

Ground Combat Training Systems

Solutions for Ground Combat Tactics & Reconnaissance Training



e.sigma Ground Combat Training Systems are complex simulation systems for crew training of army combat engagement skills including reconnaissance patrols.

Operational Benefits

- Stationary or mobile container solutions
- Integrated command, analysis and control station with comprehensive instructor tools for complete mission training control
- Innovative operating concepts for sophisticated simulation challenges
- Dynamic training with recent communication equipment and simulated malfunctions
- Individual, crew and combined arms training
- Specific gunnery training
- Mounted and dismounted operations
- Comprehensive exercise library with a wide range of training scenarios e.g. MOUT, UAV employment, joint fires, situational awareness and contact drills
- Event driven scenario control and multiple role capability
- Geo-specific and geo-typical training environment
- Rich databases with urban structures and dynamic terrain simulation
- Real-time communication with operational radios
- Employment and operational use of UAV
- Easy integration of new reconnaissance assets (remote controlled UAVs, mobile robot vehicles etc.)
- Open design and HLA interface for future integration of additional simulation systems
- Capable of being integrated into larger training systems for joint operation tactical fire support

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Technical Features

Realistic training

- High-resolution visualization system for realistic training experience
- Real-time visualization of geo-specific operational areas
- Comprehensive databases with realistic scenarios
- Multichannel projection and visualization systems
- Observation and reconnaissance equipment with day-sight and infrared vision
- Virtual-Reality-Goggles for an extended driver's view
- Mobile, wireless vision equipment with integrated orientation sensors
- Independent sound simulation

State-of-the-art training equipment

- Direct voice communication between instructor and training participants
- Training progress management with video surveillance system
- Real-time exercise control with intermediate analysis
- Extensive evaluation capability of all events
- Outstanding ergonomics for comfortable working

System meets future requirements

- High degree of mobility through container solution
- Longevity guaranteed by rugged design
- Extended E-Learning based on standardized learning-platform

