

MORSIM

MORTAR SIMULATOR - A JOINT DEVELOPMENT OF THE ROYAL NETHERLANDS ARMY AND VAN HALTEREN



Van Halteren is the leading supplier of training systems for Howitzer Crews in the world, having delivered training systems to more than 10 international customers. Driven by the need for better, safer and more cost effective training, Van Halteren has developed a mortar trainer in close cooperation with the Dutch Armed Forces.

The challenge of modern training is how to train the units to the highest proficiency while expending the least amount of resources. Live firing training is expensive, dangerous, hazardous to the environment and most important, not done enough to achieve the desired skill level. Van Halterens' MORSIM bridges gap between class room training and live firing.

Key features

- Bridging the gap between classroom training and live firing
- Available for calibers 60, 81 and 120 mm
- Deployable in any location in the world because of container concept
- Full training capabilities on all operational tasks
- Ammunition drills (recognition, setting, etc.)
- Direct and indirect firing modes
- Failure modes, including misfire drills
- Team and Battery firing capabilities
- After action review possibilities (video and data)
- Simulated environment, including vision and sound
- Including airco unit with heating



Simulated 81 mm Mortar specification

- Type: 81 mm
- Elevation range: 700 – 1500 mils
- Traverse range: +/- 750 mils
- Firing frequency: 1 round every 3 seconds

Technical specification

- Max number of consecutive rounds: 12
- Ammunition Detection System: ARES
- Link-up system for multiple simulators incorporated (enabling battery missions)
- Link-up system for FOT-trainer incorporated: ACLASS
- Dome type flame retardant

- Certified CC container (6058x2438x2591 mm³) top stowage only
- Footprint while deployed: 6x5 m²
- Height while deployed: 5 m
- Max Power consumption 3.6 kW (230 VAC, 16 A)
- Weight 5,000 kg

Additional data

- Developed together with Royal Netherlands Army
- Patent pending
- Proven technology, as part of the Van Halteren Simulator family (>50 systems delivered worldwide)
- Instructor Software in service in 4 countries