

UDHv CBRN DECONTAMINATION UNIT

FOR HOSPITAL INFRASTRUCTURE
Version for able-bodied persons



RAPID

- Rapidly set up (**less than 5 min**)
- **Easy to use**
- Can be set up to operate by only **2 persons**
- **Fully autonomous** and **self-sufficient**
- **No external equipment** required



COST EFFECTIVE

- Long **service life**
- **Easy to store**
- Does not require any specific maintenance
- **Simplified** training of operators
- Weather **resistant**
- **No infrastructure** work required



EFFICIENT

- Effective on **any type of CBRN** contamination
- **Separate cabins** with walk through concept
- Capable of handling up to **8 able-bodied patients** at the same time
- **Complementarity** between units that can all be combined
- Designed to meet **official bodies recommendations** (SGDN, EPRUS, SSA)



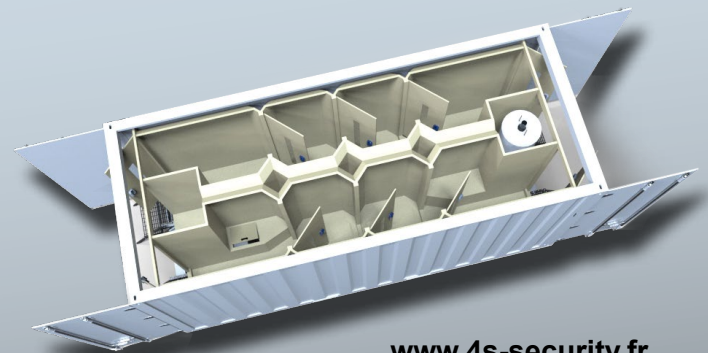
SAFE

- **Closed cabins**
- **Air flows** management
- No cross contamination
- **Patients intimacy** respected
- **Smooth surfaces** with rounded corners
- **Secure process** for the management of liquid waste



SIMPLE

- Standard **ISO 20"** container
- **Compact** dimensions
- **Easy to transport**





CONTAINER

- 20" standard ISO maritime transport approved
- Dimensions (mm): L 6058 x W 2438 x H 2896
(ft): L 19,87 x W 8,00 x H 9,5
- Small footprint (1 parking place)
- Access by embedded retractable stairs
- Weight: 6000 to 7000 Kg (13,000 lbs)
(depending on options selected)
- Both ends terminated with double doors
- Option: Folding & rigid canopies

PRODUCTION OF WATER

- Connection to hospital cold water network
- Integrated water heater with thermostatic mixing valve (300 litres/80 US gal at 65°C/149°F)
- Can be connected to the hospital warm water network
- Options : Integrated fuel oil boiler, integrated fresh water tank and pressure pump, additional fresh water tank

DECONTAMINATING CHEMICAL DOSAGE SYSTEM

- Automatic mechanical proportional dosage of decontamination solution (1% to 10%)
- 150 litres/40 US gal decontamination solution tank

LIQUID WASTE PROCESSING

- Integrated storage tank for the effluents and integrated draining pump (2000 litres/528 US gal)
- Integrated system for biologically or chemically contaminated water treatment before evacuation
- Connection to the hospital sewage system
- Options : Overflow prevention system, additional waste water tank

CABINS

- 2 decontamination lanes with 4 cabins each
- Disrobing, decontamination, rinsing, drying and control
- Watertight and airtight doors with an oculus
- Hatches in cabins and storage area for bags of contaminated clothes
- Shelves for consumables and accessories
- Insulated, smooth surface walls with rounded corners and resistant to decontamination products
- Comfortable size of the cabin (95 x 110 cm/12 sq ft)
- Explanatory panels

VENTILATION & HEATING SYSTEM

- 300 m3/h forced ventilation with air control into each cabin
- Air outlet overpressure with upstream discharge of contaminated air
- Ventilation air flux heating (1200 W)
- Option : CBRN filtration of air flow

ELECTRICAL FEATURES

- Connection to the hospital electrical network (7 KW, single phase power 230 V or three-phase power 400 V)
- Option : Integrated wheeled mobile power generator (230 V, 7 KW)

TRANSPORT & SET UP

- Crane Truck delivery
- Rapid to install (few hours)

OPTIONS

- Specific external painting, customer marking or specific signs
- Cabins sound system and operators intercom
- Geo-localization and remote surveillance (Ethernet, Wi-Fi, Smartphone)
- Tactile control screen (temperatures and tanks levels)

www.4s-security.fr

 **Eco-designed in France**, local supply chain.