# GUARDIARIS
Train **The Brain.**

# SAMT

LASERLESS

SMALL ARMS &
LIGHT WEAPONS

ANTI-TANK
WEAPONS

MARKSMANSHIP
TACTICAL

MOBILE

# GUARDIARIS TECHNOLOGY

## PATENTED SAS MODULE

Laserless SAS module gathers real-time precise information on weapon movement in 6 DoF, shooter behaviour, exact trigger, and shot times. Data is instantly available for quantitative analysis and personalization of training.

**LASERLESS**

**WEAPOIN AGNOSTIC**

**FREEDOM OF MOVEMENT**

**REAL-TIME PERFORMANCE MONITORING**

**4D AAR**

SAMT is the first-ever laserless and scalable indoor trainer for diverse marksmanship and tactical training. Multiple training squads can simultaneously work at different locations in the same scenario, enabling brand new constellations of training for significant enhancement of troop readiness.

### ADAPTIVE SOLUTION FOR ANY WEAPON

Mounted on the Picatinny rail of any modified real weapon, weapon replica, or installed inside a weapon replica, the SAS module ensures any weapon type can be used in the SAMT.

### FULL FREEDOM OF MOVEMENT

The SAS module allows uninhibited motion and full freedom of movement within the whole training area. No additional gear is needed, assuring training under realistic, optimal conditions.
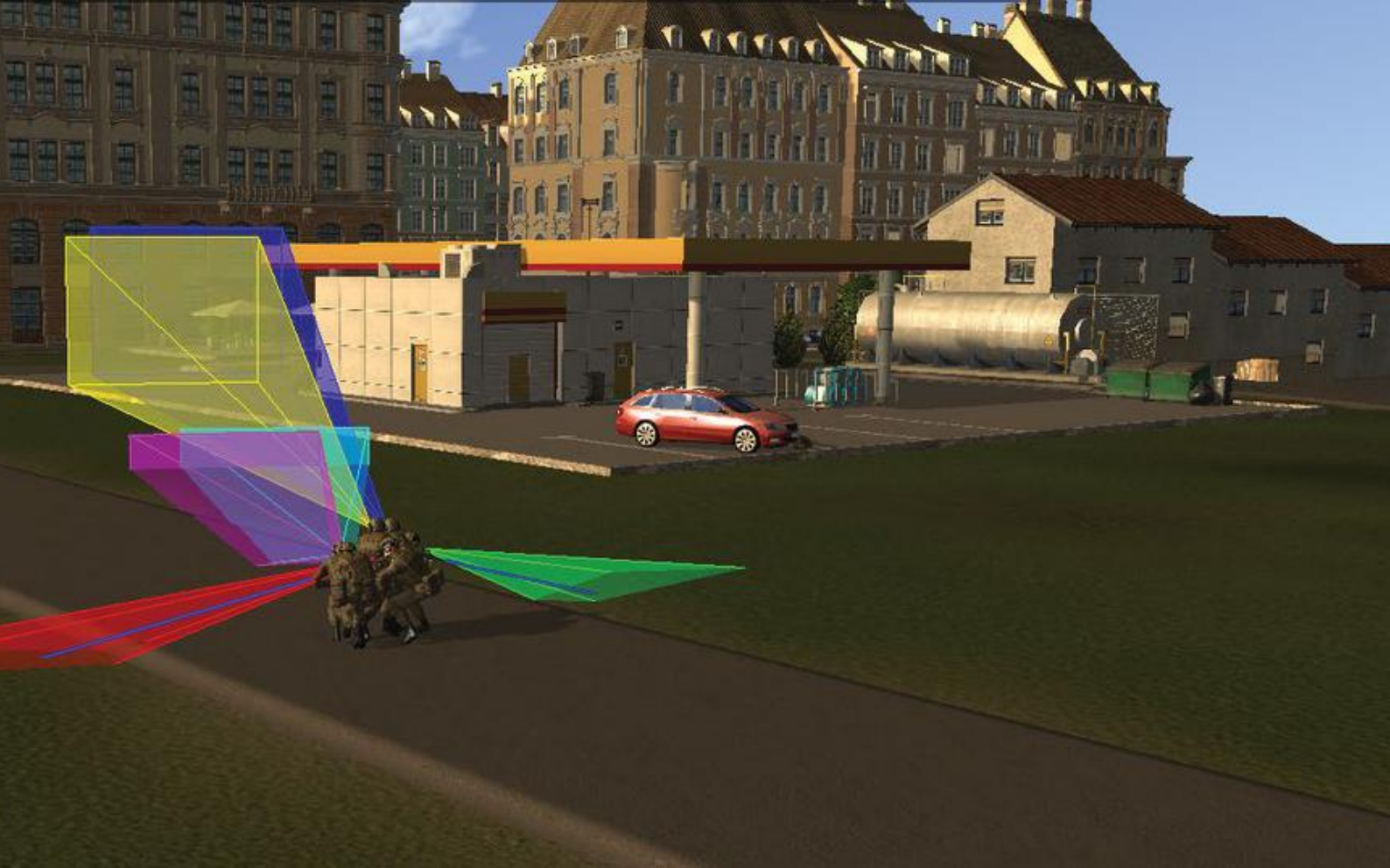
### PERFORMANCE MONITORING

Instructors can monitor soldiers' performance in real-time and provide feedback even during an exercise. Searchable database enables fast data collection, event filtering and aggregation for comprehensive analytics and After-Action Review (AAR).

SAMT– Small Arms Mobile Trainer

# UNIQUE 4D AFTER-ACTION REVIEW

After-Action Review (AAR) collects actionable event data in real-time and interprets them for comprehensive post action analytics.

### DEEP DIVE

Instructor can continuously monitor performance of individual trainee or squad level, calculating and displaying deep-dive performance indicators. Difficulty levels of training can be adapted and personalized to individual trainee.
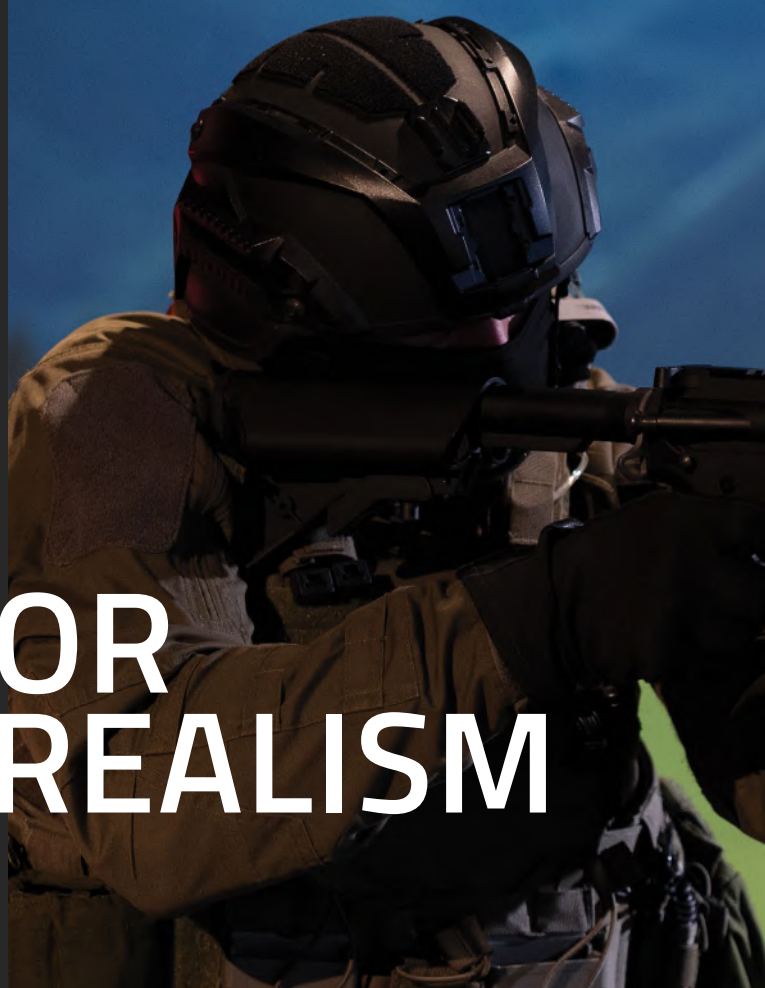
### 4D REPLAY

After-Action Review (AAR) records the training and enables its state-of-the-art 4D replay. User can change viewpoint for 3D analytics session and observe situations from different vantage points throughout the battlefield space and time. Replay can be speed adjusted (slower, faster), or fast-forwarded to a specific event in the training timeframe.

# GUARD™ FOR TRAINING REALISM

## EXACT BALLISTICS

Guardiaris solutions are driven by our own GUARD™ game engine. Advanced real-time data capture, AI and accurately calculated ballistics for every weapon and projectile type.

## 3D SIMULATED REALISM

GUARD™ features extremely fast real-world terrain data integration. Any standardized digital terrain data (Digital Elevation Models - DEM) can be used, resulting in highly realistic synthetic environment replica. Mission-specific training can therefore be performed within a purposefully constructed synthetic environment.

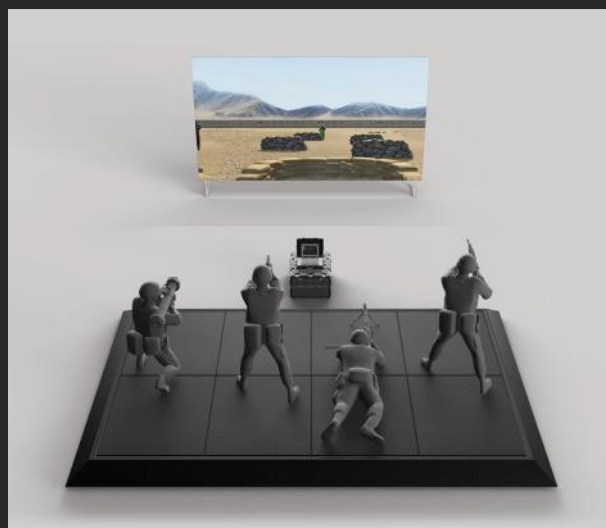## BEYOND SYNTHETIC ENVIRONMENT

GUARD™ powered synthetic environment is incredibly realistic and dynamic. Built-in Artificial Intelligence (AI) allows OPFOR units to adapt to the environment (hide, lay down, run, etc.). Moreover, destruction models of assets take into consideration different material types and their interaction with the different bullet types, their ability to penetrate and cause damage.

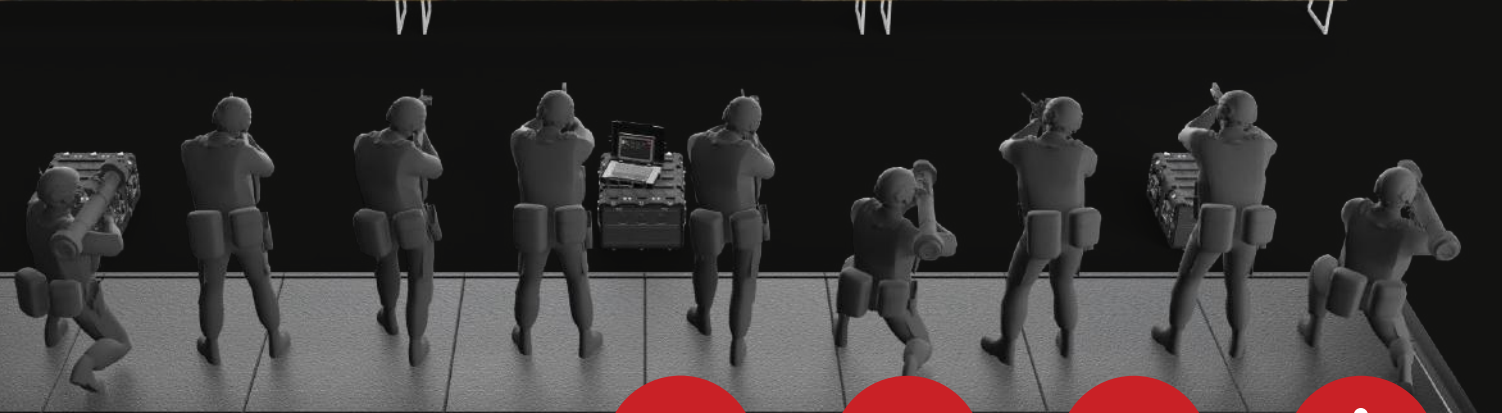# HARDWARE FOR HIGHLY IMMERSIVE SOLUTIONS

## PROJECTION AREA

Modular and scalable construction offers many configuration options.

All configurations preserve the notion of a single simulation scenario for tactical training with multi weapon types.

**QUICK SETUP**

**RUGGED PACKAGE**

**HLA INTEROPERABILITY**

**MODULAR & SCALABLE**

## SURROUND SOUND

SAMT enables high fidelity visual and aural feedback corresponding the training scenario. Immersed in this environment, soldiers experience unmatched realism before entering combat.

## CONTROL STATION

The control station is a server and the main computing point. It is preinstalled in GUARD™ simulation software and highly versatile GUARD™ Control Panel (GCP) software. It ensures exercise planning, implementation and evaluation, instruction-soldier communication, and comprehensive After-Action Review.

## SCENARIO EDITOR

A very powerful user-friendly interface allows complete freedom in fast creating of complex scenarios. Interactions can be pre-programmed or automatically controlled by the AI, weather and time-of-day can be changed at any point during the exercise.

## STRAIGHT FORWARD SETUP

SAMT module is packed in rugged cases and facilitates training on the go. As building blocks, cases contain parts of the system with quick and easy self-installation. SAMT can transform each facility room into the military training site.

# SMART
# INTEGRATION

SATT integrates with other Guardiaris' Trainers (Combat Vehicle, RWS, Mortar and other support weapons, Forward Observer), forming a highly realistic and complex training environment.

### MORTAR TRAINER

A smart combination of exact mortar replicas and synthetic environments allows this unique portable indoor trainer to provide cost-effective, highly realistic mortar crew training in tactics, communication, and handling procedures.

### FORWARD OBSERVER TRAINER

The Forward Observer Trainer is the smartest indoor portable trainer for training artillery forward observers in infantry units, designed for interactive training in target detection, calling in and adjusting fire.

### MMVT TRAINER

The Multipurpose Military Vehicle Trainer is a modular simulator for remote weapon station and gunner, driver, commander, or entire vehicle training crew.

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## GET IN TOUCH

Contact us for a detailed technical description and order your tailored SAMT solution.

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