



GUARDIARIS
Train The Brain.



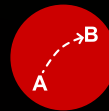
INDOOR MORTAR CREW TRAINER



ENTIRE FIRING
CYCLE



TRIPOD MOUNTED
SYSTEM



ACCURATE PROJECTILE
TRAJECTORY



EXACT AMMUNITION
REPLICAS

NEW REALITY OF TRAINING REALISM

KEY FEATURES

- Realistic mortar simulation
- Fully customizable weapon replica
- Covering the entire firing cycle
- Fully simulated weapon ballistics
- Tactical and procedural mastery
- Realistic environment conditions for effective training
- Simultaneous crew training



Indoor Mortar Crew Trainer, IMOT is a highly realistic training simulator, covering the entire firing cycle including communication, tactics, and handling procedures. IMOT covers training of the entire firing cycle with the possibility of performing Artillery Forward Observer (AFOT) and Fire Direction Center (FDC) training simultaneously.

Artillery Forward Observer Trainer (AFOT) is a portable indoor or outdoor trainer for training of artillery Forward Observers in infantry units.



Artillery Forward Observer Trainer (AFOT)



EXACT MORTAR REPLICAS

IMOT uses exact mortar replicas for highly realistic training in a limitless number of real-life situations. Proprietary GUARD™ simulation technology calculates accurate projectile trajectories. High simulation realism is achieved also via the adequate response of synthetic environments to the activities of mortar crews.

AMMUNITION REPLICAS

Simulated mortar ammunition replicates real ammunition in size, balance, and weight. It properly replicates colour, fuse type, fuse setting procedure and the propellant ring setting procedure. Wireless communication with the Control Station gives the end-user a complete overview of the projectile type, fuse setting, number of propelling rings and ballistics.



AUTHENTIC TRAINING

The highly realistic IMOT provides comprehensive mortar crew training in tactics, communication, and handling procedures. Realistic conditions provide simultaneous training for unit level training and fire coordination. After-action review provides comprehensive post-training analysis to achieve maximum training efficiency.

GUNNER TRAINING

Weapon handling and setup, sighting and target acquisition, fire missions and adjustments execution, ballistics and impact simulation, tactical and combat scenario training, and communicating effectively with the fire direction centre.

ASSISTANT GUNNER TRAINING

Efficient and safe loading procedures, seamless coordination with the gunner, safety protocols for ammunition handling and mortar operation.

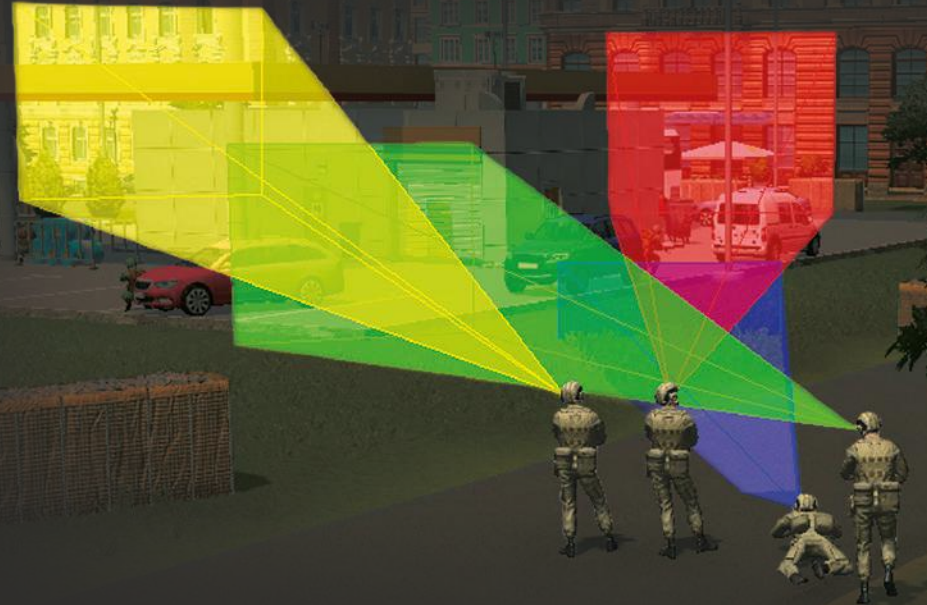
UNPARALLELED TECHNOLOGY

GUARD SIMULATION TECHNOLOGY

Guardiaris solutions are driven by the in-house developed GUARD™ simulation graphics engine. Advanced real-time data capture, simulation of true ballistics and AI generated forces offers diverse training possibilities in highly realistic environments. A powerful user-friendly training management interface allows fast scenario prototyping as well as full freedom of complex scenarios creation.

COMPREHENSIVE AFTER-ACTION REVIEW

The After-Action Review (AAR) ensures fast data collection, classification, and aggregation for comprehensive post-training analytics on individual or squad level. The AAR also provides insight into the trainee's first-person view, which includes tracking and visual feedback of all operating procedures executed during the exercise.





ALL-IN-ONE TRAINING PLATFORM

Guardiaris products aren't just standalone tools – they can form a larger training platform designed for complex tactical training by combining various simulators in a joint synthetic environment. Connect small arms, anti-tank weapons, military vehicles with remote weapon stations, and portable air defence systems in one tactical scenario.

Fully compatible indoor, outdoor, and mobile
Guardiaris' trainers:

- **SATT** - SMALL ARMS TACTICAL TRAINER
- **SAMT™** - SMALL ARMS MOBILE TRAINER
- **MMVT** - MODULAR MILITARY VEHICLE TRAINER
- **MATS** - MANPATS TRAINER
- **MAAT** - MANPADS AND AIRCREW TRAINER
- **IMOT** - INDOOR MORTAR CREW TRAINING
- **AFOT** - ARTILLERY FORWARD OBSERVER TRAINER



HLA INTEROPERABLE

Our simulators have an interoperability option, allowing seamless connections with external simulator systems.

GET IN TOUCH

Contact us for detailed IMOT technical specifications and customization possibilities.

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