



Mobile Command Center

Command & control solutions provide required methods to collect, process, and propagate the information related to staff, equipment, and military installations. This information is necessary for commanders and decision-makers to plan, organize, manage, coordinate, control, and monitor the operation in a mission. Main applications of command & control solutions are as follows:

1. Continuous collecting, processing and propagating the environmental information
2. Establishing and keeping communication between members of the command solution
3. Planning, organizing, coordinating, and managing the operation
4. Complete and continuous supporting the forces during the mission
5. Commanding, controlling, and monitoring the forces in battlefield
6. Nullifying the enemy's actions by deceiving operation, psychic operation, Electronic Warfare, and ...

Considering unique role of command & control solutions in coordinating goals and activities of fighting units with environmental conditions and their fighting power, establishing secure and reliable intercommunication/external communication between parts of the command & control solutions available in different locations of the country is very important. Obviously strong and effective informational supporting the command site as main core of the command & control solutions including battlefield coordinates, audio/video reports of enemy's activities and location, and ... has direct influence on the commanders' correct, accurate, and on time decision making. Therefore, operating mobile communication centers connected to the command sites via secure communication infrastructures, protects the commanders attended in the sites from the dangerous due to direct operation of the propagating communication equipment as well as providing variety of secure and reliable communications.

Capabilities

- ✓ Establishing secure data network using encryption algorithms through the Ethernet infrastructure
- ✓ Equipped with radio equipment in all frequency bands and holding conference between different bands
- ✓ Equipped with specific telephone network and capability of connecting telephone lines to the network
- ✓ Remote control capability for keeping the solution operators away from the propagating communication equipment
- ✓ Resisted against Electronic Warfare
- ✓ Equipped with surveillance and night vision system
- ✓ Equipped with video conference system
- ✓ Equipped with the modern MUXs with capability of transmitting the Ethernet, E1, and telephone lines (FXO, FXS) through the fiber optics with capacity of 155Mb
- ✓ Capability of establishing parallel links as alternative
- ✓ Capability of establishing communication with lower and upper layers via pair wire with capacity of up to 11.6Mb
- ✓ Capability of establishing microwave network with the other nodes in distances of up to 30km
- ✓ Capability of operating the local data network and supporting the WAN network as well as data transmission through different communication infrastructures (fiber optics, cable, and microwave)
- ✓ Connecting to/Communicating with various communication solutions in whole the country
- ✓ Tactical solution
- ✓ Resisted against chemical attacks by the technique of making positive pressure inside the shelter using the air capsules available in the solution
- ✓ Thermal/audio insulator on the shelter's body
- ✓ Capability of using thermal nets, infrared, environmental concealment, and X band

Dimension of the solution

Indoor dimension of the Communication.....Length: 4.5m, Width: 2.2m, Height: 2.2m shelter

