



Mobile Flood Protection System

The ARETE Flood COMBAT Units are high-capacity, rapidly deployable flood protection containers designed to protect critical infrastructure, urban areas, and industrial sites from rising water levels and extreme weather events.

Engineered for speed, reliability, and ease of deployment, the system integrates all flood protection equipment into a single, self-contained container, ready for transport and immediate use.



Hook-Lift Mobile Container Solution

The core innovation of the ARETE Flood COMBAT Units is the hook-lift compatible container, which allows fast and safe transportation using standard emergency or municipal vehicles.

Key features of the container:

- Fully enclosed platform with heavy-duty PVC tarpaulin
- High-visibility design with reflective elements
- Protection against weather, UV exposure, and mechanical damage
- Easy access to all equipment for maintenance and operation
- Modular internal layout keeping all components secure, organized, and ready for immediate deployment

Benefit: With everything stored in one container, emergency teams can respond rapidly with minimal setup time.

Integrated Inflatable Flood Barriers

Inside the container are high-performance inflatable barriers designed for immediate flood response.

Features:

- Barrier height up to 1.2 meters when inflated
- Cylindrical structure with integrated ballast skirt
- Water-filled ballast system for enhanced stability
- Reinforced double-layer fabric in high-risk areas
- High-frequency welded seams for maximum durability

The barrier design is optimized for fast deployment directly from the container, using water pressure to improve ground sealing.



Flexible Deployment & Configuration

The container system supports rapid connection and alignment of barrier sections, allowing adaptation to any site layout or terrain.

Highlights:

- Multiple angle configurations
- Carry handles for manual handling
- Reflective markings and signal light pockets for night-time visibility
- Single connection point filling reduces deployment time

Integrated Support Equipment

Each container includes all necessary equipment for autonomous flood defense operations:

- Hydraulic reels for controlled winding and unwinding of barriers
- Hydraulic power station for reliable reel operation
- Electric generator for independent power supply
- Portable water pump for barrier filling
- Mobile lighting mast for safe night-time operations

Everything is securely stored and ergonomically arranged inside the container for immediate use.

Designed for Real-World Emergency Response

ARETE Flood COMBAT Units are ideal for:

- Urban flood defense
- Protection of industrial facilities
- Infrastructure and utility safeguarding
- Emergency and civil protection services

Advantages:

- Rapid response with minimal personnel
- Fully self-sufficient and transportable
- Durable, corrosion-resistant materials for repeated deployments