



// CBRN - COLPRO

COLPRO SHELTERS | AIR FILTRATION UNITS | AIRLOCKS | HVAC ECU

APPLICATION FIELDS



Fire department, rescue service and aid organisation



Civil defence



Triage, field hospitals, first aid posts



Military



Weatherproof Shelter for Sensitive Equipment and Workshops



LANCO's integrated ColPro systems are designed, manufactured, and rigorously tested to provide exceptional protection against chemical, biological, radiological, and nuclear (CBRN) threats.

- CUSTOM DESIGNED CCAs AND TFAs
- CCAs CAN BE FITTED WITH DECON SYSTEMS
- DEPLOYABLE CBRN PROTECTION. FIELD PROVEN COLPRO SYSTEMS
- EASY ACCESS FOR MAXIMUM EFFICIENCY

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ColPro systems are manufactured according to customer specifications focusing on efficient, rapid setup and operation for decontamination and protection under CBRN threats or for medical purposes.

CONTAMINATION CONTROL AREA (CCA) SYSTEM

- Entrance for decontamination procedures.
- Pressure Indication Unit (PIU) displays overpressure in each area.
- The shower unit can be integrated into the inner liner.

AIRLOCK SYSTEM

- Equipped with aluminum solid doors and mechanical air flow steering/overpressure regulation.
- The doors are permanently mounted to a solid frame system.
- It can be mounted in front of the CCA, between CCA/Decon and the TFA area.
- The size of the airlock depends on the specification of use (walking persons, stretcher, equipment to move in and out).

TOXIC FREE AREA (TFA) SYSTEM

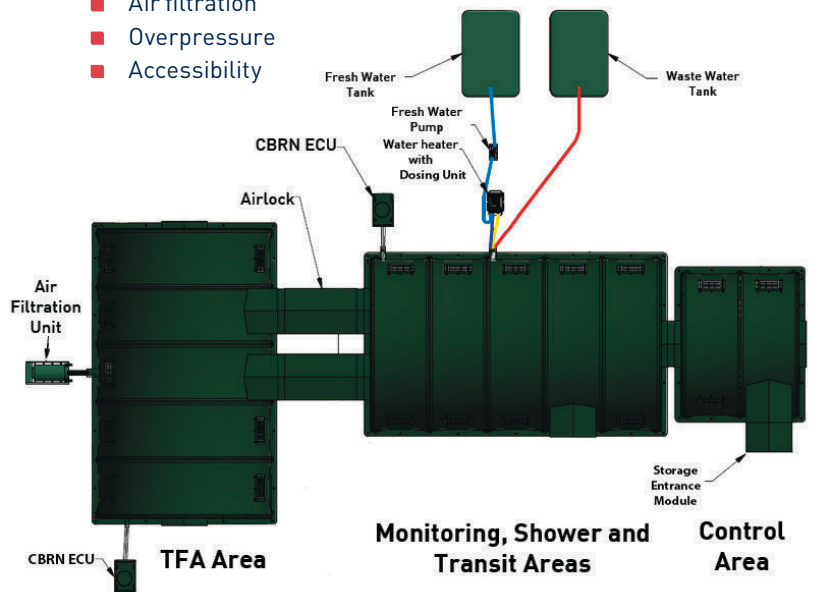
- Protects personnel and equipment against chemical and biological agents.
- Protects against nuclear fallout (not against radiation).

INNER LINER

- Can be used between -40 / +70° C
- Fire-retardant B,s1-d0 according to EN13501-1 standards.
- Tested by Porton Down UK and US Army RDECOM
- Exceptional resistance to chemical and biological warfare agents, nuclear and radiological particulates and toxic chemicals.

CORE FUNCTIONS

- Barrier protection
- Air filtration
- Overpressure
- Accessibility



AIR FILTRATION UNIT

- Provides 600 m²/h or 300 m²/h clean air within the COLPRO system.
- Keeps the system under constant overpressure and avoids new contamination with hazardous agents or gasses.
- Provided with a distinctive audio-visual alert for filter change or electrical failure.
- Alarm can be extended by wire to an external control center or command post, or inside the shelter system itself.

LANCO

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