Company Profile

VR Group is a leading Czech supplier of complex solutions for armed and security forces training. The main part of its production is oriented to training needs of the Army of the Czech Republic.

VR Group experts develop original Czech solutions and state-of-the-art products based on current modern technologies and VR Group own development potential.

The quality of simulators and training devices development, delivery and corresponding services is guaranteed by using a quality control system according to ISO 9001:2000 standard approved by the Lloyd's Register Quality Assurance and AQAP 110 approved by DSCGQAA.

VR Group holds certificate on the process of catalogue data propositions approved by Úř OSK SOJ (#5).

VR Group is a holder of the National Security Authority certificate in accordance with the Act No. 148/1998 Col. that allows to VR Group employees to get familiar and work with classified information up to the confidential level.

VR Group delivers simulation systems of the Alligator Simulation Systems trademark since 2003.

The VR Group Offer

System Integration of Building up of Simulation Centers
Building up of simulation centers infrastructure including links to other customer infrastructure and associated services. The integration includes project preparation, available technology analysis and assessment, necessary legislative administration and approvals, subcontractors selections, resident engineering and consulting engineer supervision.

Constructive Simulation Systems
VR Group introduces and customizes constructive simulation systems for commanders and their staff training in the subject of war operations or operations other than war including staff training and exercise technical support.

Reconfigurable Tactical Virtual Simulators of Type II (VS II)

VR Group develops and produces reconfigurable tactical simulators based on the PC platform for collective training of small units and vehicle commanders. Completed configurations of VS II simulators allow a tactical training of tank units of T-72 or T-72 M4CZ, mechanized units of BMP-2 (w/DI) including a simulation of dismounted commanders and dismounted infantry squads.

Virtual Simulators of Type I (VS I)

VR Group develops and produces simulators based on the PC platform for training of individuals and crews. Virtual simulators of type I are designed for an individual and crew training. This type of simulators could operate either in an autonomous mode for an individual or crew training or in a tactical training mode interconnected with constructive simulation systems using the DIS protocol.

Virtual Simulation Devices

VR Group supplies hardware devices and software products for composition of observer posts of commanders and their staff and simulated 3-D views of battlefield (STEALTH) as an exercise director tool.

Computer Generated Forces Systems

VR Group supplies, customizes, develops and delivers systems for computer generated forces (automated or semi-automated forces) that could be used for ground or aircraft simulation applications according to customer requirements including staff training and technical support.

Digital Terrain Databases

VR Group develops digital terrain databases for constructive and virtual simulation applications that are based on the National Topographic Data of the Army of the Czech Republic or other suitable sources. Our offer covers digital terrain databases in following formats: CTDB – ModSAF/OTB, OpenFlight, mdx – MetaVR.

An After Action Review (AAR) Tools

VR Group analyses and designs sets of systems for an exercise preparation, execution and AAR according to customer requirements including their entire installation.

Simulation Centers Interconnection

VR Group designs and installs an interconnection of simulation training facilities and centers up to 2 Mbit/s throughput. The interconnection creates a WAN among remote simulation applications so that a distributed exercise could be executed using DIS compatible simulation applications.

Simulation Applications Interconnection via a DIS or HLA

VR Group designs and installs interconnections of simulation applications that assures an interoperability among various means of virtual, constructive and live simulation used in simulation centers and facilities with usage of DIS or HLA standardized protocol.

Training and Exercise Support

Technical support and assistance at training preparation, execution and evaluation at training centers and facilities utilizing constructive, virtual and live simulation.

Distance Learning

VR Group designs, develops and installs tools for distance learning mainly for non-acredited study forms and whole-life education support.

Systems for Communication Means Simulation and Time Synchronization

VR Group designs, delivers and installs complex systems for staff, crew and individual communication simulation that use digital communication systems based on the DIS protocol or digital phone switch centers. VR Group designs, delivers and installs central time control and synchronization systems.

Process of Catalogue Data Propositions

VR Group offers a process of catalogue data propositions for Czech Army contractors in accordance with the Act No. 309/2000 Col.