Unicom World Group

DEPARTMENT OVERVIEW

Unicom
Mobile hospitals

Field hospitals, truck-based hospitals, mobile clinics and decontamination systems, delivered turnkey

Emergencies · Natural disasters · Health crises · Remote areas



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Providing care where and when it is needed

Unicom World Group's Mobile Hospitals department supports ministries of health, humanitarian organisations, local authorities and private operators in acquiring deployable medical facilities, working with specialised partner manufacturers.

From the field operating room to the 1,000-bed modular hospital, every solution is delivered equipped, installed and commissioned, with training for local teams.

30 → 1,000
beds, depending on configuration

15 to 30
indicative manufacturing working days

Role 1+
upgradable to NATO Roles 2 and 3

Turnkey
installation, commissioning and training

Our four ranges

01 — Field hospitals
Modular container and tent structures, from the operating room to the complete hospital.

02 — Truck-based hospitals
Mobile care and surgical centres, from 1 to 6 trucks with trailers.

03 — Mobile clinics
Specialised semi-trailers: operating room, polyclinic, mammography and gynaecology, dental, radiology.

04 — CBRN protection & decontamination
Decontamination tents and cabins, personal protective equipment.

Delivery, installation & warranty

Delivery
Ex-works (EXW); sea freight and insurance quoted according to the destination country.

Installation
Installation, commissioning and training of local teams included.

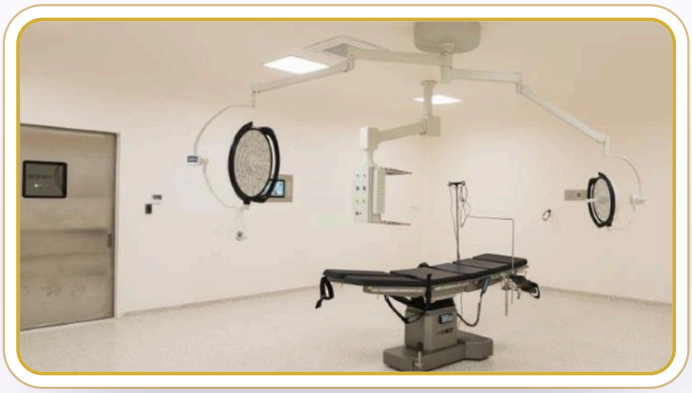
Client responsibilities
Customs clearance, land transport to the site and local permits.

Warranty
1 year after factory acceptance, extendable to 2 to 5 years.

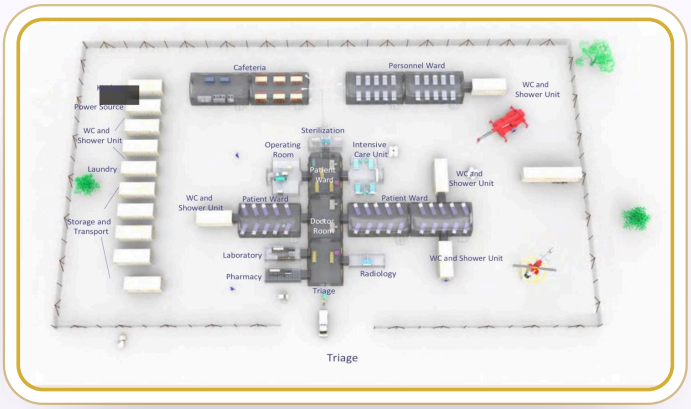
01 Field hospitals

A modular range, from the first-response operating room to the very high-capacity hospital.

CONFIGURATION	COMPOSITION	FOOTPRINT	BEDS
Mobile operating room 1+1	1 expandable container (OR) + 1 inflatable tent (triage)	15.7 × 6.3 m	—
Mobile surgical solution 1+5	OR, 4-bed ICU, laboratory, radiology, transfer and triage	24 × 22 m	**4**
30-bed field hospital	Complete hospital: OR, ICU, wards, laboratory, pharmacy, radiology, kitchen	65 × 36.7 m	**30**
91-bed negative-pressure hospital	60 ICU beds, 26 HDU beds, triage and emergency	≈ 3 500 m²	**91**
100+ bed modular hospital	In-patient, medical support and full logistics	≈ 6 000 m²	**100+**
250-bed modular hospital	Extended configuration, 8 ICU units	≈ 9 500 m²	**250**
500-bed modular hospital	High capacity, mobile dialysis and CT	≈ 12 975 m²	**500**
1,000-bed modular hospital	Very high capacity, 10 ICU units, 4 dialysis units	≈ 20 300 m²	**1,000**



Equipped operating room.



Typical layout of a 30-bed field hospital.

02 The negative-pressure hospital

Designed for airborne infectious diseases, it isolates patients in negative-pressure areas.

Section A — Triage, emergency, in-patient

≈ 1,530 m² (62%): triage, emergency, 6 ICU units, 2 HDU units, radiology, sterilisation, pharmacy.

Section B — Polyclinics and administration

≈ 558 m² (22%): polyclinics (medicine, gynaecology, dermatology, ENT, ophthalmology, orthopaedics, neurology), laboratory, mortuary.

Section C — Logistics and technical support

Kitchen, dining hall, laundry, generators, water tanks, oxygen filling station, ICT and maintenance.

60	26	3	2
ICU beds	high-dependency beds	triage beds	emergency beds

Technical features

- Insulated sandwich panel structure (polyurethane 42 kg/m³, 50 to 80 mm)
- Dust-, snow- and wind-proof; anti-corrosion
- Air conditioning and closed sterile environment
- Medical gases: oxygen generator, compressor, copper piping
- Primary and back-up generators (over 200 kVA)
- Reverse-osmosis water treatment
- Wired and wireless communications, intranet, video surveillance
- Telemedicine optional; inflatable tents optional
- Stretcher ramps, antibacterial PVC flooring
- Transport by semi-trailer; 6-hour staff training



In-patient ward.



Care unit equipped with stretchers.

03 Truck-based hospitals & mobile clinics

Self-sufficient medical facilities that travel as close as possible to the population.

1 truck with trailer
Operating room and preparation area for routine procedures.

3 trucks with trailers
8-bed primary healthcare centre.

4 trucks with trailers
Healthcare centre with surgical capacity, including deliveries.

6 trucks with trailers
20-bed level 2 hospital according to the United Nations classification.

MC-7010
Mobile operating room
with 4-bed recovery room

MC-7020
Mobile polyclinic
3 consulting rooms, vaccination and treatment room

MC-7030
Mammography & gynaecology
gynaecological examination, mammography, observation

MC-7040
Dental clinic
3 dental chairs, dental X-ray

MC-7050
Radiology clinic
examination, laboratory, doctor's room, X-ray

Common specifications: 13.60 × 2.55 × 4.00 m · 65 to 80 mm panels · anti-corrosion steel chassis · 9,000 BTU air conditioning · 9 kW generator · hydraulic expansion · Ethernet and Wi-Fi.



Truck-based medical unit.



Interior circulation of a mobile unit.

04 Units, equipment & CBRN protection

Each unit is delivered fully equipped; the detailed list is provided after signing a non-disclosure agreement.

Operating room
table, lighting, electrosurgical unit, anaesthesia, suction, monitor, defibrillator

Intensive care
ICU beds, ventilators, syringe pumps, monitors

Neonatal care
incubators, radiant warmers, phototherapy

Emergency & triage
stretchers, portable ventilator, ECG, care trolleys

Imaging & sterilisation
mobile X-ray, ultrasound, autoclave

Laboratory & pharmacy
biochemistry, haematology, coagulation and blood gas analysers

Medical gases
oxygen generator, medical air, vacuum, nitrous oxide

Living & logistics
kitchen, laundry, sanitary units, offices, water treatment

CBRN protection & decontamination

Decontamination tents
2 to 4 corridors, 40 to 80 people per hour, ready in 10 minutes.

Decontamination cabins
1 or 2 sections, 20 to 40 people per hour.

Protective equipment
level A, B and C suits; isolation stretcher for infected patients.

According to the partner manufacturers, production follows in particular ISO 668, ISO 1496-1 and ISO 1161 (containers), EN ISO 13485 (medical devices) and MIL-STD 810 (environment). Certificates are provided on request.

05 Indicative budgets

CAPACITY	INDICATIVE BUDGET
30 beds	1.79 EUR m
100+ beds	21.25 EUR m
250 beds	30.25 EUR m
500 beds	35.25 EUR m
1,000 beds	40.35 EUR m

Price references established in 2020, turnkey excluding sea freight, for guidance only. Each project receives an updated offer.

How a project unfolds

1. **Requirement** — Capacity, specialties, site and schedule.
2. **Design** — Site layout and list of units.
3. **Offer** — Detailed offer and contractual terms.
4. **Manufacturing** — Factory inspection and acceptance.
5. **Deployment** — Delivery, installation, training.

Discuss your project

For a personalised study, contact our department stating the capacity, country and desired timeframe:

✉ unicomgroup@free.fr
◆ 3i-holding.com/contact-staff

Unicom World Group acts as an intermediary with specialised partner manufacturers. Medical equipment is supplied in accordance with the regulations of the country of installation. Configurations, lead times and budgets are indicative and non-contractual; any order is subject to availability, approval by our compliance department and the signing of a contract.