

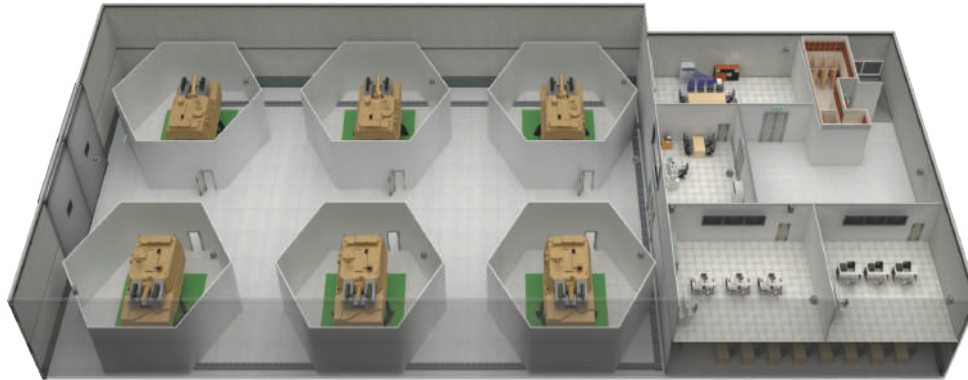


SIMNET
Simulation & Network

The Leading Company in Defense Modeling and Simulation

Artillery Tactical Training Simulator

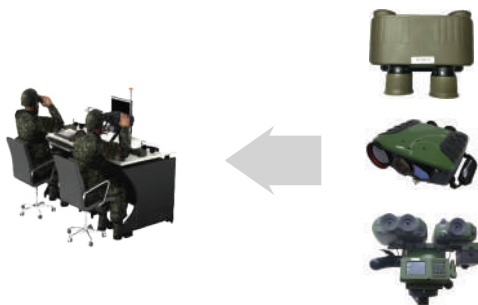
- ◆ Provides a variety of training environments, from artillery unit specialty individual training to battalion-level tactical training



- Consists of 6 SPH simulators, 3 Observation Teams, 3 Fire Direction Center, Lecture room, Instructor room, and Equipment room.
- Provides various trainings, such as Individual, Unit, Comprehensive, and Battalion tactical training.

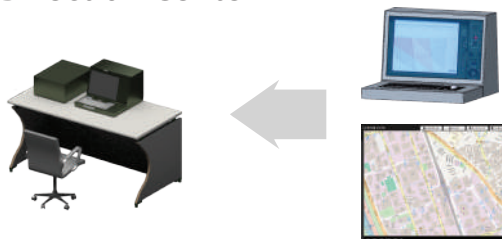
◆ System specifications and characteristics

● Observation Team



- Simulates Binoculars, Multi-function observation scope and TAS-1K
- Configuring a battlefield environment that allows observation training in a virtual environment
- Provides counter force observation and fire guidance functions

● Fire Direction Center



- Fire Direction Center simulation equipment
- Providing target information management, firepower planning and fire command functions

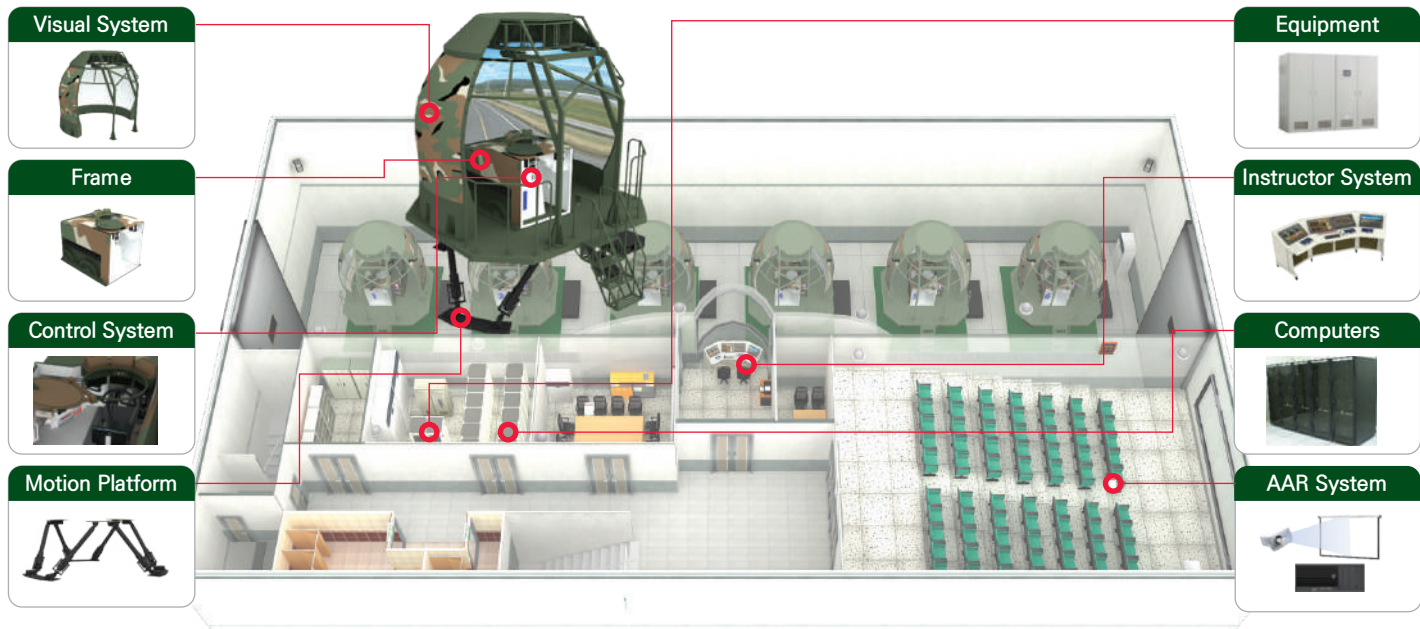
● SPH Simulator



- Simulated turret equipment and driver's seat identical to the K9 self-propelled howitzer
- Provides the same control and firing procedures as the K9 self-propelled howitzer
- Provides projectile ejection and transport capabilities after firing
- External screen provides 360 degree horizontal viewing angle
- 6 degree of freedom actuator application

SPH Driver Training Simulator

- ◆ Providing a specialized training environment for training K9 self-propelled howitzers and K10 ammunition resupply vehicle



- Consists of 6 sets of main simulator, lecture room, instructor control room and equipment room
- Individual training according to ability level such as basic operation, applied operation, etc., artillery training and tactical movement training are possible.

◆ System specifications and characteristics

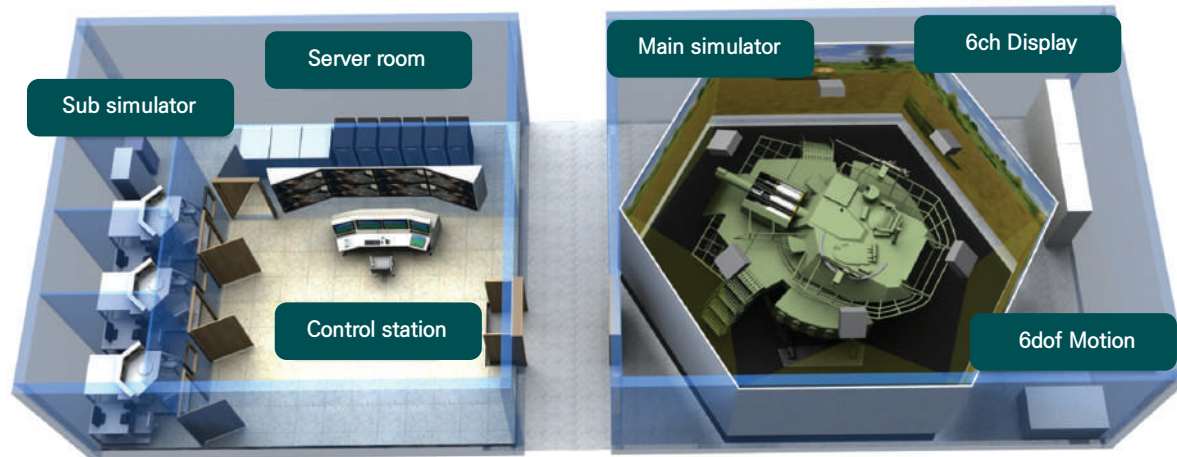


- A cockpit simulation that matches the K9 SPH
- Provides the same control procedure as the K9 SPH
- Provides contingency training functions and evaluation functions for issuing driver's licenses
- Providing courseware and monitoring functions for real vehicle linkage training
- 5ch hemispherical dome screen application (field of view 210°x60°)
- 6DOF Motion Platform (3.5t electric)
- Dimensions (WxHxD) 4,290x5,186x5,248mm



MBT Gunnery Training Simulator

- ◆ Provides K-series Tank Gunner, Commander, and Loader Teamwork Training and Specialty Training Functions



- Consists of 1 Main simulator, 3 Sub simulators, training standby room, instructor control room, and equipment room.
- Provides various trainings, such as Basic, Special, Platoon tactical, and Company tactical training (if linked)

◆ System specifications and characteristics

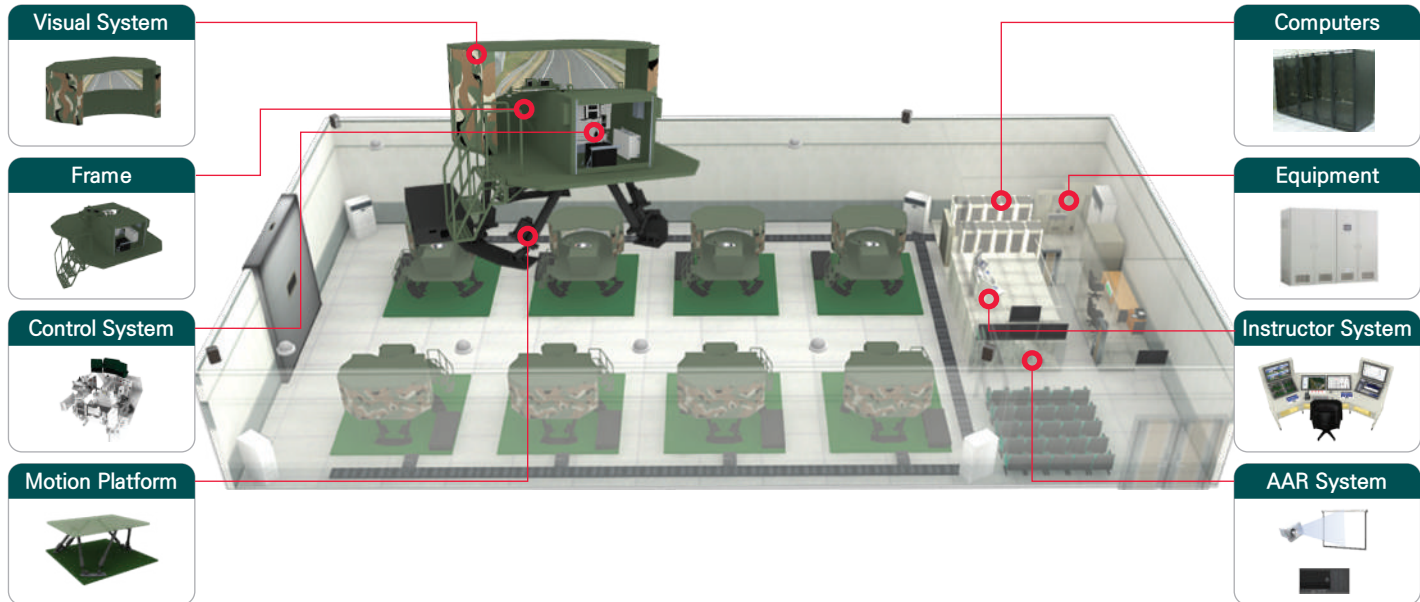


- K1E1, K1A1, K1A2 tank turret interior simulation
- Provides the same firing procedure as the K series tanks
- Two-way training is possible by linking the Main and Sub simulators.
- Provides linkage function for up to 48 Main and Sub simulators
- Provides 360° turret rotation function
- 6ch flat screen application (field of view 360°x33°)
- 6DOF Motion Platform (3.5t electric)
- Dimensions (WxHxD) 5,310x2,813x3,768mm



MBT Driver Training Simulator

◆ Providing a specialized training environment for K1A1 tank driver training



- Consists of 8 main simulators, lecture room, instructor control room and equipment room
- Individual training according to proficiency level, such as basic operation and applied operation, as well as platoon training and tactical maneuver training are available.

◆ System specifications and characteristics

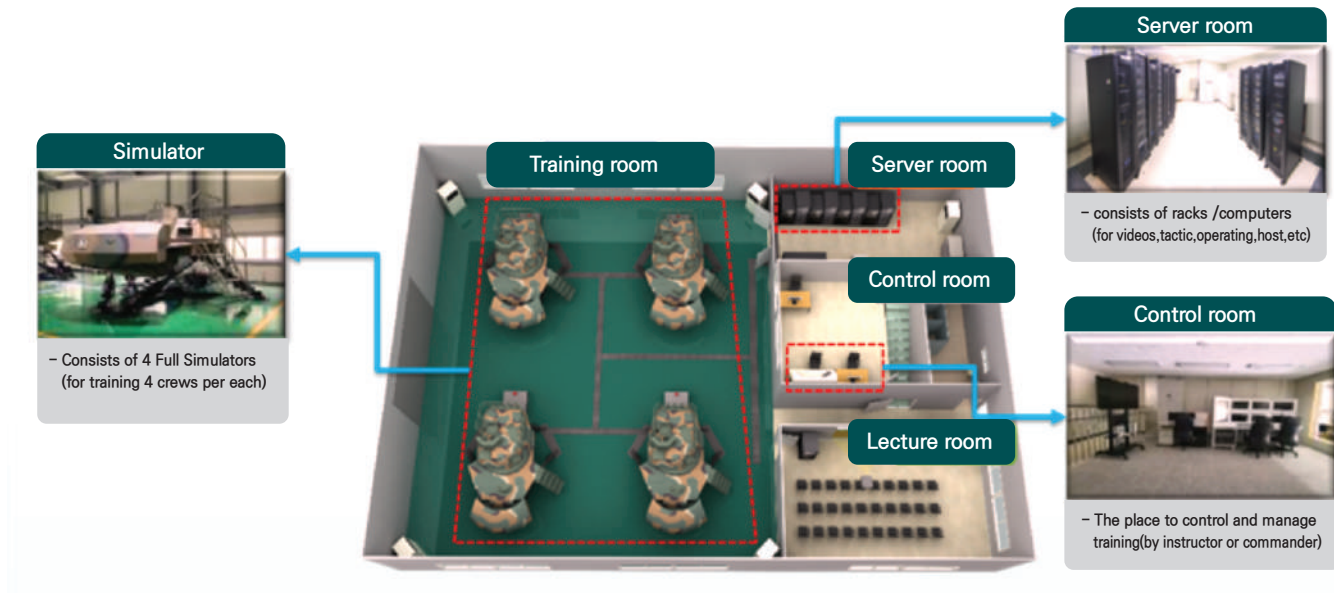


- Simulated driver's seat similar to that of the K1A1 tank
- Provides the same control procedure as the K1A1 tank
- Provides narrow road, distance between vehicles, rollover scenarios, etc.
- Providing courseware and monitoring functions for real-vehicle-related training
- 3ch cylinder screen application (field of view 120°x30°)
- 6DOF Motion Platform (1.5t electric)
- Dimensions (WxHxD) 3,160x3,070x3,610mm



Tank Multi Purpose Simulator

- ◆ Provides K-series platoon training and company command training functions

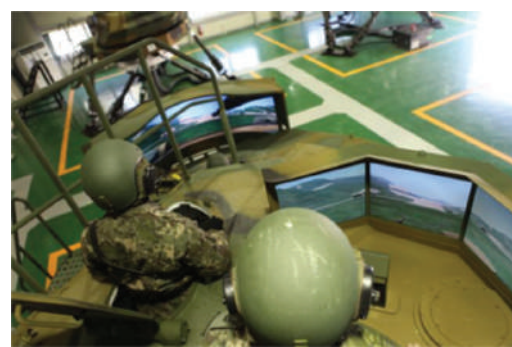


- Consists of 4 main Simulators, instructor control room, lecture room, and equipment room.
- Step training > Platoon tactical training > Company command training(CFX) available

◆ System specifications and characteristics

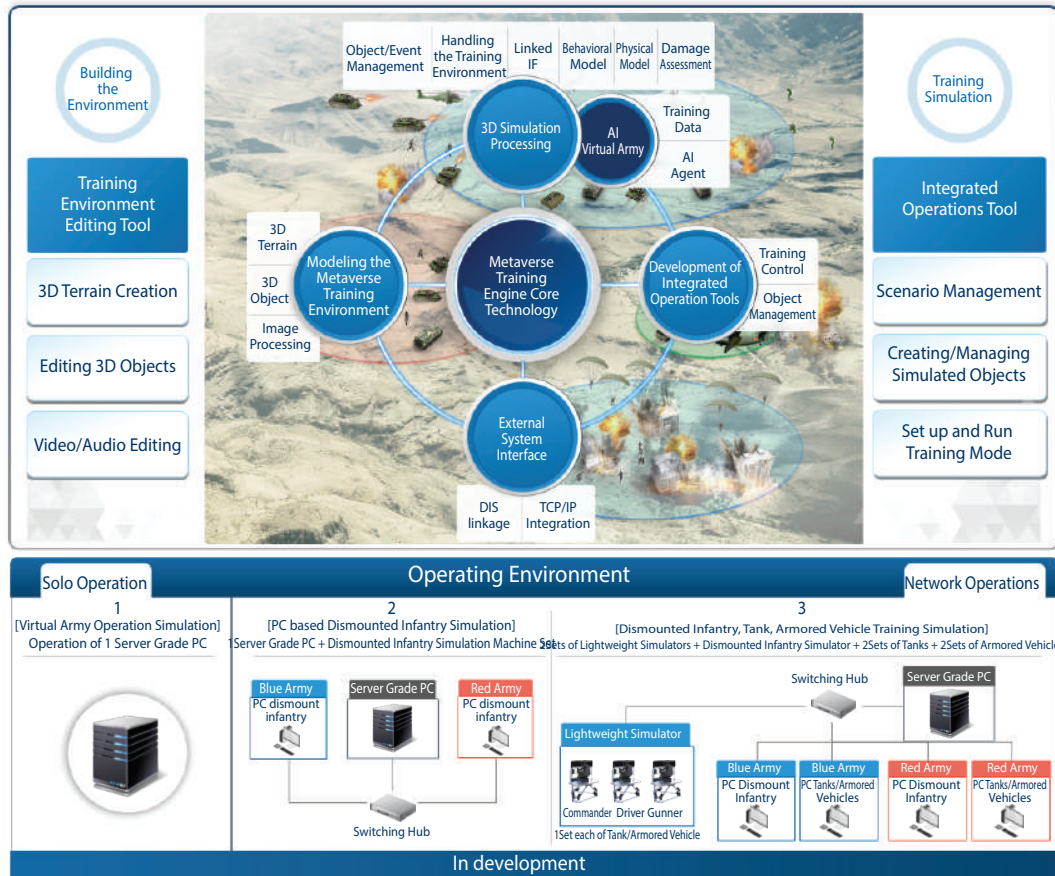


- K1, K1E1, K1A1, K1A2 tank driver's seat, turret interior simulation
- Provides the same control and firing procedures as the K series tanks
- One-way and Two-way training available
- Provides turret $\pm 225^\circ$ rotation function
- Provides external view for driver and commander (field of view $120^\circ \times 30^\circ$)
- 6DOF Motion Platform (3.5t electric)
- Dimensions (WxHxD) 5,270x3,690x5,660mm



ESTE Products as a Platform of STE

◆ Development of ESTE products that allows training under a synthetic training environment



- Unreal Engine 5-based simulation engine, training environment editing tool, integrated operation tool, external system interworking, AI automated forces operation possible
- Processing capability for individual training to battalion level tactical training with AI forces

◆ ESTE Product list

Product name	Full form
ESTE-Core	Extended Synthetic Training Environment Core
ESTE-CTRL	Extended Synthetic Training Environment Control & Integration Tool
ESTE-Land	Extended Synthetic Training Environment Land
ESTE-Land: Armor	Extended Synthetic Training Environment Land: Armor
ESTE-Land: Infantry	Extended Synthetic Training Environment Land: Infantry
ESTE-Navy	Extended Synthetic Training Environment Navy
ESTE-Air	Extended Synthetic Training Environment Air
ESTE-Link	Extended Synthetic Training Environment Link
ESTE-AI	Extended Synthetic Training Environment AI

◆ Since its establishment in 1999, SIMNET has specialized in simulators and has provided various training solutions with over 25 years of experience in the field of simulation and training systems

- Computer based training and Live/Virtual Simulation/Constructive Simulation (LVC) training systems
- Extensive expertise from active and retired professionals for a complete training solution

◆ SIMNET continues to grow based on trust with customers

- SIMNET business is expanding with new technologies, quality and timely delivery

◆ SIMNET ensures through life support

- In addition to maintaining the operation of the delivered simulator, we actively respond to future customer requirements, such as performance improvement and linkage with other simulators.

Quality Certification

- ▶ Capability Maturity Model Integration for Development (Level 4) ('24.3)
- ▶ Defense Quality Management Systems ('24.10)
- ▶ ISO 9001: 2015 Modeling & Simulation/Simulator ('24.10)

Business Areas

Simulator

- ▶ Tank Multi Purpose Simulator
- ▶ MBT Gunnery Training Simulator
- ▶ MBT Driver Training Simulator
- ▶ SPH Driver Training Simulator
- ▶ APC Driver Training Simulator
- ▶ Joint Fire Training Simulator

Constructive simulation

- ▶ Brigade Training System(SNT-B™)
- ▶ Division/Corps Training System(SNT-DC™)
- ▶ Joint Level Training System(SNT-J™)
- ▶ Analysis System for Infantry Division(SNA-D™)
- ▶ Analysis System for Aviation Force(SNA-AV™)
- ▶ Analysis System for Synthetic Warfare (SNA-SW™)

R&D

- ▶ Synthetic Battlefield Environment based Integrated Combat Training Platform
- ▶ Metaverse Training Engine for the Scientific Training Environment Framework
- ▶ Artillery Tactical Training Simulator