

DRIVEN BY INNOVATION

DECONTAMINATION SYSTEMS



GEMCO®

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DECONTAMINATION UNIT



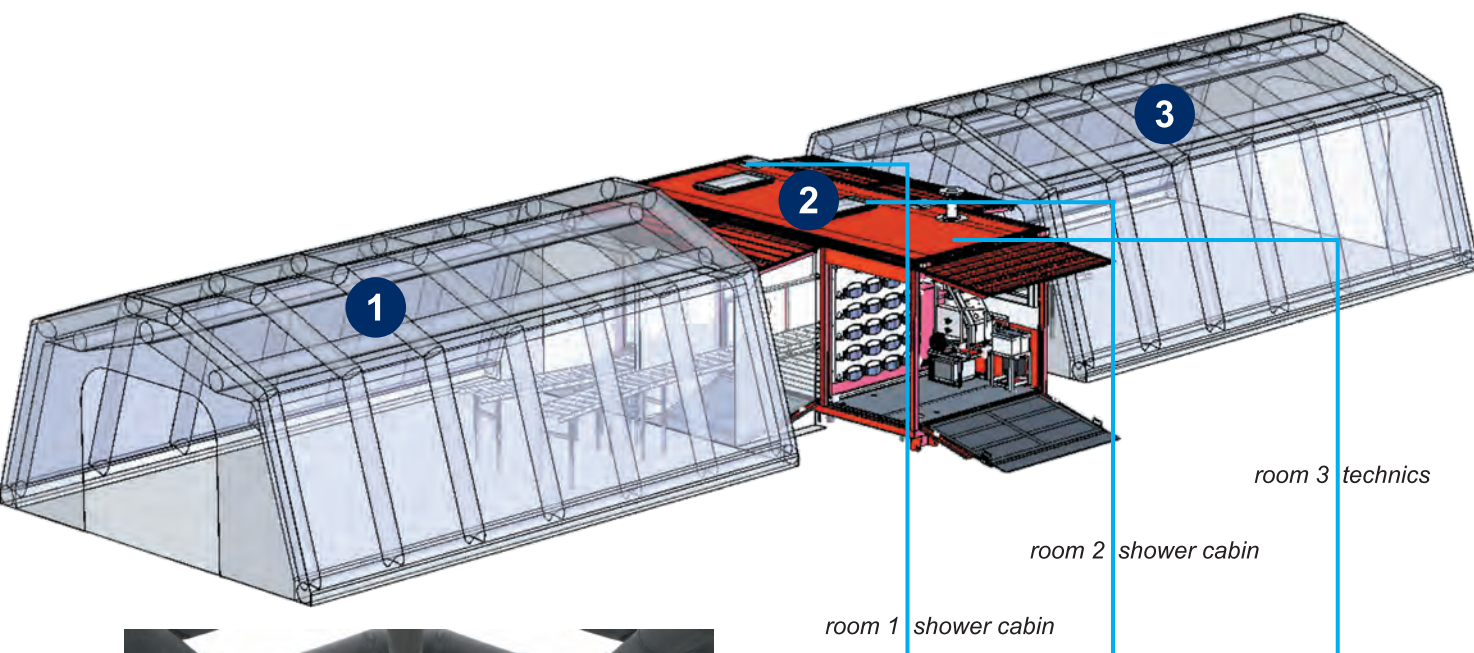
This unit is fully self-supporting and specially designed for hazardous material disasters when rapid response intervention is required, or for urgent mass decontamination (in the case of epidemics, terror attacks etc.). All necessary equipment, materials and consumables are available within the unit(s). The system can be deployed in less than 30 minutes by only 2 persons and is immediately ready to use.

DECONTAMINATION UNIT



Water supply can come from firetrucks, water wells, external water source etc. or additional (large) water tanks can be provided.

THE CONTAINER



The container section is divided in three rooms

The Decontamination Unit is based on a hook arm container according to the European standards and international standards and can be transported with a hook arm truck.

The decontamination unit has a capacity of 50 persons per hour. All necessary equipment, materials and consumables are available within the unit and installed in roller containers. A separate logistic vehicle is not necessary.

On location the unit can be extended with a quick inflatable tent on each side of the container. The total area per tent will then be 48 m².

The decontamination unit can be divided into three separate areas:



THE CONTAINER



- ❶ Quick inflatable tent, contaminated area (black) : For unclothing injured people, immediate medical care and pre-decontamination.



- ❷ Shower area :
Via two roller-guided lanes the injured persons will be transported onto spine boards to the decontamination showers. Injured persons can be decontaminated either laying down with a hand shower or standing by a fix installed shower.

The decontamination process consists of foaming, neutralizing and spraying and is controlled by a specially designed software.

- ❸ Quick inflatable tent, clean area (white) :
Handing over the decontaminated person to the medical staff or ambulance personnel according to required degree of further treatment.

The container section is divided in 3 rooms. Rooms 1 and 2 are the shower areas, completely made in stainless steel. Room 1 can also be single-used as a decon shower without unloading room 2. Room 3 is the technical room which can be entered through an aluminium jalousy or the fully opened back door. In room 3 there are fix installed technical items like the charging rack for the blowers, the boiler, the decon mixer and the electrical control cabinet.

THE LOADING



All equipment is stored in the container on eight roll containers. All roll-containers are fitted with dead-man's brake systems.

parts of the loading:

- 1 x generator 13 kVA, supersilent.
- 2 x cable reel 400V, IP68
- 2 x 10 m extension cable 230V, IP68
- 2 x inflatable tent
- 2 x blower for tent
- 2 x lighting set tents
- 2 x tent heater, 25 kW, diesel powered
- 1 x flow heater, diesel powered
- 2 x conveyor system, stainless steel
- 20 x spinal board with fluid resistant belt system
- 2 x marquee set
- 34 x Splash suit with blowers
- 50 x single use patient clothing

Decontamination liquid for A-, B- and C-Contamination for approximate 50 people, wound dressing in different sizes, waste bags, dressing bags, gloves and goggles.



flow heater



generator



tent heater

S P L A S H S U I T S



Re-usable chemical-protection suits that provide protection from many different chemicals and hazardous substances.

Classification: All suits are CAT III / TYPE 3 in accordance with EN 14605. In conjunction with the breathing air fan, the suits comply with EN 12941.

Features:

- Full protection suit with internal, fully decontaminatable filtering unit
- Soft, flexible material, hard-woven polyamide with PVC coating on the outside
- All seams fully sealed

Technical data:

- Usage temperature: -40°C to + 65°C (-40°F to +149°F)
- Signal colours: bright yellow, red or green
- Sizes: Standard size XL, other sizes available on request

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GEMCO Mobile Safety B.V.
Science Park Eindhoven 5053
5692 EB Son
The Netherlands
T. + 31 40 2643 700
E. sales@gemcosafety.com

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