



The Mobile Decontamination Container is a fully self-sufficient, rapidly deployable solution designed to ensure safe, efficient, and controlled decontamination of civil protection and emergency response personnel following chemical, biological, or radiological incidents.

Engineered for operation in both urban and remote environments, the container provides a complete cleaning, showering, and personnel flow management system, ensuring strict separation between contaminated and clean zones.

Designed for Emergency Response Operations

High-Performance Firefighting Capability

- Suitable for deployment near buildings or in open terrain
- Hooklift-compatible transport container design
- Fast setup and immediate readiness for operation
- Optimized for civil protection, fire and rescue services



Fully Integrated Decontamination System

The container includes:

- Primary decontamination shower for initial cleaning
- Neutralization and washing showers
- Hand-held showers and emergency showers
- Controlled water collection and drainage system

All internal surfaces, floors, and walls are water-resistant, non-slip, and chemical-resistant, ensuring safety and durability in demanding environments.

Self-Sufficient Operation

The system is fully autonomous and equipped with:

- Integrated diesel or petrol generator
- Heating, cooling, and air conditioning systems
- Hot and cold water supply
- LED interior and exterior lighting
- Independent operation in temperatures from -30°C to $+50^{\circ}\text{C}$

This allows the container to operate continuously without external power or infrastructure, even in extreme weather conditions.

Modular Layout & Clear Zoning

The internal layout is divided into multiple sealed sections:

- Technical and equipment compartment
- Dressing and undressing areas
- Shower and neutralization zones
- Clean exit area

This structure ensures controlled personnel flow, supporting established decontamination protocols and operational safety standards.



Expandable with Inflatable Tent System

The container can be connected to a large inflatable tent, creating additional clean or transitional zones:

- Quick inflation with integrated compressor
- Resistant to extreme weather conditions
- Equipped with lighting, heating, and ventilation
- Suitable for long-duration operations



Built for Reliability & Compliance

- Manufactured from corrosion-resistant materials
- Designed in accordance with European standards
- High load-bearing capacity and long service life
- Delivered fully equipped, tested, and ready for use
- Includes training, documentation, and warranty support

A Professional Solution for High-Risk Environments

The Mobile Decontamination Container provides emergency services with a reliable, mobile, and fully integrated system for personnel safety, hygiene, and operational continuity in the most challenging scenarios.

Personnel Safety & Ergonomics

The container is supplied with essential personal protective equipment, including:

Disposable protective suits | Gas masks with certified filters | Protective gloves and overshoes
Custom equipment available according to customer requirements



Interior spaces are designed for easy movement while wearing full protective gear, with seating, hooks, shelves, and storage compartments placed for maximum usability and efficiency.

Intelligent Control & Digital Monitoring

The decontamination system is equipped with advanced control and management software Arete Decon Logic that enables full supervision of the decontamination process in real time.

The software allows:

- **Flexible configuration of decontamination scenarios** depending on the type of contamination (chemical, biological, radiological or combined)
- Adjustment of process parameters such as **water flow, temperature, cycle duration, and treatment stages**
- User-friendly control interface for operators in protective equipment

The system includes an integrated data storage and reporting module, which records key operational and personnel-related data for each decontamination cycle.

Collected data can be used for:

- Operational monitoring and performance analysis
- Documentation of completed decontamination procedures
- Post-incident review and preventive health monitoring
- Supporting long-term safety and risk assessment for personnel who have undergone decontamination

This digital approach enhances process reliability, traceability, and preventive planning, transforming the decontamination container into a smart, data-driven safety solution.

Visual Overview

