

# Mobile CBRN Decontamination Unit (MDU CBR)



## Our NRBC solution

- 1** Continuous treatment of **150 victims per hour** with **8 decontamination aisles** (2 for invalid victims)
- 2** Usefull Area : **68m<sup>2</sup>**
- 3** Rapid deployment: Less than **\*1h00 to be ready to receive the first victims** (\*depending on configuration).
- 4** Fast & efficient operation: Hydraulic hooklift on the truck (**Ampliroll**); **All terrain** (slopes up to 3%)
- 5** Transportability of the Shelter ISO 20 ft : **Air** (C130,A400M,IL76,AN124), **Land** (all roads + rails) and **Sea**

## MAIN REFERENCES

- USM UniHA (SAMU 51, 54, 67).
- UMPEO SAMU 31.
- UMD LL SAMU 31 et U2MEO CHU Ranguel Toulouse.
- Programmes MC2P, SAMD, C3M (Air and Space Force).
- Spanish Air Force - Airborne Brigade Mobile Hospital Configuration.
- Command station FGMI : National Gendarmerie CPGC

## Usability

Standalone **Rapid Deployment Unit** integrated in an expandable shelter for the continuous treatment of **150 victims per hour** with **8 decontamination aisles** (2 for invalid victims)

- Mass casualties decontamination
- From industrial accident to terrorist attack
- Reinforcement of fixed hospital
- Rapid deployment on the event site
- Single truck transportation (hydraulic hooklift)

## Characteristics

### Pre-organization :

- 6 valid victims decontamination aisles
- 2 invalid victims aisles with stretcher conveyor
- Virusproof walls and panels & Showers with integral boiler
- Pulsed hot air (Pulse air guns)
- Enclosed Water Storage tank
- Collection and storage of wastewater (cushion tank)
- Protective suits and decontaminant products storage
- Soiled clothe and equipment storage
- Inside and outside lighting
- Marking and signaling kits
- Grid connections (Power + Water)

### Pre-equipment:

- Interior and exterior lighting..
- Infrastructure connection (water + energy).



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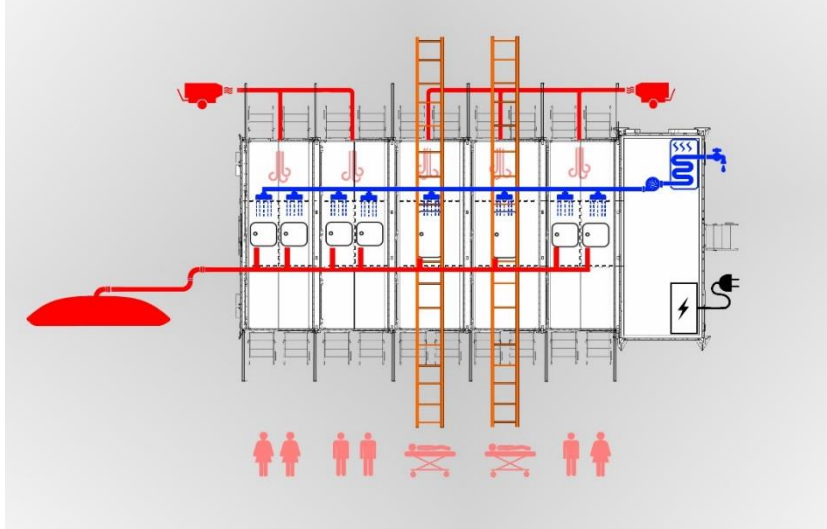
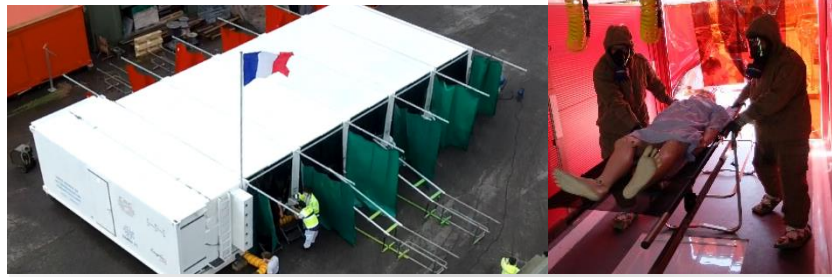
## → Inside Layout

- Showers with spiral hoses and hot water distribution
- Cross unit stretcher conveyors for handling of non walking victims
- Pulsed Hot Air opposite decontamination direction
- Integral Pump, boiler and accessories
- Soiled cloth and equipment disposal boxes
- Protective suits, decontamination soap and accessories storage
- LED lighting panels
- Power and water junction kits (shell boxes connectors)

## → Outside Layout

- **Partitioning canvas and strip curtains**
- Junction cables and hoses kits
- Marking and signalling equipment
- **Hot Air Guns + Air Ducts**
- Outside lighting (LED spots)
- **Waste water collection cushion tank**
- **Roof ladder and lifeline**
- Compatibility with handling equipment (forklift, straddle carrier, crane ...)
- Airtransportation fastening rails and accessories (option)
- **Access stairs**
- **Grounding kit**

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