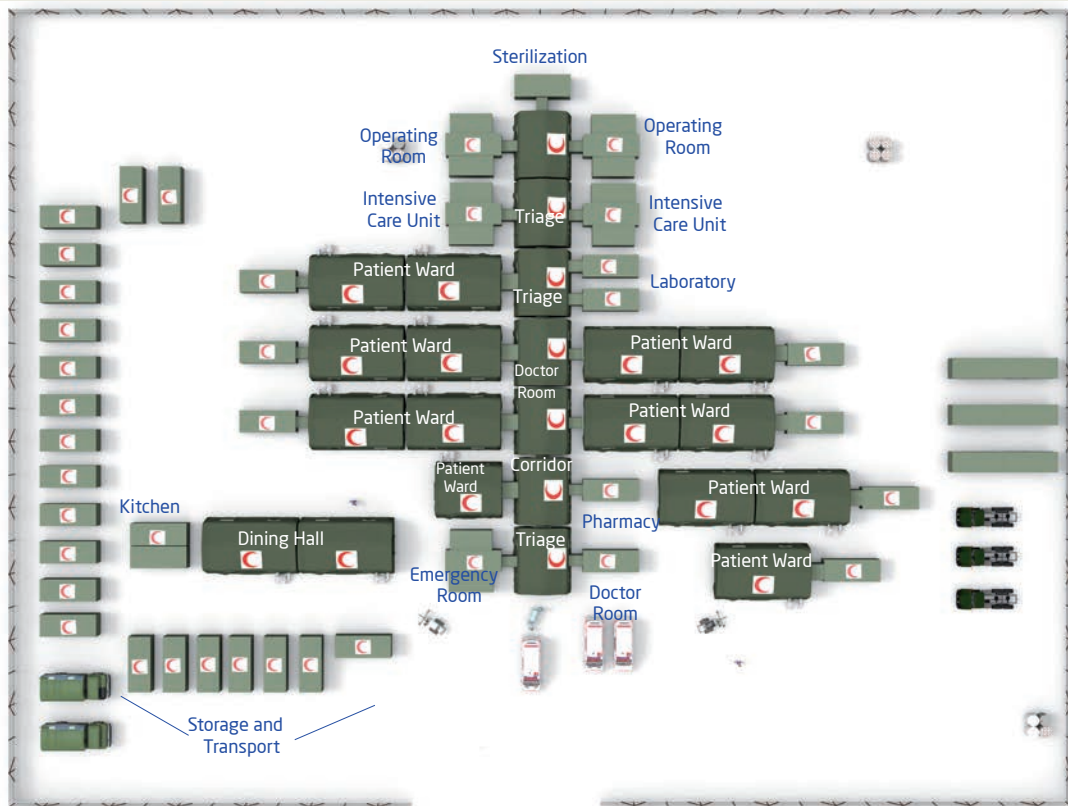
- Area dimensions (meter) : 71.4 x 41.6



100 Beds Field Hospital

Field Hospitals





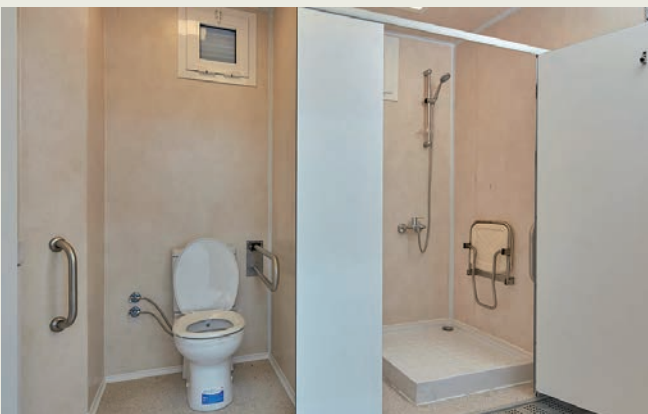
100 Beds Field Hospital

100 Beds is designed to serve detailed medical care as a normal hospital which includes operating room, intensive care unit, sterilization, radiology, pharmacy, emergency, triage and supporting units depending on customer requirements.

100 Beds also has advanced and specialist capabilities such as CT scan, neonatal intensive care, arthroscopy, sophisticated laboratory tests and major medical specialties: medicine, neurology, ophthalmology and dental. In addition to the standard configuration pandemic diagnostic and treatment units (Structural and Medical Equipment) can be included to the contents.

Different kinds of tents and types of ISO containers are used as main units and for hospital supporting systems. It can be applied to various types of field hospitals such as 150, 200, 500 beds by increasing patient wards to provide similar service in the field of medical treatment.

- Area dimensions (meter) : 95 x 58.6



Military Health Systems

U-Project provides flexible, portable, rapidly deployable, cost effective Health Systems for Military Environment by focusing on managing health service support to military operations.

The content of the systems are Role 1, Role 2 and Role 3 and changes by requirements with operational needs of the mission.

Modernization of Health Systems

U-Project also is your solution partner in modernizing healthcare systems that have quite lost their operational capability, damaged devices and systems and old technology which are available in customer inventory.



U-Project
Offers
Military
Solutions

Role/Echelon-1



Role/Echelon-2



Role/Echelon-3







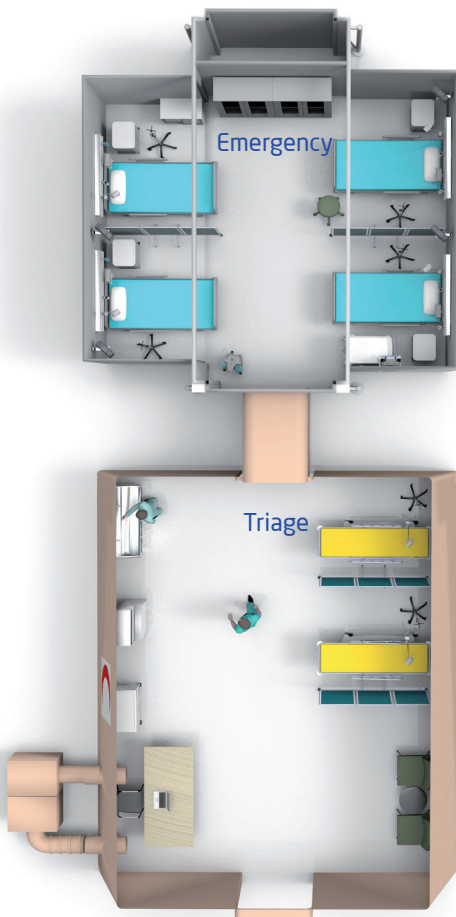
Role/ Echelon-1

Role/Echelon-1: Role 1 is used in small military unit levels and routine diseases and patients who can return to mission immediately are treated as First Aid Station. Facilities with the following capabilities of Role 1: specialist medical officer lead resuscitation, generally first aid includes minor injuries and triage practice. The Medical capabilities at Role 1 level will vary considerably, depending on the type of Operation or Mission of military scenarios.

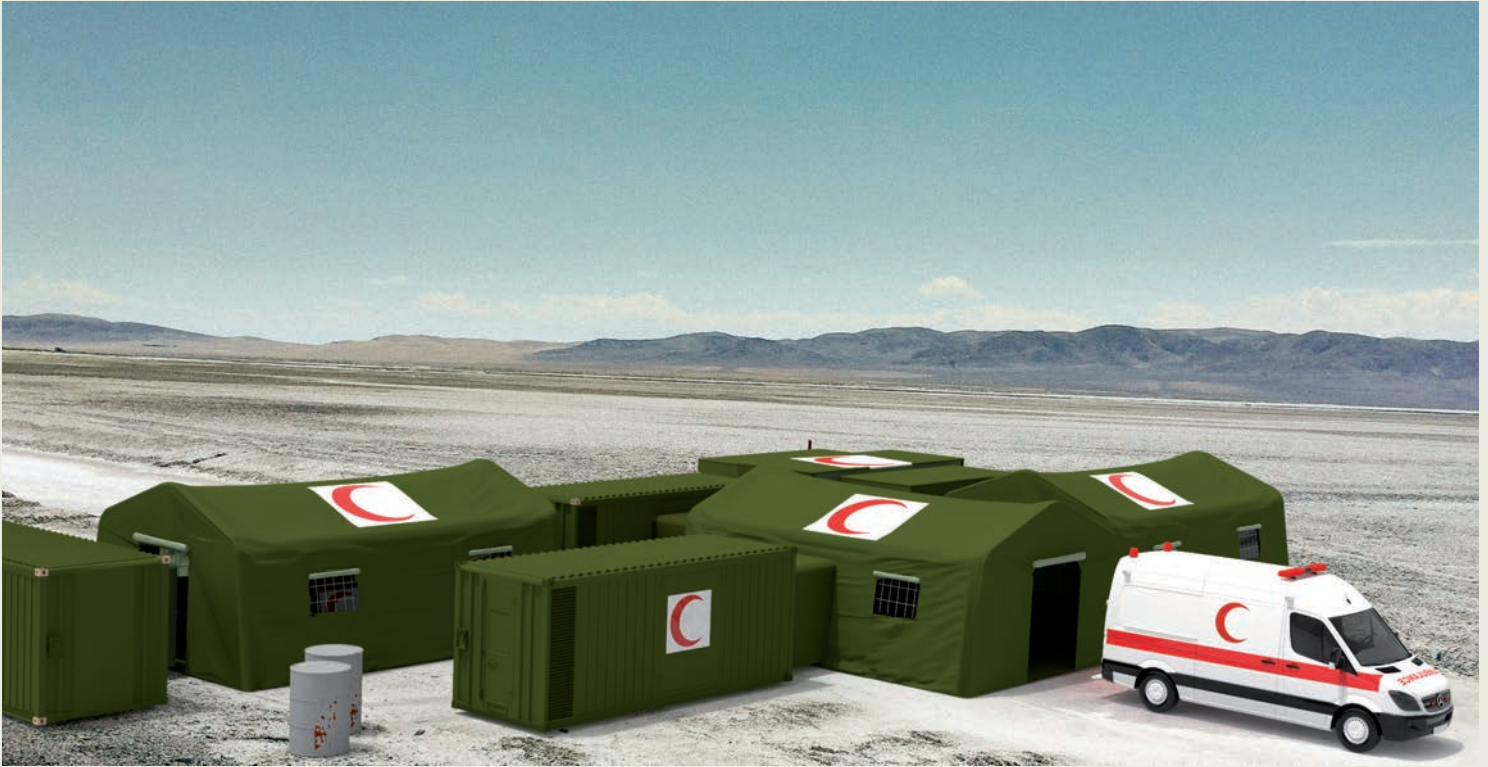
Scope and Contents:

40 m² Shelter System: Reception & triage, treatments: The Emergency Room provides an intermediate capability for the reception and triage of an increased number of injured.

24 m² Expandable Container: The Emergency Room shall provide a broad spectrum of initial treatments for various clinical conditions and is capable of performing minor and emergency damage control resuscitative procedures







Role/ Echelon-2

Role/Echelon-2: A Role 2 is characterized by its ability to perform reception / triage of injured; treatment of shock on a higher level than Role 1. In addition dental applications, minor surgical interventions for emergency surgical cases, resuscitation, Psychological Counseling and Guidance including patient tracking, evaluating and reporting. Depending on requirements with regards to operational needs, climatic and epidemiological circumstances, planned duration, geographic and environmental situation of a mission; a specific Medical Treatment Facility can be created by adding one or more enhancing modules.

Scope and Contents:

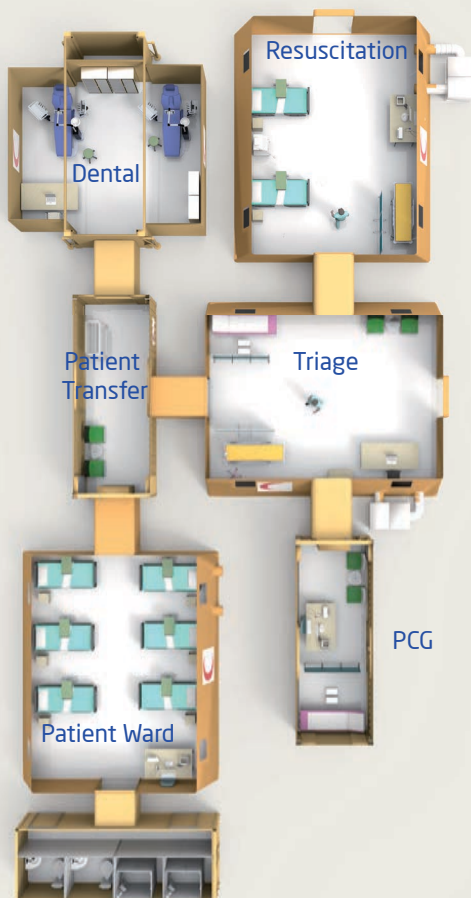
40 m² Shelter System: Triage and Resuscitation: The Emergency Area provides an intermediate capability for the reception and triage of an increased number of injured.

Dental Care Unit in 24 m² Expandable Container: Unit equipped with 2 dental chairs, where surgical interventions can be performed.

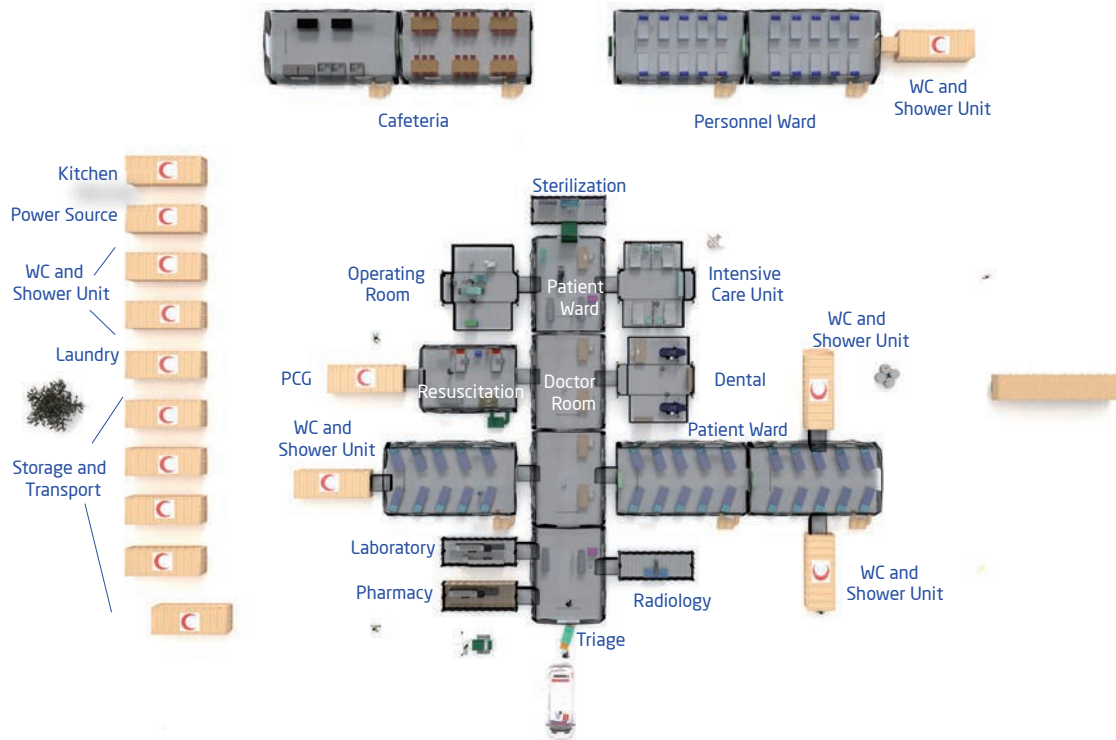
Psychological Counseling and Guidance Unit in 20 Feet ISO

Container: PCG center is available to prevent psychological traumas that soldiers may experience during war and missions.

Patient Wards: 40 m² shelter system is used as patient ward with 6 beds. These beds are intended for short-term admission patients. One similar ward can be added and used for separation of possible contagious patients (with dedicated ablution unit), the other ward provides surge capacity with respirators, monitors etc. for post-operative care. Patient Ward is supported with the shower and toilet units.







Role/ Echelon-3

Role/Echelon-3: A Role 3 is characterized by its ability to perform surgical interventions, including surgical procedures (specialist surgery (neurosurgery, maxillo-facial surgery)), burns for emergency surgical cases, to deliver life, limb and function saving medical treatment, in addition to perform reception / triage of injured; treatment of shock on a higher level than Role 2.

It is also responsible for the preparation of injured for evacuation to a higher level surgery intervention capability, including patient tracking, evaluating and reporting. The 30 Bed Hospital is the smallest independent element of a Role-3 field hospital has advanced and specialist diagnostic capabilities (CT scan, arthroscopy, sophisticated lab tests), major medical specialities (medicine, neurology, ophthalmology). It can be applied to various types of field hospitals such as 50, 100, 200 beds that will provide this and similar service in the field of operation.

Depending on requirements with regards to operational needs, climatic and epidemiological circumstances, planned duration, geographic and environmental situation of a mission a specific Medical Treatment Facility can be created, with adding one or more enhancing modules





Role 3 also has capability of:

- Life, Limb and Function saving surgical interventions
- Detection, treatment and observation of invasive infectious diseases and its septic complications
- Basic treatment of contagious diseases and implementing of all necessary isolation measures
- Psychological Counseling and Guidance
- Essential pharmaceutical support at commensurate level
- Stock of medical supplies, fluids and consumables
- Emergency blood transfusion

Patient Wards: 40 m² shelter system is used as patient ward with 6 beds. These beds are intended for post-operative care and short-term admission patients. One similar ward can be added and used for separation of possible contagious patients (with dedicated ablution unit), the other ward provides surge capacity with respirators, monitors etc. for post-operative care. Patient Ward is supported with the shower and toilet units.



Scope and Contents:

40 m² Shelter System: Triage, Resuscitation and Stabilization: The Emergency Area provides an intermediate capability for the reception and triage of an increased number of injured.

Operating Theatre in 24m² Expandable Container: The surgical capability defines the function of a Role 3 Basic initial surgery response capability provided on a continuous 24 / 7. There is minimum one Operating Theatre with one operating table with a capacity of 8 surgical operations per day (4 critically wounded patients and an additional Damage Control Resuscitation (DCR) capability within the Emergency Room) The Operating Theatre has access to central medical gases and appropriately is staffed with the necessary specialist medical staff. The Operating Theatre is equipped for surgical and anaesthesia procedures to provide trauma surgery, abdominal surgery, thoracic surgery, and with mobile digital X-ray, ultrasound and also including required technical elements, such as mobile laminar airflow. There is availability to add places for preoperative handwashing facilities, storage capacity and changing rooms (pre- & post- Operating Theatre (OR)).

Intensive Care Unit for surgical and non-surgical emergencies, including ventilation in 24 m² Expandable Container:

4 High Dependency monitoring beds with ventilator that can be used in emergency situations for a short period as a bed for a ventilated patient. These beds will be appropriately staffed with the necessary medical professionals. Post-Op/ICU is able to manage post-operative patients, including the provision of sedative care and pain control.

Dental Care Unit in 24 m² Expandable Container:

Unit equipped with 2 dental chairs, where surgical interventions can be performed.

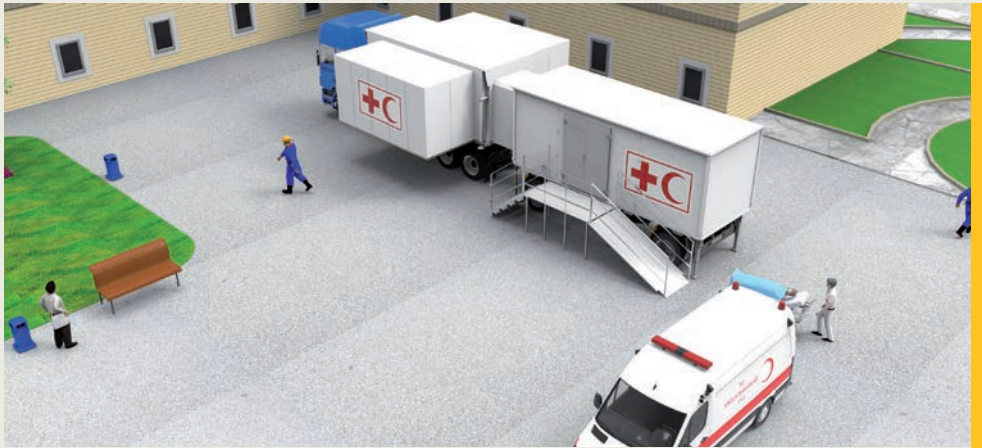
Truck Based Mobile Hospitals

U-Project Truck Based Mobile Hospital provides emergency-surgical treatment and diagnostics as a First Aid and Rescue Center. Depending on the configuration First Aid and Rescue Center is equipped with triage, X-ray, laboratory, operating room and intensive care unit so that patients can be sustainably stabilized for transport to further treatment after the emergency treatment.



U-Project
Offers
Mobile
Solutions

One Truck with Trailer



Four Trucks with Trailers



Six Trucks with Trailers





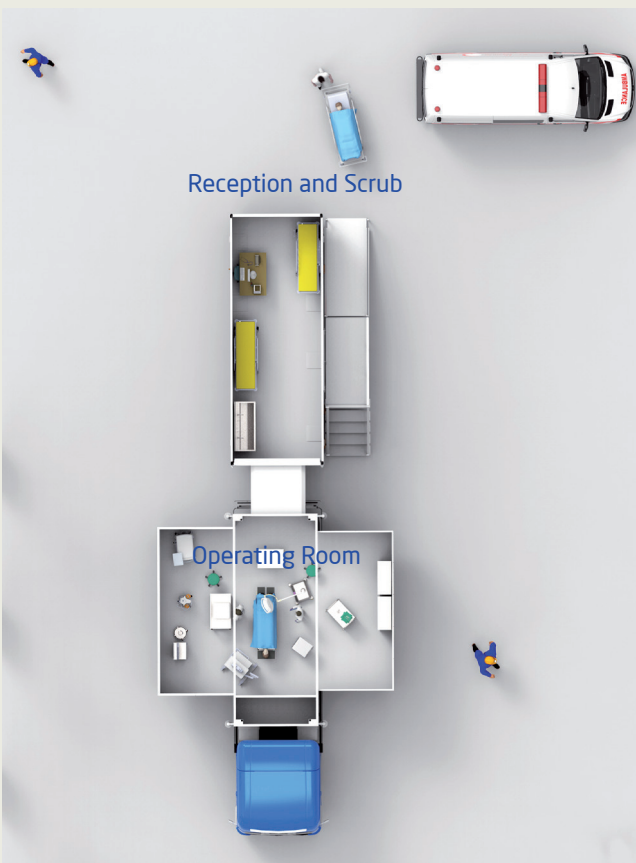


One Truck with Trailer

Truck based project consist of 24 m2 expandable container on truck and ISO 20 ft standard container on trailer. This mobile solution is suitable for small operations in various circumstances.

Features;

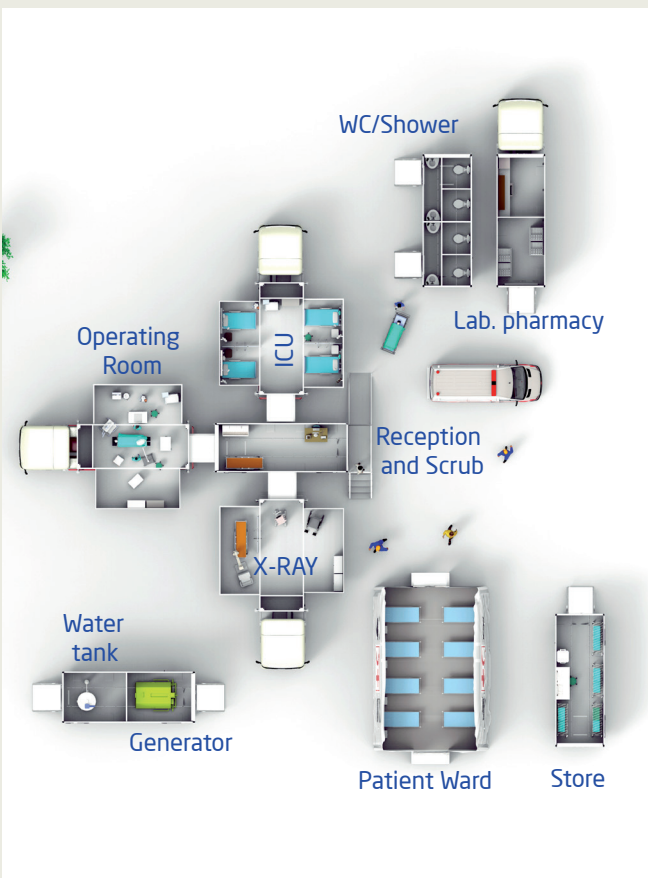
- Medical gas
- Air conditioning with HEPA filtration
- Power supply and lighting system
- Water supply
- Data and telephone network



Four Trucks with Trailers

Truck Based Mobile Hospitals





Four Trucks with Trailers

Truck based project consist of 3 units of 24 m² expandable containers, 4 units of ISO 20 ft standard containers and a tent.

The Project can be regarded as Primary Healthcare Center with 12 beds including ICU, X-Ray center and Laboratory.

This mobile solution is driven by 4 trucks and suitable for many kind of operations and ICU treatment in various circumstances.

Features;

- Medical gas
- Air conditioning with HEPA filtration
- Power supply and lighting system
- Water supply
- Data and telephone network

Six Trucks with Trailers

Truck Based Mobile Hospitals





Six Trucks with Trailers

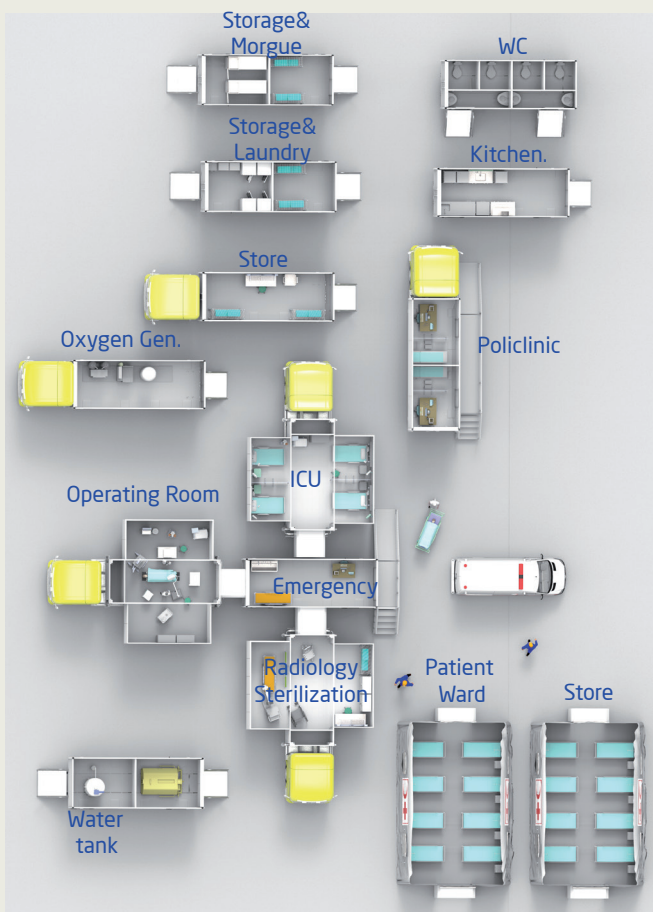
Truck based project consist of 5 units of 24 m2 expandable containers, 9 units of ISO 20 ft standard containers and 2 tents.

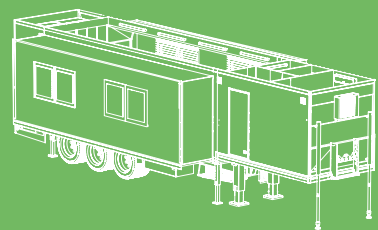
The Project can be regarded as Level 2 Hospital with 20 beds according to UN classification. ICU, X-Ray center and Laboratory.

This mobile solution is driven by 6 trucks and additional to 4 trucks project, it has Polyclinic, Morgue, Kitchen, Oxygen Generator which makes it self-sufficient field hospital.

Features;

- Medical gas
- Air conditioning with HEPA filtration
- Power supply and lighting system
- Water supply
- Data and telephone network





Mobile Clinics

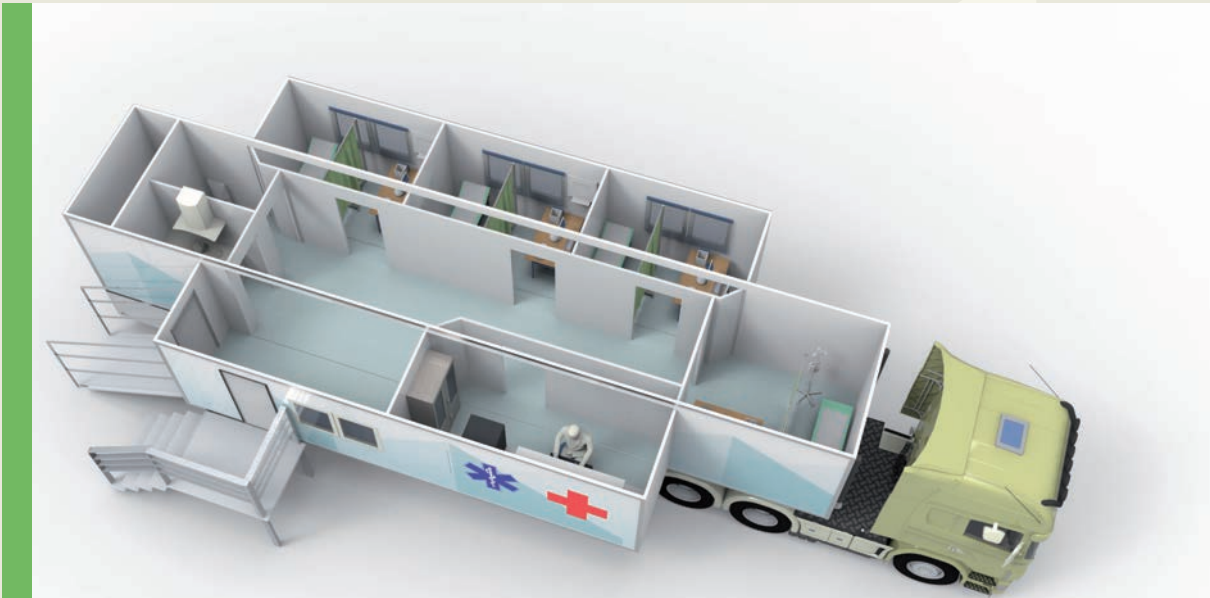
U-Project Mobile Clinic Solutions are designed to serve fast and reliable medical services.

According to the mobile base that is designed to allow for use onboard clinics, providing quick succession and offering solutions in difficult conditions with a self-sufficient way independently.



U-Project
Offers
Mobile Clinics
Solutions

Mobile Polyclinic

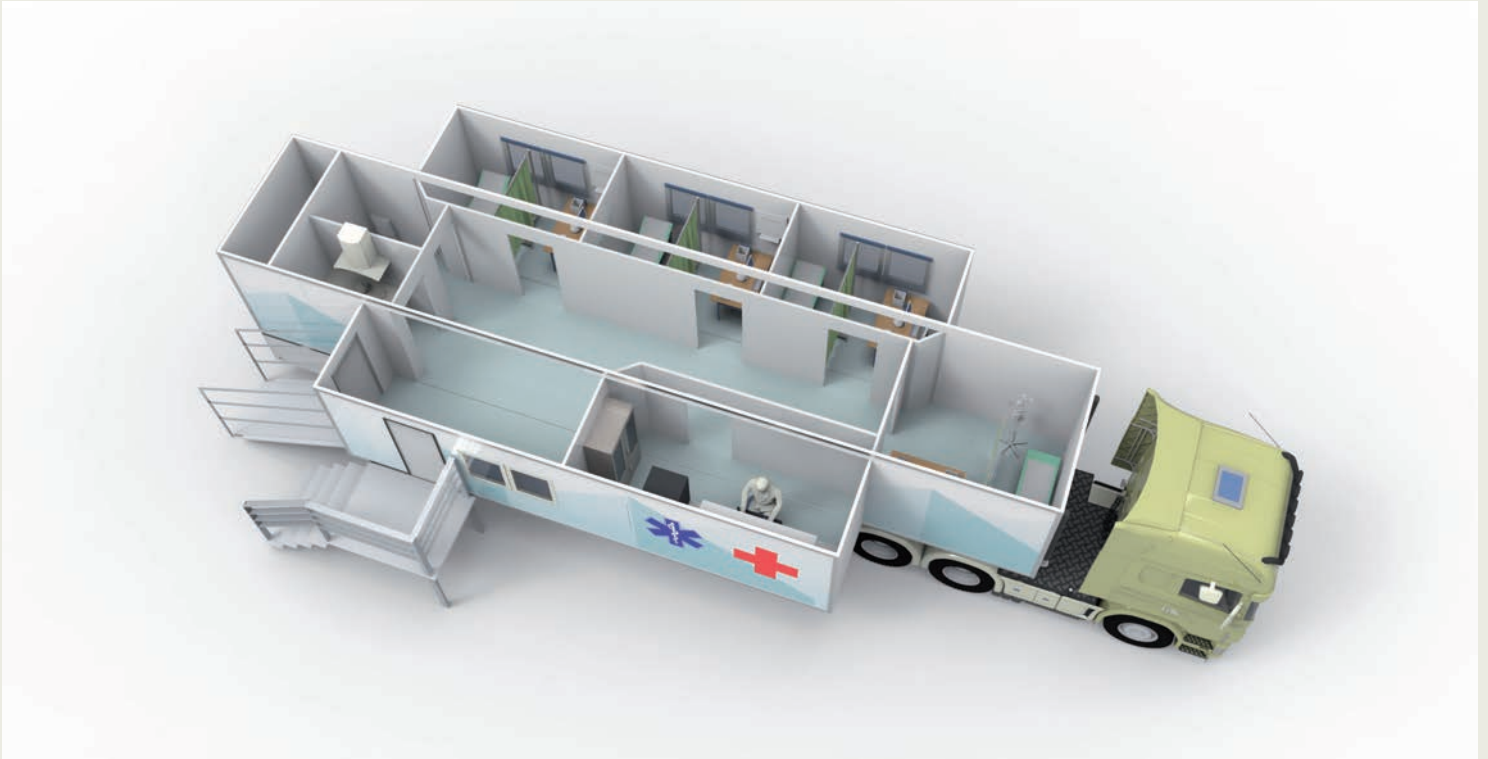


Mobile Mammography & Gynecology Clinic



Mobile Polyclinic

Mobile Clinics



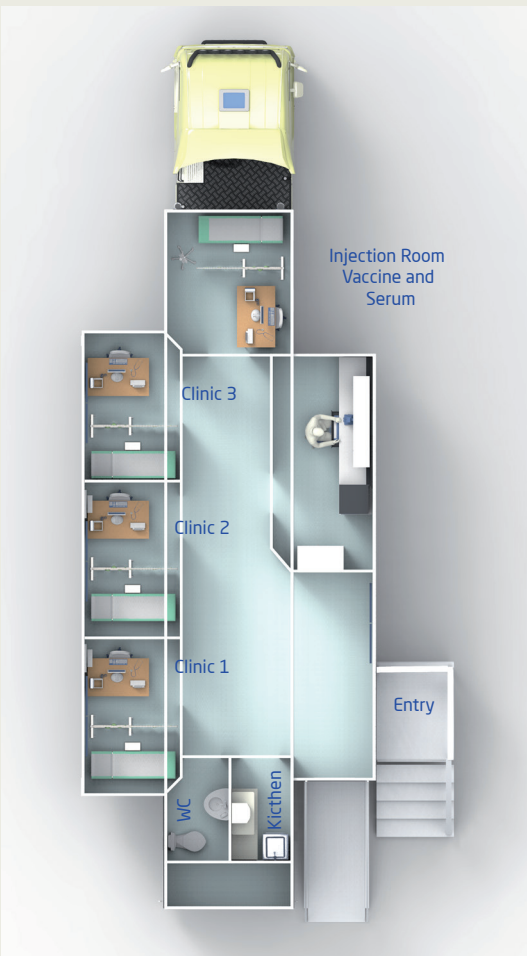


Mobile Polyclinic MC-7020

Mobile polyclinic consist of six independent rooms for clinics, X-Ray, infection, vaccine room and a reception desk. This high mobility system is designed to serve rapid health services next to natural disasters, emergencies and any other healthcare requirements.

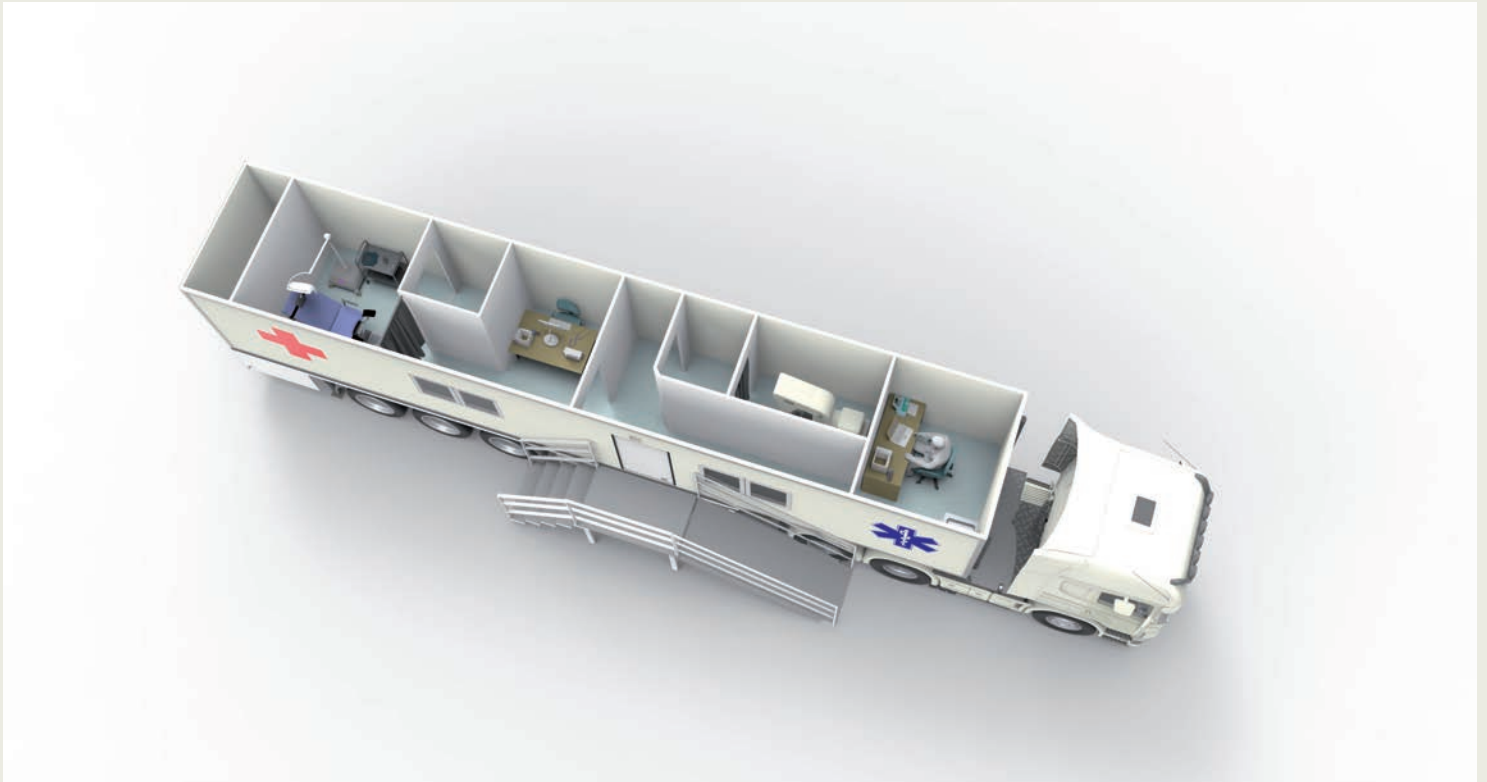
Specifications

- External dimensions : 1360x255x400 cm
- Panel thickness : 65-80 mm
- Chasis : Durable steel against corrosion
- A/C : 9000 BTU split
- Expansion : Hydraulic system
- Power generator : 9 kW
- Door - window : XPS (Polystyrene foam)
- Security - alarm : Ethernet - WiFi



Mobile Mammography & Gynecology Clinic

Mobile Clinics



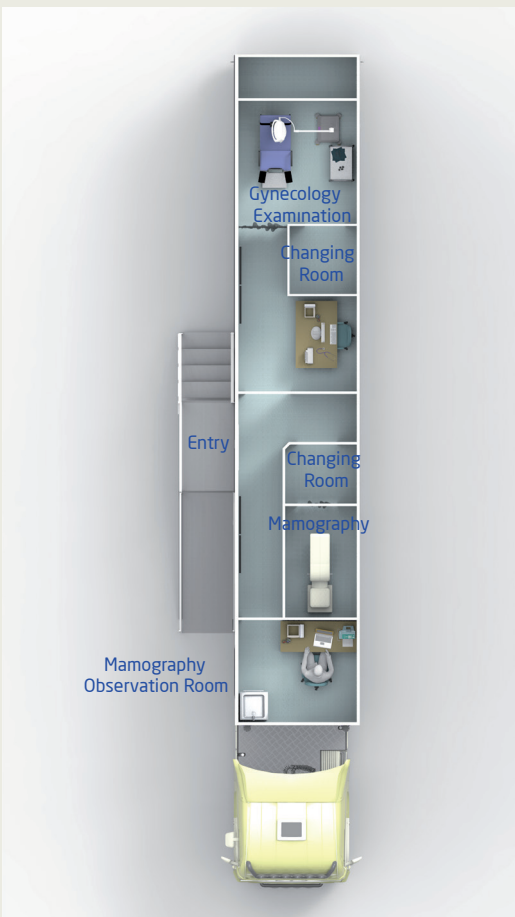


Mobile Mammography & Gynecology Clinic MC-7030

Mobile Mammography & Gynecology clinic consist of gynecological examination room, mammography unit and observation room. This mobile clinic is designed to meet all requirements of mobile health service.

Specifications

- External dimensions : 1360x255x400 cm
- Panel thickness : 65-80 mm
- Chasis : Durable steel against corrosion
- A/C : 9000 BTU split
- Expansion : Hydraulic system
- Power generator : 9 kW
- Door - window : XPS (Polystyrene foam)
- Security - alarm : Ethernet - WiFi



Container



Container ISO 20 ft IC-4010

- Standard ISO container size (600x235x240cm)
- Metal outer body
- High insulated aluminum panel walls and ceiling
- Antibacterial PVC floor/walls and ceiling
- Window and door according to needs
- Emergency entry/exit
- 3kW cooling capacity A/C system
- Lighting - 3 led lamps
- Plumbing
- Connecting to tents and containers
- Compatible with international transport regulations (Sea, air, land and railway)



Container Norms. 20 ft ISO 1 CC, IC-4020

- Standard ISO container size (600x235x240cm)
- (ISO 1161, ISO 668 and ISO 1496)
- Metal outer body
- Window and door according to needs
- Emergency entry/exit
- Compatible with international transport regulations (Sea, air, land and railway)



Container Expandable EC-3010

- Automatic expansion to 165±5 cm for both sides
- 24 m² indoor area when expanded
- Standard 20 ft container size when packed (600x235x240 cm)
- Compatible with international transport regulations (Sea, Air, Land and Railway)
- Set up and ready to use in a short time (Expanded and packed in 45 seconds)
- Metal outer body
- High insulated aluminum panel walls and ceilings
- Lighting
- Antibacterial PVC floor
- Technical equipment room for support units (Power generator, A/C, hydraulic system, etc.)





Combined Container IC-4010

- 1350x600x330 cm outer dimensions
- 75m² indoor useful are
- CTP outer body
- Lighting
- Highly insulated walls and ceilings
- Antibacterial PVC floor
- A/C system with HEPA filter
- Power distribution board:
110V 60Hz
220V, 50Hz
- Plumbing
- Connecting to tents and containers







Electromechanic Lifting System IC-4030

- Optional for all type of containers
- Easy installation of the containers
- Height is up to 160 cm
- Operated with remote control
- Each lifting support can be controlled separately
- Hydraulic or electronic options

U-PROJECT

Field Hospital Projects

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