A WAR GAME SIMULATION WITH EASY-TO-USE TOUCHSCREEN CONTROL SUPPORT ON A 3D PLATFORM

Tactical Simulation Attributes
• Extendable infrastructure
• New model and behavior support
• AI behavioural support
• 100+ user support
• 1000 objects (border security, land, air and sea support)
• Limitless scenario creation capability
• 2D map and 3D simulation support
• Touchscreen control support

Mission Space
• Transition/Displacement
• Discovery and surveillance
• Artillery fire support
• Detection/Recognition
• Air defence
• Mine detection and removal
• Logistic support
• Classic war capability with respect to border security
WAR GAME SIMULATION

MODELS SUPPORTED IN THE SIMULATION

Vehicles
- Land
- Tracked
- Wheeled
- Sea
- Boats
- Submarine
- Hovercraft
- Air
- Aircraft
- Helicopter
- UAV

Sensors
- Radar
- Thermal
- Laser
- Binoculars/Periscope
- Night vision apparatus
- Eyes
- Camera
- Laser alert receiver
- Thermal vision system
- Mine detector

Live Entities
- Soldier
- Refugee
- Desenter
- Smugger
- Terrorist
- Animal

Communication System
- Wired
- Wireless
- Satellite
- Under water

Weaponary
- Infantry weaponry
- Infantry shotgun
- Machine gun
- Pistol
- Machine pistol
- Rocket launcher
- Bomb launcher
- Hand grenade
- Artiller
- Canon
- Howitzer
- Anti-aircraft
- MBRL
- Guided missile
- Mine
- Torpedo

Simulation Scenarios
- Border security
- Scenarios where smugglers or refugees violate borders
- Scenarios with armed smugglers on horseback
- Scenarios with refugees with artillery
- Riverside scenarios
- Seaside scenarios
- Fire scenarios
- Classic war scenarios
- Scenarios where infantry and tank units support border security
- Effective ring support (cannon, MBRL/BM21) scenarios
- Fortification (mine) scenarios

Simulation Software
- Scenario management software
- New model creation interface
- Terrain creation interface
- Military units creation interface
- Symbols creation interface
- Scenario running and recording management
- 2D animation
- Assessment and evaluation
- Briefing and reporting
WAR GAME SIMULATION

3D Visualisation
- Multi-Channel visualization
- Large area visualization (up to 100*100 km)
- Weather effects
- Dynamic shadows and lighting

Model Creation Tool
- New type model creation
- Changing model attributes
- Model tree organisation
- Sensor models
- Static entity models
- Communication models
- Weapon models
- Ammunition models

Scenario Running
- Simultaneous scenario running for up 100+ users
- Running models on distributed servers
- Optional HLA support
- Scenario recording
- Analysis tools

Scenario Creation Tools
- Virtual environment border determination
- Static entities creation
- Rivers, roads, etc.
- Symbols creation
- Units and advancement denition
- Platform placement
- Time-based event denitions

Scenario Management Software
- 2D map and 3D simulation control
- Multiple cameras support
- Object control
- Changing weather conditions
- Simulation control

Artificial Intelligence Capabilities
- Behaviour capabilities
  - Command control
  - Path finding algorithms
  - Script-based control

GIS Capabilities
- Map and layer management
- Symbol visualization
- Measurement and analysis
- Filtering and appearance settings