



ALAS BATTERY COMMAND POST

Automated command systems



APPLICATION:

Unified Battery Command Post (BCP) provides:

- Automated process of air, sea and ground situation data receiving, gathering, and processing;
- Processing the data received from its own sensors (radar, optoelectronics...);
- Receiving the data from the higher command post (battalion command post);
- Threat evaluation and weapon assignment (TEWA);
- Fire Command and Control of subordinate units;
- Receiving commands from superior command,
- Sending reports and status to the superior command,
- Creation and simulation of situations for the training of crew;
- Situation recording, archiving and displaying.

COMPOSITION:

- Towing vehicle,
- Command shelter (Ops Cabin),
- Sensors (radar + optoelectronic system),

- Masts,
- Electro-hydraulic subsystem for suspension and leveling;
- Electric generator,
- Auxiliary equipment.

POSSIBILITIES:

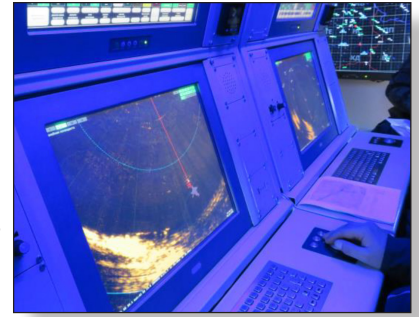
- Centralized and decentralized mode of operation;
- Receiving data and commands from superior command;
- Sending reports and status to superior command;
- Use of own sensors;
- Creation of real-time situation in the zone of responsibility;
- Optimization of target distribution and the use of weapons;
- Deployment and condition of units in the zone of responsibility;
- Display of situation on various surfaces (vector map, raster map, digital map);
- Creation and simulation of the crew training

CHARACTERISTICS:

- Modular design;
- Flexible arrangement and possibility of software change to suit specific tasks;
- Application of modern solutions on modern processor and computer platforms;
- Application of operating systems for real-time operation;
- Automation of the process of data display and transmission in all operating modes
- Automated control of auxiliary systems (heating, cooling, CBRN, fire protection, suspension and leveling, lifting of masts by means of electric generator);
- Possibility of upgrade and change of configuration;
- Ergonomics and comfort for crew operation;
- Workstations 2
- Crew 3
- Weapons (launchers etc.) up to 8
- PC 4
- Radio stations 3
- Communication:
 - up to 100 m by Ethernet cable,
 - up to 2000 m by optical fibre,
 - up to 20000 m by radio,
 - by modem.
- Continuous operation time:
 - 12 h – electric generator supply
 - 48 h – mains supply
- Transition time to combat position <15 min.
- Transition time to travelling position <15 min.
- Time for starting the equipment <2 min.

POWER SUPPLY:

1. The power supply of the battery command post equipment is provided by means of:
 - Alternating voltage 3x400 Vac, 50 Hz from its own diesel generator
 - Alternating voltage 3x400 Vac, 50Hz from the mains.
2. An uninterruptible power source (UPS) is used for the power supply support.
3. Total required power supply is 12 kVA (15 kW),
4. Direct voltage 24 Vdc from accumulator batteries.



SUSPENSION AND LEVELLING:

- Electro-hydraulic subsystem for suspension and leveling,
- Processor operated,
- Manual and automatic operating mode,
- Possibility of multi-purpose console control.

OPERATING CONDITIONS:

- Ambient temperature: -25°C to +55°C,
- Storage temperature: od -55°C do +65°C,
- Humidity: up to 95% at +25°C,
- Atmospheric pressure: 650-800 mmHG.

