



Tactical Video-conference Vehicle

System Type: Vehicular Video-conference System

Customer: Kongsberg

End User: Romania MoD

Interactive Role: Subcontractor

Project timeframe: 2006



The vehicular video-conference system is part of the MOD encrypted VTC system providing data, voice and video communications, between two or more subscribers in the battlefield.

The vehicle is equipped with wireless equipment providing a minimum of 1 Mbps between two vehicles or between a vehicle and MoD infrastructure network (RMNC).

The system is equipped with RF-5800 FALCON™ II series VHF radio system provides advanced capabilities for secure high-speed data and digital voice operation in both fixed and ECCM modes.



The system supports voice and data communication requirements while "On-the-Move" or while deployed in a "Static" location. A comfortable, ergonomic and spacious radio operator compartment provides convenient access and operation of the communication assets.

Due to the security reasons, all black and red cables and equipment are separately according to military standards.

A TT URO, VAMTAC four-wheel drive vehicle provides the common mobile platform for the communications system.

The vehicle is custom equipped with AC and DC power distribution and conversion systems for the communications and support equipment. A power monitor and control panel provides convenient access for the operator to the system power functions. The communications power system is independent of the vehicle system providing seamless transitions from vehicle, generator/commercial, or communication battery power.

Interactive SBC performed the following activities in order to deliver a turn-key system:

- System design and engineering
- Installation and integration of the subcontractor purchased equipment and the CFE equipment in the communications vehicles
- Purchase/manufacture, install and test the power supply system necessary for the vehicle installations (auxiliary power generators and AC and DC power distribution systems)
- Purchase/manufacture, install and test all the equipment necessary for the vehicle installations such as: rooftop equipment, shelving, operator chair, operating console, fuel can, power and distribution panel.
- Provide the necessary markings to installed components to ensure proper functional guidance for end users.
- Provide training to the Romania MoD representatives. The training provided practical hands-on skill development for system familiarity, operation and performing preventive maintenance on the Communications Vehicle System.

