ATGM Gunner Station

Anti-Tank Guided Missile Trainer

InVeris Training Solutions' Anti-Tank Guided Missile (ATGM) Trainer is fully compatible with the existing US Army Stryker fleet and Embedded Training system capabilities.

The ATGM Trainer simulates all functions of a live weapon station while providing for crew training practice and improvement of gunnery skills for Commander, Gunner and Driver stations. The position of the Loader is simulated for the purposes of training. InVeris' ATGM provides a realistic, synthetic 3D environment and state-of- the-art visual effects and sounds, enabling the crew to perform tasks, drills, and procedures while manipulating actual weapon hand controls and replicated weapon control interfaces

The ATGM comes pre-loaded with multiple terrain databases and a wide selection of targets, including enemy forces, friendly forces and civilians.

The multi-functional InVeris ATGM Trainer features:

- Replicated full behavior and operation of the Gunner Panel (GPA) and the Commander Panel (CPA) using a touchscreen interface and display, including:
  - All lamps and switches
  - Platform power, platform modes and stabilization
  - Fire Inhibit zones and deck clearance
  - Mast operations
  - Commander safety overrides

- Replicated behavior and operation of the Modified Improved Target Acquisition System (MITAS):
  - Power, menus and symbology
  - Target tracking and missile guidance
  - Various TOW missiles types

ATGM Detachment Commander Station

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- A realistic 3D simulated environment, providing multiple terrains and weather effects
- Large scale terrain databases (pageable terrains)
- Progressive training, ranging from beginner to expert, with courses for sustainment training
- Real time performance feedback to the gunner through tabulated and scoring data, providing mandatory progression to the next training level
- Pre-programmed and instructor initiated weapon malfunctions
- Simulated vehicle intercom system
- Full replay of the simulation in all visual channels
- Interconnectivity of multiple RWS trainers into a single simulation for DIS/HLA protocol collective training

The ATGM can be used without instructor supervision, allowing for greater flexibility in training management. Control of the training session can occur from a single station with all results recorded, and crews can progress at their own pace without continuous supervision. Training results and scores are maintained in the system database, accessible only by their respective crews and instructors.

An Instructor Operating Station or tablet is also available for supervision of multiple trainers participating in a single training session, and can create customized exercises and scenarios to meet specific training requirements. It has a user-friendly interface, permitting the operator to create advanced training scenarios with ease. The instructor-operator allows the users to:

- Choose the terrain
- Add targets and set their path and behavior
- Select the weapon type and ammunition inventory
- Set the environmental conditions and simulation parameter
- Insert pre-programmed failures
- Customize additional simulation parameters

The training system accommodates the loader station for full crew complement training. The loader station may be enhanced for a higher fidelity solution, allowing the loader to perform all necessary manual drills within the actual vehicle.

Additional trainer solutions are fully compatible with the US Army Stryker fleet, and the Embedded Training system includes the Remote Weapon Station (RWS) variant and the Mobile Gun System (MGS) variant.

Instructor's Tablet

ATGM Driver Station

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