

AS Antonio Ltd Group

Mob Unit

INTENSIVE CARE UNITS, ISOLATION ROOMS OPERATING ROOMS & PATIENT CARE ROOMS, MOBILE LABS





Mobile Health Unit

Mobile health units are innovative and high-tech care units to support health services that are needed for vulnerable populations. Due to natural disasters, wars, epidemics or undeveloped infrastructures in undeveloped regions, the need for Mobile Health Units has been growing, particularly among populations living in resource-limited areas.

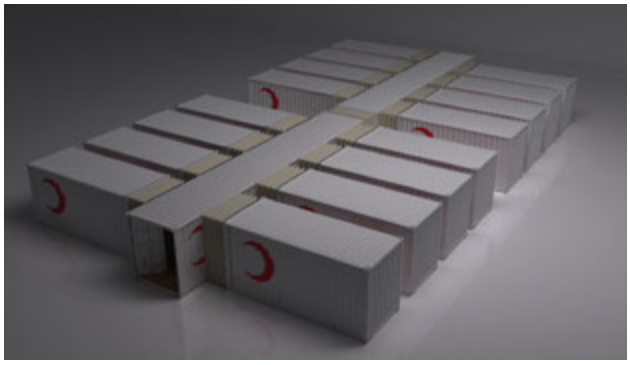
we manufacture Mobile Health Units that can be transformed into intensive treatment units (ITU), mobile hospitals, intensive care units (ICU), mobile labs, portable isolation units, operating rooms (operating theater), patient care rooms (PCR) and positive & negative pressure rooms based on the requirements of the need. The entire interior infrastructure and equipment, air conditioning & air purification systems, technical infrastructure and automation systems are customized for the specific needs of these certain areas of use. Also, these individual container units can be assembled with a pre-determined number of additional individual containers to form a multiple-container structure that can easily be converted into mobile hospitals and multi-functional health care units.

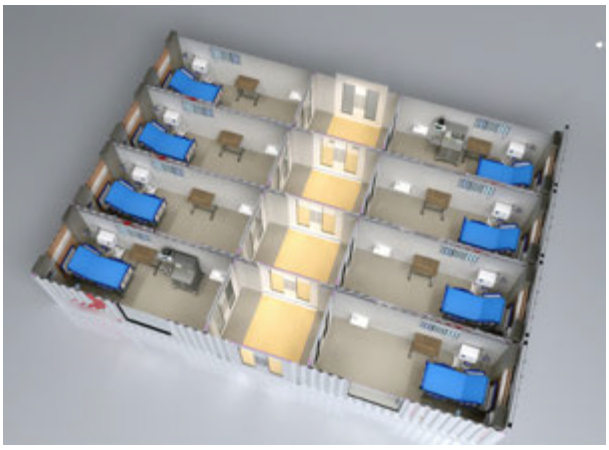
can create a vital link between the community and health services to overcome common barriers to accessing health care due to lack of facilities, geographic challenges and resource limitations.

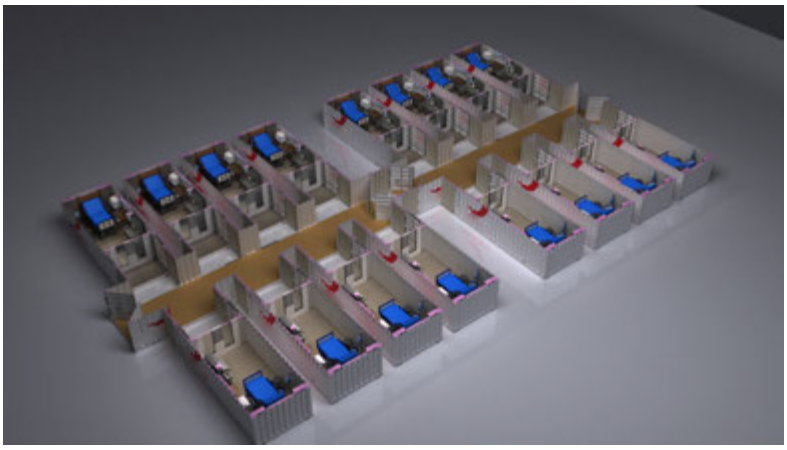
Mobile Health Unit

Mobile Health Unit Multi-Container Structures

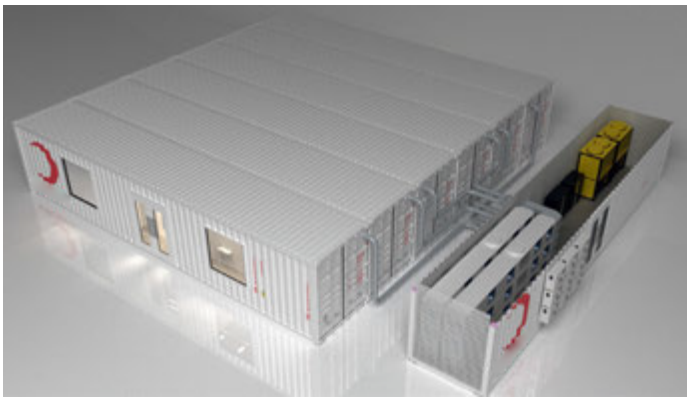


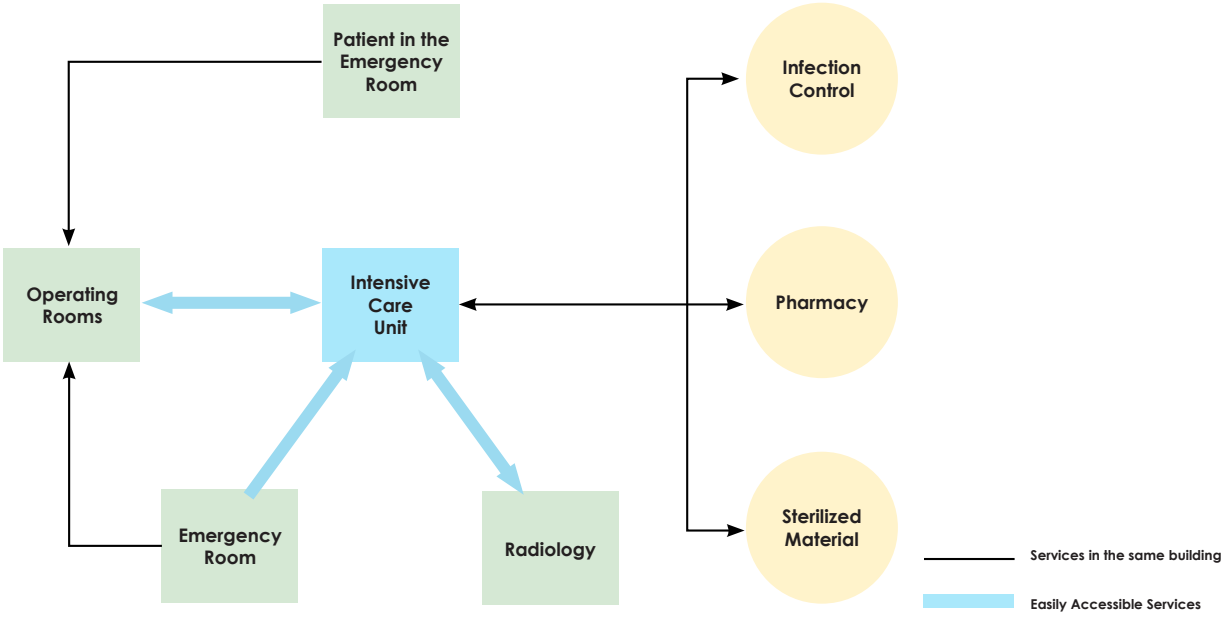












Mobil ealth Unit

AS Antonio Ltd Group



Interior Coating Features

- Compliant with international quality standards,
- Easy to clean,
- Antibacterial surfaces,
- Class O-F60 fire resistance,
- 80% Rh resistance to humidity,
- High resistance to abrasive cleaning chemicals,
- Suitable for steam sterilization,
- Oval corners suitable for detailed cleaning,
- Joint-free junction points,
- Thermally stable,
- Non-toxic,
- Non-carcinogenic substances.

STANDARTD SPECIFICATIONS OF CONTAINER			
	45' CONTAINER	40' CONTAINER	20' CONTAINER
Width	2350 mm	2350 mm	2350 mm
Length	13500 mm	11980 mm	5900 mm
Height	2700 mm	2700 mm	2370 mm
Volume	86 m^3	76 m^3	33 m^3
Empty Weight	4590 kg	3970 kg	2300 kg
Loading Capacity	27900 kg	26780 kg	21170 kg
Automatic Opening Door	S	S	S
Window	S	S	S



SPECIFICATIONS OF INTERIOR COATING			
	45' CONTAINER	40' CONTAINER	20' CONTAINER
E1 Class Wall Coating GRP	XPS 40 mm thickness, 40 density, 2 mm hygienic silver ion glass reinforced polyester coating on		
E1 Class Ceiling Coating GRP	XPS 20 mm thickness, 40 density, 2 mm hygienic silver ion glass reinforced polyester coating on		
Floor Coating	Epoxy Coating		
B1 Class Wall Coating GRP	40 mm thickness, 40 density, 2 mm hygienic silver ion glass reinforced polyester coating on polyurethane sheet		
B1 Class Ceiling Coating GRP	20 mm thickness, 40 density, 2 mm hygienic silver ion glass reinforced polyester coating on polyurethane sheet		
Floor Coating	Epoxy Coating		

Mobile Health Unit



Air Conditioning Systems

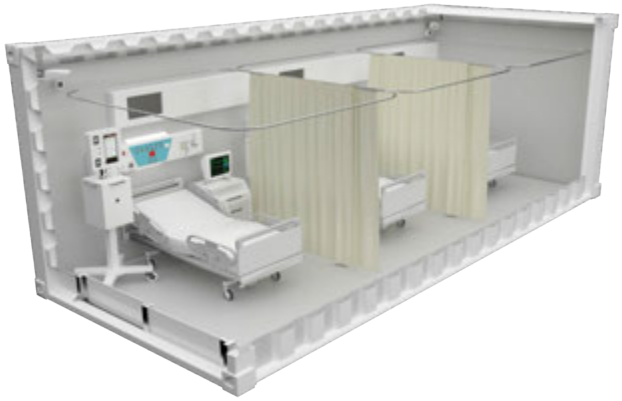
- Compliant with international quality standards,
- Precise air conditioning automation,
- Standard humidifier,
- Frequency converter fan,
- Hepa filter,
- Automated Negative and Positive pressure adjustment,
- Easy to clean compact structure,
- Sealing Flap,
- Sealing property up to 2500 Pa pressure,
- Pre-filtering,
- Pre-heating,
- Antibacterial coil coating,
- Suitable for WAN access,
- Adaptable design for various climate conditions.

SPECIFICATIONS OF AIR CONDITIONING SYSTEM			
	45' CONTAINER	40' CONTAINER	20' CONTAINER
Hygienic Air Conditioning Unit			
Air Flow Capacity	750 m^3/hr	750 m^3/hr	750 m^3/hr
Pressure	400-600 Pa	400-600 Pa	400-600 Pa
Filter	G4 - HEPA	G4 - HEPA	G4 - HEPA
Cooling Capacity	14,47 kW	14,47 kW	14,47 kW
Heating Capacity	17,36 kW	17,36 kW	17,36 kW
Air Conditioning Pipe			
Stainless Pipe	0,6-0,8 mm	0,6-0,8 mm	0,6-0,8 mm
Linear Ventilation Grille	150x100 - 300x150 - 1500x100 mm		
Louver	350x350 - 650x650 mm		
Exhaust Aspirator			
Air Flow Capacity	750 m^3/hr	750 m^3/hr	750 m^3/hr
Pressure	600 Pa	600 Pa	600 Pa
HVAC Automation			
Micro Processor	x	x	x
Electric Heater Control	x	x	x
MCC and DDC panel	x	x	x
Humidity and temperature sensor control	x	x	x
Exterior temperature control	x	x	x
Differential-pressure sensor	x	x	x
Differential-pressure switch	x	x	x
Damper motor on-off	x	x	x
Ventilator and aspirator fan control	x	x	x



Medical Gas System

- Compliant with international quality standards,
- DIN standards,
- EN 13485 standards,
- Medical gas installations comply with HTM01, HTM02 and TS-EN13485 standards.
- CE, UTS, UBB certificates.
- Gas outlets can be selected according to DIN norms, BS norms and AF norms.



MEDICAL GAS SYSTEM			
	45' CONTAINER	40' CONTAINER	20' CONTAINER
Central Gas System			
Oxygen System	S	S	S
Air System	S	S	S
Nitrogen System	S	S	S
Vacuum System	S	S	S
Anesthesia Pendant	O	O	O
Surgical Pendant	O	O	O
Double Armed Intensive Care Pendants	O	O	O



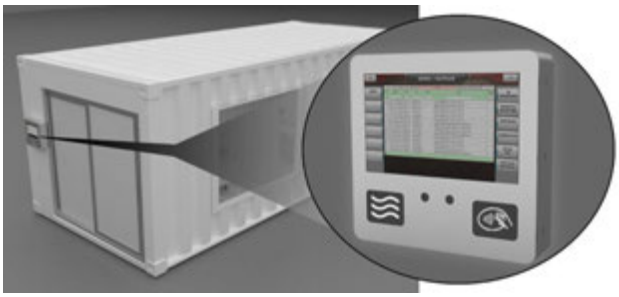


Energy and Infrastructure Features

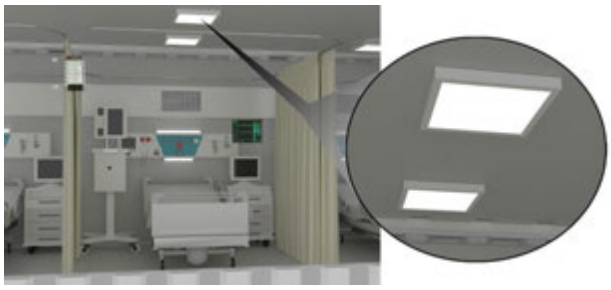
- Compatible with external power supplies,
- 230-380 Volt options are available,
- Stand alone UPS with 12V/9A battery,
- UPS full unit 15 minutes power back-up time,
- UPS at 50% load; 41 minutes power back-up time.

SPECIFICATIONS OF ENERGY AND INFRASTRUCTURE			
	45' CONTAINER	40' CONTAINER	20' CONTAINER
UPS 6 kWA	O	O	O
GENERATOR 10 kWA	O	O	O
POWER LINE (220-380 V)	S	S	S

Automation System and Infrastructure



Room Management Screen



Controllable Lighting System



Nurse Call System



Patient Tracking System with Camera

Automation System

- Integrated-system functionality
- Patient room data display
- Patient data display
- Temperature and humidity status
- User level settings
- Touch screen
- Face recognition system
- Login with RFID card reader

Manageable Ventilator

- Large and ergonomic screen
- Touch and membrane keys
- Easy to use
- Advanced monitoring data
- Low operating costs
- Supports all languages
- Sterilizable heated bacteria filter
- Advanced mode options according to patient type
- Independent lung ventilation
- Built-in Nebulizer
- Graphical and numerical trend feature

AUTOMATION			
	45' CONTAINER	40' CONTAINER	20' CONTAINER
CABINET AUTOMATION	S	S	S
Room Pressure Indicator	S	S	S
Water Level Indicator	S	S	S
Nitrogen, Oxygen, Air Level Indicator	S	S	S
Room Temperature Values	S	S	S
Camera Control	S	S	S
AIR CONDITIONING AUTOMATION			
Display of Temperature Set Values	S	S	S
Display of Humidity Values	S	S	S
Filter Pollution Indicator	S	S	S
LIGHTING AUTOMATION			
High light quality	S	S	S
Easy maintenance	S	S	S
Energy-saving	S	S	S
Easy install	S	S	S
MULTIMEDIA AUTOMATION			
Remote on-off	O	O	O
Support from central system	O	O	O
Adjustable viewing angle	O	O	O
Non disturbing sound volume	O	O	O



Respiratory Rate :	1-99 bpm
PEP:	0-10 cm H2O
SIMV Rate:	1-20 bpm
Oxygen Concentration:	Air compressor with 21-100%
Micro Adjusting Inspiratory Plateau:	-10-10 cm H2O
Trigger Accuracy:	1-10 L/m
Pressure Limitation:	1.0kPa~6.0kPa
Safe Working Pressure :	≤ 6.0kPa 1.0kPa~6.0kPa
Airway Pressure Alarm:	Ü: 0.1~6kPa,A: 0.1~5kPa
Oxygen Concentration Alarm:	Ü: 22~100%, A: 21~80%
Inspiratory/Expiratory:	4:1-1:4

Areas of Use;

- Disaster areas,
- As additional buildings to hospitals,
- Epidemic zones,
- Military bases,
- In the areas where medical infrastructure is insufficient
- Battlefields
- As an emergency and medical center at large construction sites with many workers
- As an emergency and medical center in large events with a large number of visitors
- As an emergency and medical center in sports competitions
- At large factories in Organized Industrial Zones







