

# MECS

## Mobile Expandable Container System



The MECS is an expandable 40 ft container that enables a sheltered mobile training environment. The MECS brings the operational training system to the field, ensuring critical skills are maintained.

The MECS is certified for highway and field mobility, arriving quickly wherever required and eliminating costly logistic efforts. The MECS is light isolated and can be dismantled either on a trailer or on ground.

The MECS makes it possible to reach all deployed units, prepare soldiers during operational missions and train reserve soldiers on emergency-alerts before entering live operational situations.

The MECS unique expandable side hatches are based on a hydraulic system which can open the container to a training area as large as 700 ft<sup>2</sup> / 65 m<sup>2</sup>. This training area can be modified according to the customers needs.

Possible applications:

- Small arms trainer
- Artillery fire control trainer
- Howitzer Crew Trainer
- ISTAR Battle-Lab
- After Action Review room

## Characteristics

- Brings the trainers to deployed units, saving logistic efforts
- Inner space can be modified according to customers requirements
- Completely self-sufficient (including power source)
- Fast set-up and disassembly by one person in less than 30 minutes
- No site preparation required
- Light isolation

A joint venture of:



VAN HALTEREN  METAAL BV

## The MECS is field proven with the U.S. Army Engagement Skill Trainer (EST2000):



### Small Arms Trainer

The MECS was designed especially for small arms training systems and is second generation to the M-EST (Mobile Engagement Skill Trainer), which has been in successful operational use for several years. The MECS allows installation of small arms systems without the need for modifications or integration. The Small Arms Trainer provides training for marksmanship, squad tactical operations and judgmental use of force ("shot/ don't shoot") techniques and skills. The system displays targets, terrain and weapon effects in real-time and 3D presentation.

## The MECS can serve as a mobile facility for a variety of systems and applications:



### Battle-Lab

Lab environment for advanced CONOPS (Concept of Operations) development, testing and verification: scenario and data generation, analysis of procedures and capabilities in real time and performance of After Action Review.



### Howitzer Crew Trainer

The HCT enables training with full artillery simulated gun and ammunitions from the gunnery up to the battery level. The system includes an instructor station, training ammunition and the simulated howitzer. All parts are equipped and controlled by sophisticated sensors and software and completely simulate the firing of a real field howitzer.



### Artillery Fire Control Trainer

Artillery & Fire Control Training Systems, allow indoor training as individual observer or Artillery Brigade Support Group. The system includes the use of Simulated Military Equipment (SME), Semi Automated Forces and 3D terrains and active targets.

## Bagira Systems Ltd.

Bagira provides turnkey solutions for the training requirements of the global defense community. Bagira offers simulators and training packages including operation and maintenance services supplied by a team of highly experienced personnel.

**Bagira trains over 70,000 soldiers  
on a yearly basis using a variety of simulators**

**Bagira Systems Ltd.**

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## Van Halteren Metaal B.V.

VHM is the leading Dutch defence integrator, renowned in the field of Land Systems and military Training and Simulation. Our modern facilities are situated in the centre of The Netherlands.

VHM provides turn-key solutions through its vast experience in engineering, project management, machining, construction, assembly and systems integration. Moreover, VHM is the provider of Howitzer Crew Trainers which were sold to 9 international customers.

**Van Halteren Metaal B.V.**

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