

Vehicle based CTC



Instantly deployable – anywhere!

Terrorism, IED attacks, guerrilla warfare – CTC-training is one of the most effective means to prepare for the threats of today's asymmetric conflicts.

RUAG's mission is to provide high-fidelity training systems that enable highly customized training experiences in different environments and terrains. RUAG Simulation & Training offers a new range of deployable CTCs. There are two products in the deployable CTC product line: Field CTC and Vehicle based CTC.

- Field CTC and Vehicle based CTC are specifically designed for
- Internalizing standard situations and unexpected events in different environments
 - Decreasing reaction times and better judging of situations
 - Achieving correct response under stress, correct decision-making and compliance with the rules of engagement

Challenge

One of the key requirements for exercising unexpected events is the fast generation of different situations with high accuracy and in specific environments.



Solution

Vehicle based CTC is a vehicle-based, deployable CTC. The system's main modules (EXCON and After Action Review) are both mounted on a full-size pickup truck. The training area can be increased, by adding additional antenna trucks.

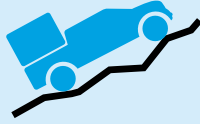
After choosing the optimal terrain, the Vehicle based CTC is set up in 10 minutes.

Vehicle based CTC is highly scalable and provides a wide range of training possibilities including soldier, weapon and vehicle simulators and instrumented buildings (mobile MOUT).

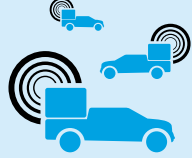
- Fully equipped workplace in shelter (air con)
- 2 operator stations
- AAR tent
- Scale the terrain with more antenna on vehicle
 - 5-10-15-20 or more km
 - Offline coverage range unlimited
- Number of participants: company



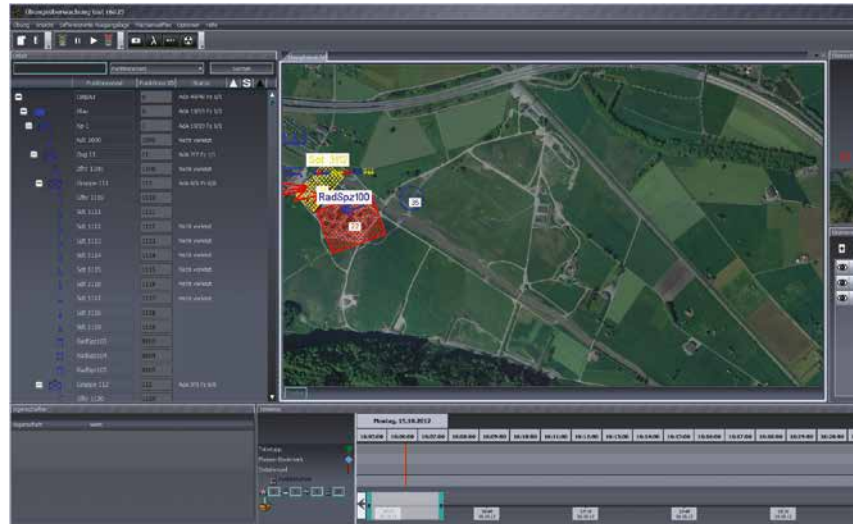
Instantly deployable
Ready-to-use
in 10 minutes!



Highly mobile
Station the vehicle based
CTC wherever you need it!



Easy scalable
Add as many repeaters
as you need!



Mobile EXCON

Exercise creation:	Easy preparation: Offline Planning (ORBAT) based on excel. You can prepare your exercises at home on any laptop.
Exercise creation:	Quick import of map material for terrain: jpg, google screenshot, proprietary maps
Exercise launch:	One click exercise launch
Exercise launch:	Reuse multiple time the same prepared exercise
Exercise monitoring (online):	Online Exercise Monitoring
Exercise monitoring (offline):	Offline function basic: run an exercise without antenna. Soldiers are training, soldiers come back, read the body harness logs and display the exercise in replay.
Offline function:	When participants are going out of range (>5km), you can read the body harness afterward and do a replay with full information (position and status).
Exercise monitoring:	Bookmark for quick reference on important exercise phase. Accessible during exercise and during replay.

Mobile FT

Lightweight portable antenna system to connect the simulators to the portable laptop.
The Mobile FT can be powered by an external 12V DC battery, photovoltaic cells, or mains.
The frequencies as well as the output power can be adapted according to the local regulations and depending on the costumers needs.
Located by positioning system GPS
Establishment of the radio communication between simulation equipment in the open field (e.g Personal Equipment, Weapons, Vehicles) and the Mobile EXCON (Exercise Control Center).