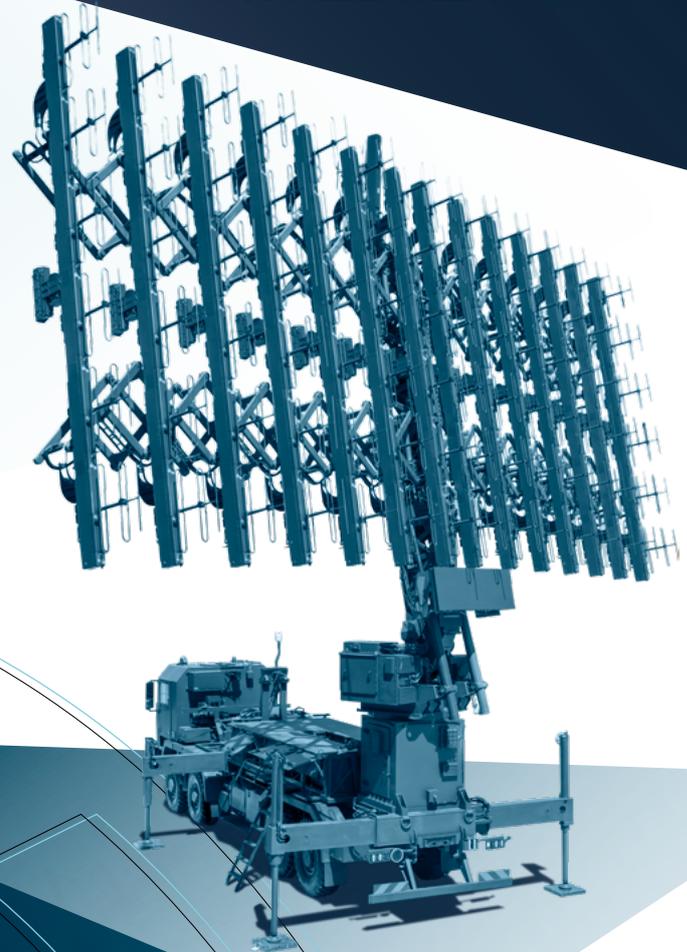


P-18PL

MOBILE LONG RANGE RADAR STATION FOR EARLY TARGET DETECTION



The P-18PL mobile radar is a long range sensor intended for area surveillance for the purposes of monitoring the situation in the air, early detection of air attack threats, defining the attack / strike direction, defining threat types (classification of means of attack), setting targets for fire control systems and supporting the airborne operations of own forces.

Equipped with AESA-class antenna and based on the software defined radio (SDR) technique, the equipment can be easily modified and adapted to new tasks.

Main features of P-18PL:

- detection and tracking of ballistic missiles,
 - detection and tracking of stealth aircraft,
 - detection and tracking of hypersonic missiles,
 - detection and tracking of UAVs of various classes,
 - detection and tracking of helicopters in hover,
 - passive mode option,
 - electronic area scanning operation,
 - advanced radio-electronic warfare systems,
 - high flexibility in defining operation modes,
 - cooperation with various types of command-control systems,
 - high mobility – deployment time below 30 minutes.
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TECHNICAL DATA:

Operational bandwidth	VHF
Antenna type	Active with electronic beamforming
Transmitter	Solid-state, distributed, air-cooled, P > 120 kW
Instrumented range	250/350/450/600/900 km
Elevation coverage	25° in the rotating antenna mode, 45° in the stationary antenna mode
Azimuth coverage	360° in the rotating antenna mode 90° ($\pm 45^\circ$) in the stationary antenna mode
Information exchange protocols	ASTERIX, AWCIES, dedicated protocol
IFF system	1, 2, 3/C, 5, mod S,




PITRADWAR

 **PGZ**

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