GUARDIARIS

Train **The Brain.**

MMVT

MODULAR MILITARY VEHICLE TRAINER

- VEHICLE AND RWS AGNOSTIC
- FULLY CUSTOMIZABLE
- INTERIOR REPLICA
- FULLY IMMERSIVE
- ENVIRONMENTAL FEEDBACK
- DATA RECORDING

KEY FEATURES

- Realistic vehicle and remote weapon station simulation
- Fully customizable exact cabin replica
- Exact replica of battle management system
- 3DOF/6DOF motion platform for superb immersion
- Fully simulated weapon ballistics and vehicle dynamics
- Maximum interchangeable training combinations
- Scalable to multiple units training simultaneously within the same scenario
- Advanced analytics and accurate soldier behavior tracking capabilities
- Comprehensive 4D After-Action Review

EXACT CABIN REPLICAS FOR AUTHENTHIC TRAINING

Cabins are designed as exact replicas of a vehicle crew's working environment. Custom made according to specific customer demands, they can match the interior of any vehicle and remote weapon station. The controls and gauges are replicated in physical form and/or simulated on touch screens, depending on the customer's requirements.

MAXIMUM TRAINING COMBINATIONS

The MMVT functions as the driver-commander-gunner station interchangeably. All of the crew's operational procedures and commanding tasks are trained in the widest range of combinations.

FULLY IMMERSIVE TRAINING ENVIRONMENT

The cabin is mounted on a 3DOF/6DOF motion platform that realistically simulates dynamic vehicle movement with real-time vibration and changing of angles and inclinations. This haptic feedback radically improves the perception of driving on a multitude of terrains.

Highly innovative and fully customizable vehicle and remote weapon station training simulator.

NEW REALITY OF TRAINING REALISM

Training of all operating procedures, including driving skills, terrain observation, and tactical maneuvering in different combat scenarios. Seated in an enclosed, precisely replicated compartment, the driver, gunner, and/or commander are immersed in a real-life 360° synthetic environment. The cutting-edge GUARD™ simulation technology allows superb level interaction within the artificial reality.

EXTENSIVE ENVIRONMENTAL FEEDBACK

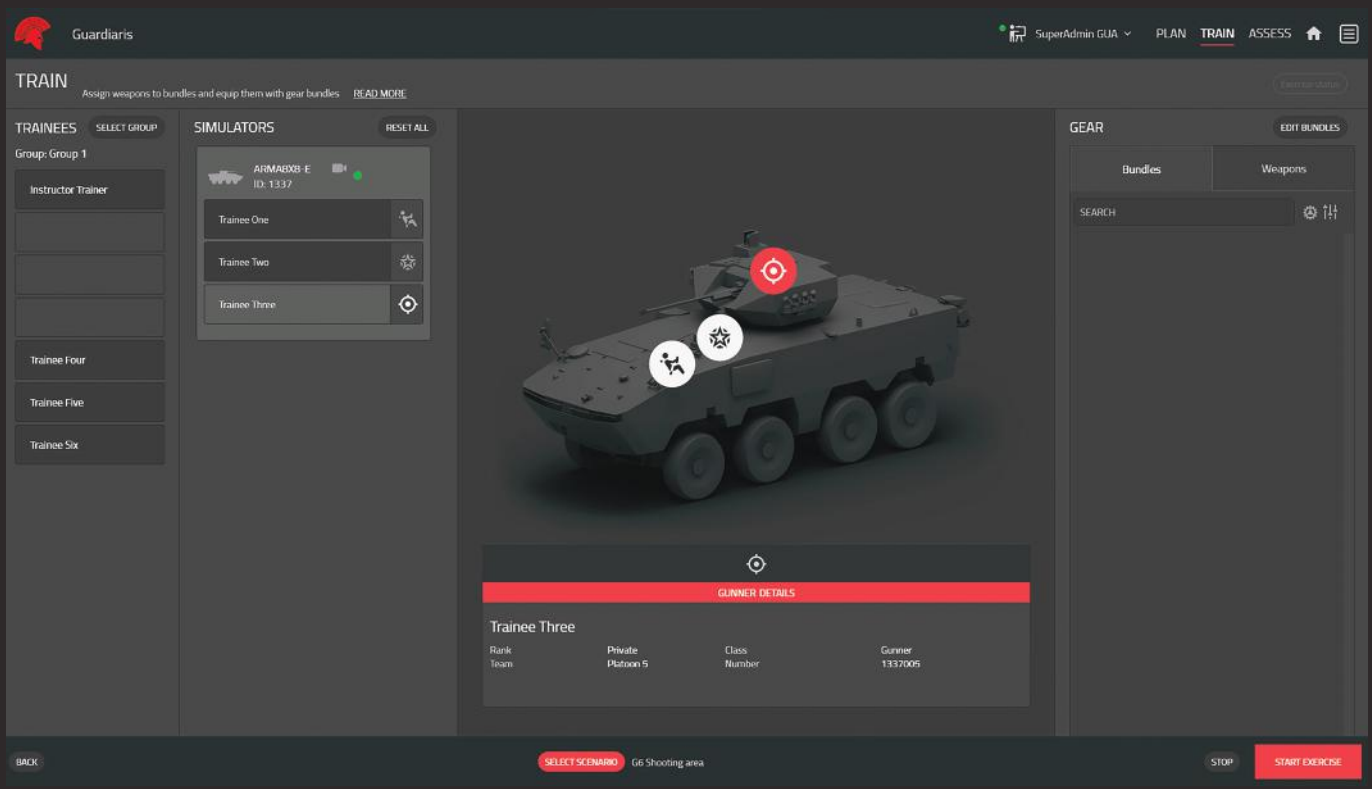
A proprietary graphics and physics engine enables adaptiveness to many different vehicle models, assets and other environmental requirements. The real vehicle-environments interactions can simulate grass, gravel, concrete, tarmac, mud, sand, and snow. The terrain can be customized according to the customer's requirements.

UNMATCHED TRAINING REALISM

A large database of environments and objects provides trainees with a highly immersive environment. Ballistics are calculated accurately for every weapon and projectile type, allowing soldiers to understand the equipment's capabilities and make the right decision about its usage.

ENVIRONMENT GAZE TRACKING SYSTEM

The gaze tracking system is the best-in-class exercise and progress overview tool based on the analytics of the soldier's sight. It enables eyetracking and monitoring the trainee's focus on controls, switches and environment. This information is one of the key biometrics measure-ment elements in evaluating soldier readiness.



UNIQUE 4D AFTER ACTION REVIEW

After-Action Review's specially designed software ensures fast data collection, filtering and aggregation for comprehensive analysis. The AAR also provides insight into the soldier's first-person view, which includes visual feedback of weapon manipulation and tracking of all operations executed during the exercise.

GUARD SIMULATION TECHNOLOGY

Guardiaris solutions are driven by the proprietary GUARD™ image generator. Advanced real-time data capture, AI and simulation of true ballistics offers diverse training possibilities in highly realistic environment.
A very powerful user-friendly interface allows fast prototyping as well as complete freedom in creating complex scenarios.

GET IN TOUCH

Contact us for detailed MMVT technical specs and customization possibilities.

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ISO 9001 BUREAU VERITAS Certification

AQAP 2110 BUREAU VERITAS Certification

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