PITRADWAR

PIT-RADWAR S.A.
COMPANY PROFILE

MISSION

To support safety of the Nation by offering innovative solutions in the areas of electronics, IT and communication technologies.

VISION

To be the leading supplier of professional electronics systems for the Polish Armed Forces.

VALUES

The PIT-RADWAR S.A. is defined by values by which it is driven. The values set the Company's day-to-day activities, define priorities and form the grounds for the Company's operations and future.

FUTURE ORIENTED
Progress is the highest value. All our activities are performed with a view to the fu ture.

CUSTOMER ORIENTED
Our Customers make sense of the Company's existence. Therefore, all our activities are oriented at full recognition of the Customers' needs and offering such solutions that will satisfy the needs.

CREATIVE
We are continuously looking for new concepts and solutions. Our knowledge allows us to create innovative products, being the basis of our success.

RESULT-ORIENTED
We are continuously seeking development opportunities. We focus on activities that allow us to achieve results.

COOPERATION AND OPENNESS
We work collectively, we share knowledge. Our organisational system is oriented at cooperation.

CONFIDENCE AND RESP ECT
We work collectively, we share knowledge. Our organisational system is oriented at cooperation.

PIT-RADWAR S.A. is one of the leading suppliers of professional electronic equipment for the Armed Forces of the Republic of Poland.

For decades, the Company has conducted research and development activities in the field of radar technology, electronic support and measures, C2 systems and related armament systems, especially air defence systems. The products of **PIT-RADWAR S.A.** are used by all types of the Armed Forces of the Republic of Poland, as well as abroad.

PIT-RADWAR S.A. handles the full supply cycle – starting from setting requirements, through research and development work and production to logistic support offered to the users.

Permanent development, seeking new, innovative solutions, highly qualified staff, taking advantage of the most recent scientific and technical achievements allow the Company to continuously broaden it's offer and deliver modern, unique solutions that fully satisfy the current more demanding customers.

HISTORY

PIT-RADWAR S.A. is a successor to the achievements of the major Polish companies acting in the market of professional electronics. The Company was established by merging Przemysłowy Instytut Telekomunikacji S.A., Centrum Naukowo-Produkcyjne Elektroniki Profesjonalnej RADWAR S.A.) and Przedsiębiorstwo Produkcyjne Podzespołów Elektronicznych „DOLAM" S.A.

On the 1st July 2014, the Company name was changed to **PIT-RADWAR S.A.**
PIT-RADWAR S.A. is a part of Polska Grupa Zbrojeniowa S.A.

1934
Przemysłowy Instytut Telekomunikacji S.A.
(established in 1934)

1954
Centrum Naukowo-Produkcyjne Elektroniki Profesjonalnej RADWAR S.A.
(established in 1954)

1961
Przedsiębiorstwo Produkcyjne Podzespołów Elektronicznych „DOLAM" S.A.
(established in 1961)

2011

PIT-RADWAR S.A.
2014

LOCATIONS

WARSAW

The headquarters of **PIT-RADWAR S.A.** is located in Warsaw. Most of the Company's laboratories and workrooms are located in the Warsaw headquarters wherein new echnologies like radar devices, command support systems and armament systems are developed and manufactured.

GDAŃSK

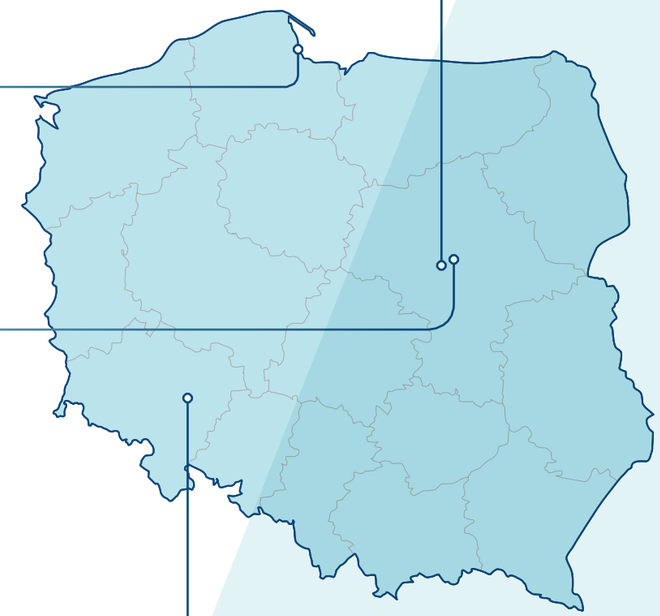
The Gdańsk Office of **PIT-RADWAR S.A.** specialises in passive electronic recognition systems and solutions designed for the Navy of the Republic of Poland.

KOBYŁKA

The main part of the laboratory in Kobyłka is a antenna test range, which is equipped with modern instrumentation for measuring antenna patterns and with radar antennas assembling facilities. The Laboratory performs also measurements of electromagnetic fields in view of work and environmental safety. In this area there is also a manufacturing facility for ferrite materials.

WROCŁAW

The Wrocław Branch of **PIT-RADWAR S.A.** employs specialists in microwave technology.



STAFF

Highly qualified staff is the Company's highest potential. **PIT-RADWAR S.A.** employs more than 1300 persons, most of them being specialists with unique knowledge and broad experience.

Employees with technical university degree	472 persons
incl.	
Employees with doctor degree	25 persons
Employees with the title of university professor	1 person
Employees with university degree	206 persons
Others	667 persons

CO-OPERATION

PIT-RADWAR S.A. actively participates in NATO projects and numerous EU programmes. High appraisal of the Company is proved by numerous invitation to participate in international and domestic consortia.

PIT-RADWAR S.A.

PIT-RADWAR S.A. coordinates the participation of Polish industry representatives in the NATO AGS programme.

PIT-RADWAR S.A. cooperates with NATO agencies, including **NC3A, AGS3, NAMCA, NAMSA**

PIT-RADWAR S.A. participates in research and development work being coordinated by the **NATO RTO**, (sessions of **SET Panel and task forces**).

PIT-RADWAR S.A. participates in the works of **NIAG** Task Forces.

PIT-RADWAR S.A. works with the Visegrad Group countries (V4) on a medium range radar(**Mobile Air Defence Radar**)

PIT-RADWAR S.A. cooperates with Raytheon to develop and production a new **IFF antenna for the Patriot system**

PIT-RADWAR S.A. participates in the **programmes of defence industries of the EU countries**, launched by the European Defence Agency (EDA)

ACTIVITY AREAS

During decades of its operations in the field of defence, **PIT-RADWAR S.A.** has built a range of competencies in comprehensive air defence systems. We design, manufacture and service individual components of radar systems, radio electronic reconnaissance systems, automated command support systems, armament systems, as well as integrate the systems with national and allied infrastructure.

Our offering is based on state-of-the-art hardware, technology and programming solutions that enable swift customization of the offered systems.

RADAR RECOGNITION SYSTEMS

PIT-RADWAR S.A. supplies short/mid/long-range radar stations, hardly detectable shore based radars, state-of-the-art artillery reconnaissance systems operating in the L, S, C and X bands, and passive reconnaissance systems. All systems and equipment are dedicated to operation in all types of armed forces.

Our solutions stand out with a process of continuous technological advancement. On top of the high-vacuum transmitting tube technology, which has been offered for many years, our range of products includes devices that are based on modern semiconductor technologies and equipped with active antennas.

To enhance the offering of radar and radio-electronic reconnaissance equipment, we also develop our proprietary technology for IFF Mark XIIA devices (identification friend or foe),in compliance with the current NATO standards.

COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE (C4ISR) SYSTEMS

C4ISR systems are aimed at improving the so-called situational awareness or knowledge of the current battlefield situation. C4ISR systems are equipped with decision-making support tools and battle command utilities. **PIT-RADWAR S.A.** focuses on C4ISR systems dedicated to the Air Defence and the Army. We develop systems that comply with the network-centric warfare architecture requirements, and we are the domestic leader in integration of such systems.

The main C4ISR component is software which defines functionality of C4ISR. The systems are capable of monitoring, presenting and distributing information about the current situation in the air space and on the battlefield. They support combat operations planning thanks to uploads and storage of manpower/equipment status data, action planning in distributed systems, distribution of orders and dispatches. In addition, the systems also support the decision-making process in battle command and control use of combat means.

FIRE MEANS

PIT-RADWAR S.A. designs and integrates state-of-the-art missile systems for Very Short Range Air Defence (VSHORAD) systems. We also develop artillery systems with programmable ammunition that are complimentary to missile systems and used in naval and land based operations.

The offered short range missile launchers, artillery systems and radar stations are integrated into complete anti-aircraft defence systems by using dedicated command and control systems.

OFFER

RADAR SYSTEMS AND RECOGNITION

TRS-15 3D MOBILE MEDIUM RANGE SURVEILLANCE RADAR

The TRS-15 S-Band 3D Mobile Medium Range Surveillance Radar is a source of radar information for Air Defense command and control systems. With additional sea channel functionality, the radar can play the role of the sensor for coastal missile units. The air targets are located in three dimensions using the stacked-beam monopulse technique in elevation estimation and mechanical scanning in azimuth. The radar can also provide digital output of plots, tracks and IFF data. The effective operation of the radar in the presence of jamming and clutter is achieved by using advanced, adaptive signal processing techniques, including adaptive clutter map, automated monitoring jamming, selection of less jammed frequency, staggered frequency repetition.

The TRS-15 radar system consists of antenna vehicle and display vehicle fitted with standard ISO 6 m locks and two power generator trailers. The antenna array can be deployed within 20 minutes by a crew of three using the antenna mast hydraulic system. The radar is fitted with an antenna levelling system and GPS-based positioning system.

3D MOBILE MEDIUM RANGE SURVEILLANCE RADAR N22-N(3D)

The N22-N(3D) Medium Range 3D Surveillance Radar is intended for tactical use. Radar is recommended as AA squadron/battery level sensor or as a mobile system to fill the gaps in radar network coverage. The radar rotating phased array antenna features multiple stacked beams in elevation plane to determine azimuth, range and height of the target within wide range of elevation angles with short data refreshment time.

The radar can operate in two modes, depending on rotation rate of the antenna. The ECCM means as low antenna sidelobes, jam direction finding and tracking, automatic selection of the less jammed frequency, CFAR. The digitized radiolocation data are supplied by radio.

RM-100 MOBILE RADAR

The RM-100 Mobile Radar is a survaillence system, which employs a X-Band FMCW CRM-100M quiet maritime radar in conjunction with AIS receiver, data-fusion and data-transmission systems, relaying the data to the automated naval command and control system. It was designed to detect and automatically track the maritime surface objects and determine their coordinates. It is intended to use for littoral waters monitoring, including the economic zone protection. The Frequency Modulated Continuous Wave (FMCW) technology ensures low power level of the transmit signal (0.1 ÷ 2), which makes RM-100 a stealth Low Probability of Intercept radar. The detection performance is comparable to that of conventional navigational pulse radar, radiating up to 25 kW peak power, what offers a tactical advantage of normal operation under radar silence conditions. The RM-100 Mobile Radar post, which is furnished with a land navigation system and a communication system enabling operating within automated Naval Command and Control System, is installed within one 15-feet EMC-shielded operational container, fitted onto a Jelcz P66D.43 6 x 6 off-road truck. The antenna array is mounted at top a 20-meter mast, deployed within 30 minutes by a crew of three.

CRM-203 MARITIME SURFACE SURVEILLANCE FMCW RADAR

The CRM-203 Maritime Surface Surveillance Radar is designed to support the ship navigation system or the shore marine traffic control posts. The CRM-203 detects and automatically tracks the sea surface contacts to determine their coordinates and movement parameters. It can be used as a radar to surveil the sea areas of special importance. The transmitter of the CRM-203 applies the frequency modulated continue wave technique at very low level of rf emitted power.

Functionalities of the system:

- detection and positioning of maritime surface objects,
- automatic or manual acquisition of up to 100 contacts in defined zones,
- bearing, heading, speed and route tracking of all contacts,
- ARPA anti-collision functions,
- built-in interface for AIS receiver to provide common imaging of AIS and radar contacts on one display,
- built-in interfaces for satellite compass, log, gyro, GPS, map-reader and other sensors,
- built-in LAN interface (data transmission, zero-attendance operation),
- compatible with National Maritime Safety System or other command and control systems.

ARS-800 MARITIME PATROL AIRCRAFT RADAR

The ARS-880 Maritime Patrol Aircraft Radar has been developed for use in:

- airborne search and rescue (SAR) and support of maritime rescue missions,
- aerial reconnaissance and patrolling,
- support of customs and economic zone protection,
- surveillance and protection of fisheries,
- control of illegal immigration and terrorist threats,
- operations against surface vessels,
- natural disaster rescue and recovery support,
- sea pollution and oil slicks detection.

SOŁA REDEPLOYABLE RADAR

ZDPSR SOŁA is a multitask threedimensional (3D) radar, which has been designed to detect and track the air targets. The radar output data contains the full information about the detected targets, including three location coordinates, speed, heading and classification of helicopters as a separate target category. Besides the typical airborne vehicles, the radar can detect UAVs and mortar bombs. The radar is designed for anti-aircraft operations of land forces to provide protection of the military bases, troops in move and facilities of high importance.

The ZSPSR SOŁA can operate autonomously or as a sensor of an anti-aircraft defense systems of land forces, using built-in wire and wireless data transmission means. The radar scans the searched space with severel beams which are steered electronically in elevation plane and with a rotating antenna in the azimuth plane. The radar applies numerous ECCM techniques. Due to the requirement of operation within automated anti-aircraft systems, the radar provides very short time of information refreshment (1 sec).

The radar operation is controlled from a local console or remotely at the distance up to 400 m. In its basic version, the radar is installed on the Żubr armoured vehicle. Any platform of 3,5MT payload can be applied.

BYSTRA REDEPLOYABLE RADAR

The BYSTRA Redeployable Radar is designed for detecting and localizing air targets at short ranges and for supporting air-defense units that cover tactical battle groups against attacks from the air. BYSTRA is a multifunction and multi-mission radar with versatile capabilities and various applications, including detection and tracking of typical air threats as combat aircrafts and helicopters (also when hovering), as well as missiles, UAVs and mortar shells.

The radar can operate in several modes matched to the predefined combat missions. In each mode, an omnidirectional search is performed by rotating the antenna and by scanning space using software formed antenna beams. This enables the effective use of the radar resources and allows for adjusting search patterns to characteristics of a deployment site and to the accomplished function (detection/tracking) or the combat mission.In the design of the BYSTRA Redeployable Radar, several new technologies are applied to obtain required performance in terms of ranges of targets detection and tracking the targets of different classes, jamming and clutter suppression, high measurement accuracy of targets' coordinates of the, increased resolution and enhanced reliability.

LIWIEC WEAPON LOCATING RADAR

The mobile LIWIEC Weapon Locating Radar is designed to co-operate with integrated artillery command and control systems as well as directly with batteries and individual guns. It can be used to protect military bases and important facilities. LIWIEC radar supports the counter-battery warfare by:

- automatic detection and tracking of multiple mortar, gun and rocket artillery projectiles of different types in flight (RAM),
- automatic classification of projectiles and respective firing posts,
- extrapolating individual gun emplacements and classification of the fire unit,
- plotting individual projectile impact coordinates,
- feeding data into automated fire control systems.

Besides the RAM targets also air vehicles can be tracked, as aircrafts, helicopters, missiles, and UAVs as well as weather phenomena and land vehicles. The radar is capable of detection and tracking of 23 mm artillery shells. The LIWIEC applies digital maps (WGS-84, UTM) and enables archiving of recognition, history of cooperation with superior systems and operator's activity. The radar uses two BITE subsystems. The radar is powered by a diesel generator mounted on a standard shelter, which is backed-up by an auxiliary engine driven generator.

PRP-25M, PRP-25S ELINT SYSTEM OF RECOGNITION OF ON-BOARD RF EMITTERS

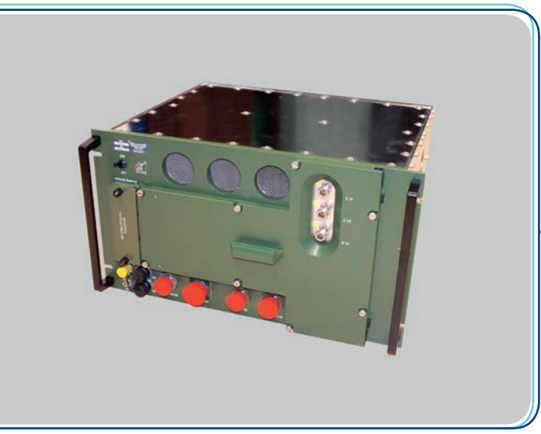
The PRP-25M and PRP-25S stations form an ELINT System of recognition of on-board emitters which is dedicated to Air Forces Electronic Warfare detachments for automated detection, identification, direction finding, monitoring and tracking of sources of every type of RF emissions (0.5÷18.0 GHz) installed on airborne, ground or maritime platforms and for location the platforms.

The PRP-25M and PRP-25S stations can operate stand-alone or in system.

IKZ-02 SHORT RANGE IFF INTERROGATOR SET

The IKZ-02 Short Range IFF Interrogator compatible with Mk XA or Mk XII sytems is intended for use in short-range surface-to-air and surface-to-surface weapons systems especially for MANPADS launch systems and other short-range missile or gun anti-aircraft systems. The interrogator can be used at any antiaircraft posts of all armed forces sevices, including Navy. Compact size and light weight combined with battery-operation capability and highly damage resistant antenna array, allows IKZ-02 to be used in most harsh environmental conditions, including use on sea-going naval vessels. A built-in battery, an additional battery and a charger provides 24 h autonomous operation.

The IKZ-02 interrogator is fully automated, all data concerning its operation is recorded in the memory module. The identification result may be sent directly to fire positions to prevent engaging friendly contact.



The interrogator has a flexible interfacing of the identification result usage (optical indication, voice messages, including range to interrogated contact, by serial RS422 port) and a flexible interfacing of the interrogation control (wire control, remote control, by serial RS422 port, remote control, by radio link).

IFF MARK XIIA SYSTEM DEVICES

IDZ-50 and ISZ-50 INTERROGATORS

The IFF MARK XIIA system interrogators IDZ-50 and ISZ-50 are designed to co-operate with long and medium range radars, respectively. They operate in mode 1, 2, 3/A, C and S, and, when the appropriate cryptographic computer is plugged, also in mode 4 and/or 5. The interrogators are suited to receive the antenna position angle data (North pulses / azimuth clock pulses), as well to co-operate with antennas featuring three radiation patterns in azimuth plane: sigma, delta and omega. The interrogators are suited to co-operate with a GPS receiver.

TRL-50 and TRN-50 TRANSPONDERS

The TRL-50 is a remote controlled IFF MARK XIIA system transponder, which operates in mode 1, 2, 3/A, C and S and, when the cryptographic computer is plugged, also in mode 4 and/or 5, featuring the diversity functionality. The transponder is designed to be installed on airborne and sea platforms. When used in the Reverse IFF (RIFF) system, dedicated to identification air-to-ground, the TRL-50 transponder performs the function of an interrogator. In the RIFF mode of operation, an appropriate cryptographic computer is necessary. The TRN-50 is a remote controlled RIFF system transponder designed to be installed on land sea platforms. An appropriate cryptographic computer is necessary for operation.

C2 SYSTEMS
RECONNAISSANCE SUPPORT SYSTEMS

WOŁCZENICA SYSTEM

The system is used in electronic reconnaissance processes – RF (ELINT) and radio (COMINT). The system consists of units which are responsible for cooperation with electronic reconnaissance troops at different tactical levels.

The system components are joined together by WAN – “OPNET”. The system uses RAP information from the DUNAJ system to process the reconnaissance information.

DL-15 GUIDING POST (A COMPONENT OF DUNAJ SYSTEM)

The system presents the air situation and makes calculations supporting decision-making in the guiding process to intercept the air targets.

TERMINAL TU-20L

The TU-20L is an automated system designed to automate air traffic control processes at the Flight Control Post in the Military airfields. The system supports the processes of approach and landing control and command handover between the responsibility zones of the airfield and AA command system.

C4ISR

SZAFRAN AUTOMATED TACTICAL C2 INFORMATION SYSTEM

The SZAFRAN Command and Control System is designed to support the Land Forces battalion-, brigade-, division- or corps-level command, and to assist the staff work by enabling automated command activities and processes. The SZAFRAN solutions ensure monitoring of the battlefield operational and tactical picture and providing support to the complete command cycle.

The SZAFRAN system is composed of a family of command vehicles and dedicated software. The system operates with LANs developed of the relevant level command posts. The LANs are networked via dedicated data transfer communication links, separated from the tactical communication system.

LA-3 AUTOMATED AIR DEFENSE COMMAND AND CONTROL SYSTEM

The LA-3 (ŁOWCZA) is an anti-aircraft battalion-level or regiment-level anti-aircraft defense command and control system, meant for automated assistance in air attack threat evaluation and air defense fire command decision optimization. Its architecture enables controlling SAM, AAA or mixed gun-missile batteries.

The LA-3 system is receiving, associating and extrapolating air picture data acquired from mobile early warning radar posts and air-defense C2I system. It is also visualizing and exchanging operational and tactical data with superior and subordinate units. Fire units weapons and readiness status is monitored continuously in real time. As a result of automated, computer-enhanced analysis of the all above, optimal decisions concerning decision to engage with means available are being worked-out, tasks are allocated, and then reports concerning the results are received and processed. Due to optimization of firing decision and shortening the time of the decision, battle efficiency of the anti-aircraft system can be significantly increased.

REGA ANTI-AIRCRAFT DEFENSE C2 SYSTEM

The REGA family of systems is meant for lower tactical air defense levels for command and control support by automating the data processing. The REGA system ensures precise target indication and fire solutions for the air defense weapons. The REGA complex solution comprises four cooperating software-hardware modules, dedicated to the commanders, from battery level down to squad level. The solution enables complete air and tactical situation picture and cooperation with other REGA components working alongside. Owing to optimized fire solutions and up to 12-fold shortening of the fire solution working-out time in comparison to older systems, the battle performance of an anti-aircraft system is significantly enhanced.

REGA-1 – WD-2001 anti-aircraft battery level command vehicle.

- basic vehicle – 4 x 4 vehicle,
- computer work station with display and keyboard,
- three radios,
- digital switchboard and telephone sets for wire.

Functionality:

- ability to work in autonomous mode or in centralized system,
- up to 8 weapons being controlled at the same time,
- receiving and evaluation of reports from subordinate units,
- computer-enhanced fire solutions working-out and tasks allocation to optimize the use of weapons available,
- ability to support training with testing software,
- total information delay not exceeding 5 seconds.

REGA-2 – command and control suite for artillery weapon sets (e.g. ZSU-23-4 Shilka) or missile sets (e.g. SA-6 Gainful – 2K12 KUB and SA-8 Gecko-9K3 OSA)

- computer workstation with display and keyboard,
- two radios,
- digital switchboard and telephone sets for wire communication.

Functionality:

- receiving and visualization of the current air and tactical (ground) situation,
- automated transmission of the system data (own position, current state of combat readiness, gun ammunition or missiles remaining count) to the higher levels of command and control,
- receiving target engagement orders from superior command and transmitting reports on results.

REGA-3 – command and control suite for command posts of anti-aircraft defense subunits with towed AA guns (e.g. ZU-23-2, ZUR-23-2S, -2J) or MANPADS (e.g. SA-7 Grail or Polish Grom)

- data exchange computer terminal
- portable transceiver,
- hand-held transceiver,
- wire-communication terminal,
- GPS receiver.

Functionality:

- receiving and visualization of air situation data and positions of subordinate units,
- computer-aided fire solution work-out and fire task allocation to the particular subordinate units (squads),
- exchange order and reports with superior and subordinate units.

REGA-4 – command and control panel for direct integration with individual towed guns and MANPADS launchers:

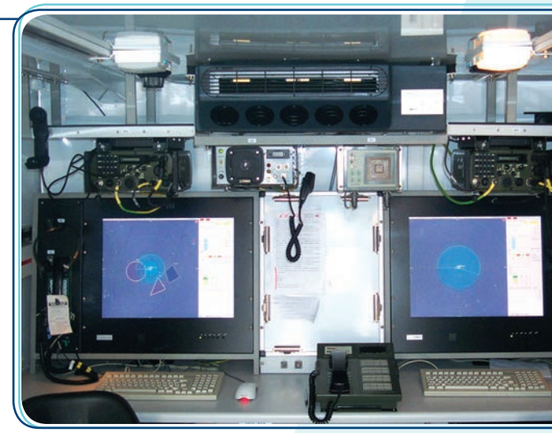
- data exchange computer terminal,
- hand-held transceiver,
- GPS receiver.

Functionality:

- receiving the air situation data and target engagement orders from the REGA-3 level,
- visualization of targets indicated for engagement, displaying graphically other target tracks of potential interest,
- exchanging messages (orders or reports) with the superior command and the subordinates,
- transmitting reports concerning own position, combat capability and results.

The **REGA-5** terminal is equipped with implemented LLAPI protocol, which is designed for the horizontal exchange of information on air situation between national and NATO missile systems. The REGA-5 operates in a radio network.

SDP-20 SAMOC AIR DEFENSE COMMAND POST



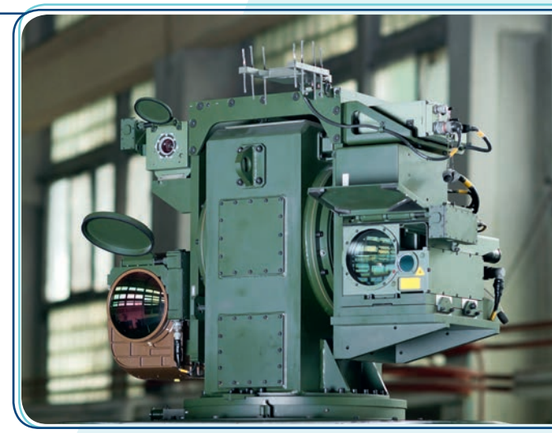
The SAMOC System is a mobile air defense brigade-level command and control post which provide both capability to command and control legacy post-Soviet SAM launchers (2K11 Krug/SA-4 Ganef, or S-125 Neva/SA-3 Goa etc.) and interoperability with NATO systems.

Basic functions of the SAMOC include:

- planning of air defense cluster and SAM units deployment,
- subordinated units RAP-based fire control,
- threat evaluation and recommendations for optimal weapon assignement,
- real-time monitoring of the combat units status.

SAMOC has four operators' stations.

UMBRELLA ANTI-AIRCRAFT SYSTEM



The UMBRELLA anti-aircraft system is intended to fight against low altitude flying airborne targets (fixed or rotary-wing) as well as against lightweight armored ground and naval surface targets, day and night, all weather.

The UMBRELLA uses gun or gun/missile anti-aircraft sets with MANPADS-class missiles (Grom or Strela-2M). The command vehicle is furnished with equipment designed to detect and track the targets, to control a battery of guns and to cooperate with superior command post as well as with remote radars. Anti-aircraft guns of various calibers (23, 35 or 57 mm), or gun/missile anti-aircraft VSHORAD systems can be applied.

WG-35 FIRE CONTROL VEHICLE

The WG-35 Fire Control Vehicle, jointly with its integrated tracking head and its software is an element of VSHORAD anti-aircraft battery. WG-35 receives preliminary information on the air picture from the superordinate command level or a local radar, and subsequnetly intercept and tracks the target with use of the optoeletronic tracking head and the videotracker. As the fire means, typically the 35mm guns can be employed. The WG-35 can configurate a single aiming channel (effector) of high fire power and accuracy, composed of several (up to 8) A-35 guns, operated jointly and in automatic mode. The tracking head has its own subsystem of precise controlling the azimuth and elevation drives. The WG-35 vehicle is equipped with a remote observation post to provide setting the head on the target.

FIRE MEANS

A-35/AG-35 TOWED ANTI-AIRCRAFT 35MM GUN

The AG-35 and A-35 Towed Anti-Aircraft 35mm Guns are fire means designed to operate in an AA battery. They are intended to fight air targets as aircrafts (wing and rotary), cruise missiles and UAVs flying at low and very low altitudes, as well as light-armored ground and sea targets. The guns have common design based on the 35mm automatic cannon (HSW), and differ in solution of aiming subsystem and fire control. The A-35 gun is to be connected to the tracking head vehicle and to work out the controls provided by vehicle's fire control system. The integrated aiming sight can be used to fight the ground and sea surface targets. The AG-35 includes an additional integrated optoelectronic tracking head, a ballistic computer and a videotracker to set a fully operational aiming channel, capable of autonomous intercepting the threat and combat engagement.

35MM NAVAL GUN SYSTEM AM-35

The ship artillery system based on the AM-35 naval gun is designed for fighting the air targets at very low up to medium altitudes. The system is an effective weapon against UAVs. It can be used also to fight the sea surface targets.

The system consists of the AM-35 automatic gun, the integrated ZGS-158M tracking head, the SHO fire control post and the RSKO backup fire control post.

The open architecture of the system, its modularity and scalability enable to integrate the system into the ships of various classes.

POPRAD ANTI-AIRCRAFT MISSILE SYSTEM

The POPRAD self-propelled anti-aircraft missile system is intended for fighting low and medium altitude air targets with use of heat-seeking missiles. The basic functions of POPRAD are accomplished by a tracking-aiming head, which contains a set of electrooptical sensors (thermal camera and laser range-finder), four launchers of GROM missiles, IFF, two-axis drive. The system uses a fire guiding computer and a navigation and orientation system. Target acquisition is based on digital data radio-linked from the automated air defense command and control system or is worked-out autonomously.

The missile launching system is mounted on the Żubr-P off-road truck, also other carriers can be used.

CERTIFICATES

POLICY OF INTEGRATED MANAGEMENT SYSTEM

The products of PIT-RADWAR S.A. are subject to military acceptance, and in the case of NATO customers – to the Government Quality Assurance (GQA) process.

The compliance of the Integrated Management System with the world standards for quality, the environment and health and safety, as well as for control of foreign trade in goods, services and technologies of strategic importance to national security and international peace and security is confirmed by the following licences and certificates obtained by the Company:

- Quality Management System Certificate ISO 9001:2008, AQAP 2110:2009 and AQAP 2210:2015
- Environmental Management System Certificate ISO 14001:2004
- Health and Safety Management System Certificate PN-N 18001:2004 and BS OHSAS 18001:2007
- Certificate WSK
- Accreditation Certificate AB 1218
- Recognition Certificate 1/2013/JC SKW
- Concession No. B-068/2003
- NATO Code of National Economy Entity 2698H
- 1st Degree Industrial Safety Certificate No. SBPK011113T
- 1st Degree Industrial Safety Certificate up to NATO SECRET security clearance level inclusive
- 1st Degree Industrial Safety Certificate up to SECRET UE / EU SECRET security clearance level inclusive

AWARDS

The products of PIT-RADWAR S.A. were many times appreciated and awarded at trade fairs, exhibitions and contests at home and abroad. The awards received are evidence for permanently high quality and innovative character of the products offered by the Company.
Major awards in 2003-2017:

- **23 Defender Awards**, of which **2 Grand Prix awards** and **1 Super Defender**, received at the International Defence Industry Exhibition
- **6 awards,** of which **1 Grand Prix** and **1 Amber Medallion**, won during the Balt Military Expo
- Distinction in the contest **"Polish Product of the Future"**
- **2 first awards** received at international conferences: International Conference on Radar Systems and International Symposium on Microwaves, Radar and Remote Sensing

CONTACT US

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