

Team Leader Simulator (VTS)

The simulator of dismounted infantry - Team Leader Simulator (TLS) is designed for the tactics training.

TLS is the simulator of the "Virtual Tactical Simulator (VTS)" category and it is a part of a Modular tactics training system (MTTS).

TLS is designed for the dismounted infantry commander training or training of the squad individuals.

Another option is to expand training by the simulated infantry (military or semi-military groups, terrorists etc.).

Training focus:

Training is focused on the tactical skills, co-operation and communication of the dismounted infantry commander with the superior level or among the unit.

Training options:

TLS is controlled by one operator and it supports the infantry commander training in the platoon, company and task force environment. The other option, is to use TLS by the exercise director as a enemy or a neutral force.

- dismounted commander - individual mode - enables simulation of one person
- dismounted infantry - a squad mode - is used for infantry commander

Developed skills:

- tactical skills
- co-operation and communication in the platoon, company and task force
- improvement in command and control

Key benefits

- Cost effective tactics training solution
- High performance - TLS support the large exercises
- Easy expandability by adding to infantry the new capabilities and equipment
- Comprehensive system of tools for the exercise management and evaluation
- Functional effectiveness - simulation of properties and functions important for the tactics training
- Intuitive control - supported Artificial Intelligence elements
- Scenarios management support
- DIS standard compliance



Technical description

TLS is designed as the modular system that as much as possible uses off-the-shelf hardware.

Contents

- Commander workplace
- Simulation unit
- Image generator
- Back-up power supply
- Communication system

Workplaces equipment

Commander workplace

- joystick and keyboard (movement control and command entry)
- LCD monitor for the simulated environment view with information about the unit member status
- headset
- loudspeakers

Technical parameters

Software

- platform: PC
- operating system: Microsoft Windows XP and higher
- environment: .NET Framework
- uses DirectX 9.0c
- simulation core properties - based on RVS technology
 - advanced Artificial Intelligence with the exactly defined behaviour
 - target searching and selection
 - obstacles overcoming
 - optimal route searching
 - rules of engagement control
 - reaction on fire
 - attitudes
 - formation
 - detailed information about activity
- automatic or full manual control
- tracking of individuals, teams or groups
- various roles of individual infantry members
- configurable of each infantry members
- mounting and dismounting vehicles
- manipulation with injured, hand over weapons and ammunition



Dimensions (height x width x depth)

- rack: 1.75 x 0.8 x 0.8 m
- construction: 1.43 x 0.1 x 1.1 m

Weight:

- rack: 197 kg
- construction: 120 kg

Hardware

- power supply: 230V 50Hz
- input: 2.5kW

Standards support

- HLA (IEEE 1516) protocol
- DIS (IEEE 1278) protocol