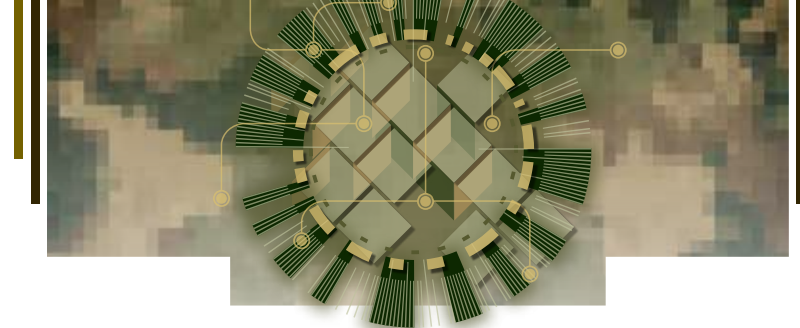


**BULGARIAN
DEFENCE
INDUSTRY**

**BULGARIAN
DEFENCE
INDUSTRY**





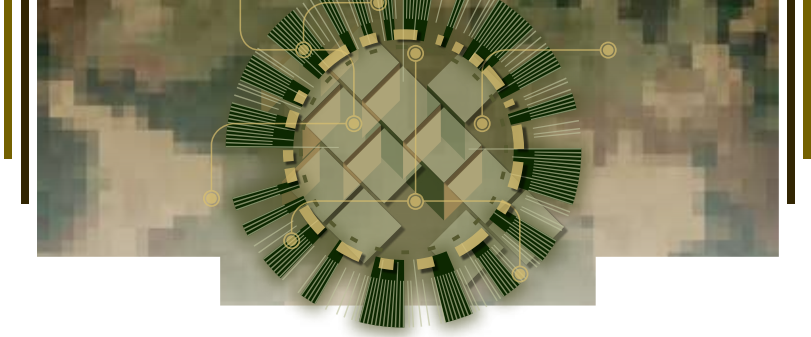
BULGARIAN DEFENCE INDUSTRY



All data presented in this Catalogue are provided by the respective institutions and organizations on their own responsibility.

Published by the Ministry of Economy of the Republic of Bulgaria

2019



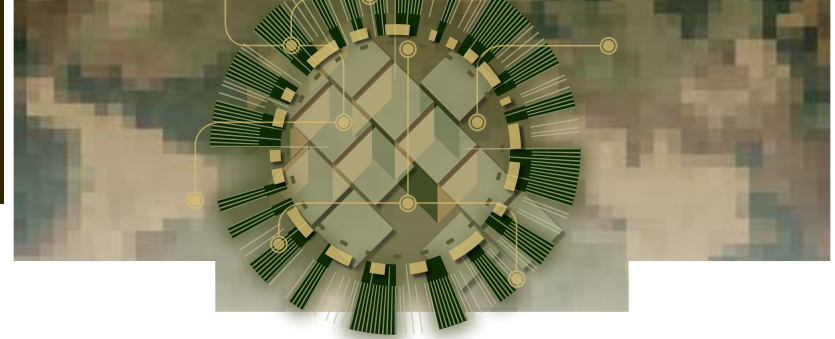
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Deputy Prime Minister for Public Order and Security and Minister of Defence

4



Krasimir
Karakachanov

The relations between the responsible state authorities, including the Ministry of Defense and the defense industry, are oriented towards creating industrial and technological capacity and capabilities for the realization of projects, guaranteeing timely development, production and procurement of defense products, to meet the necessary defense capabilities. This provides the necessary conditions for the efficient use of industrial resources to secure the national missions and tasks of our Armed Forces, and our commitments to the collective security of NATO and the European Union.

The proper and effective use of the defence and security spending is based on the implementation of the sustainable state policy for supplying defense products and services, and implementing national security investments, based on modern criteria and sound solutions.

The guidelines and the main activities for the development of the defense industrial sector are associated with the integration to the common European market of defense production, as well as increasing the contribution to the strategic autonomy of the EU, the defense capabilities of NATO member states, developing the bilateral military-technical and industrial cooperation, access to the defense products markets of third countries, and the development and application of methods with proven efficiency in order to stimulate the internal and external trade activity.

Minister of Economy

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Emil
Karanikolov

I am pleased to present the new edition of the Catalogue of the Bulgarian Defence Industry '2019. This initiative is in support of the Bulgarian defence industry and the Catalogue aims to provide up-to-date information on the most significant Bulgarian companies and research organizations which develop and produce defence related products and services.

The initiative to showcase the Bulgarian industrial and technological defence capabilities is realized by the Ministry of Economy in collaboration with the Ministry of Defence, the Defence Institute, as well as the four major branch organisations in this sector - Bulgarian Defence Industry Association (BDIA), Bulgarian Association of Information Technologies (BAIT), Cluster for Aerospace Technologies, Research and Applications (CASTRA), and Communication and Information Specialist Association (C&ISA).

Not only is the defence industry important as an element of the national security and defence of our country, but also as a sector of the economy providing significant revenues and opening highly qualified job positions. We are pleased with the progress achieved in the economic activity and the stable development of defence industry enterprises. We greatly appreciate the continued commitment to developing production capacities, expanding and refining the range of manufactured products, and introducing modern technological and innovative solutions. Meanwhile we ensure a quality-focused and flexible approach to meeting the individual needs of each customer.

The development objectives of the Bulgarian defence industry, which unite the efforts of the Government and Industry, are to increase the innovativeness of the Bulgarian defence products, to develop successful bilateral and multilateral cooperation, and to realize more products and services for the national armed forces. The Ministry of Economy strongly encourages cooperation between Bulgarian and foreign companies, actively promotes the establishment of long-term industrial cooperation, whilst supporting serious investment intentions in the areas of defence and security, and in the modernization of the armed forces. For us, industrial partnership is a vital tool for preserving and developing existing or creating new key capabilities.

The Ministry of Economy is also committed to providing the necessary prerequisites for successful long-term cooperation and development in the defence industry. Therefore, our priorities are to improve the business environment, to relieve the administrative burden on business, and to promote investment and innovation in the defence and security sector.



BULGARIAN DEFENCE INDUSTRY ASSOCIATION

As the main representative and exponent of the interests of the Bulgarian Defense Technological and Industrial Base, the efforts of the Bulgarian Defense Industry Association are aimed at creating a natural „bridge“ between the Governmental authorities and our members for the purposes of the security, defense and economic development of the country.

The main Goals of the Association are:

1. Forming a „single voice“ of the Bulgarian defense industry on Governmental Policy on modernization, defense-industrial policy, industrial cooperation, procurement policy and procedures for defense and security, research and technological development.

2. Informing the members of the Association for the development trends in the European Defense-Industrial Base, the Member States of EU and other leading countries in the field of defense industry.

3. Formation of environment for the development of SMEs, providing defence products and services and such with possible dual purpose.

The members of the Association are one of the country's leading high-tech innovative companies, developing and manufacturing products and systems with numerous applications in different sectors of the country's economy:

„ARCUS“ Co., „ARSENAL“ JSC, „ARSENAL-2000“ JSC, „BULGARIAN INDUSTRIAL ENGINEERING AND MANAGEMENT“ JSC, „VIDEX“ JSC, „DUNARIT“ CORP., „ELECTRON CONSORCIUM“ JSC, INTERNATIONAL ARMORED GROUP, „HIGH-TECH IMS“ LTD, „EXPAL“ JSC, „MARS ARMOR“ LTD, „MTG-DOLPHIN“ PLC, „OPTICOELECTRON GROUP“ JSC, „OPTIX“ Co, „SAMEL-90“ PLC, „TEREM-HOLDING“ EAD, „TRANSMOBILE“ LTD, „CHERNO MORE“ Co.

More than 30,000 employees are working in the member companies of the Association. Over 90% of the employees in our companies are scientific and engineering staff guaranteeing the development and production of high-tech, high quality, and in many cases with no analogue in the world, defense products.

Bulgarian Defence Industry Association is the official representative of the Republic of Bulgaria in the AeroSpace and Defence Industries of Europe.

Contact

Bulgaria, Sofia, 1574, 67 Shipchenski prohod blvd.
Tel.: + 359 2 46 26 255
Fax: + 359 2 46 26 300
E-mail: bdia@ims.bas.bg
Website: <http://www.bdia-bg.com/en/>



BULGARIAN ASSOCIATION OF INFORMATION TECHNOLOGIES

The Bulgarian Association of Information Technologies / **BAIT**/ is the biggest, most representative and influential Bulgarian branch organization in ICT. Established in 1995, presently 100 member companies are enlisted in the association for which are working more than 16 200 ICT specialists generating an annual turnover of 4 billion BGN or 4% of the national GDP. The Association includes companies in the trend of hardware, software, system integration, telecommunications, Internet suppliers, game developers, IoT, cybersecurity, business management solutions, fintech, etc.

BAIT is a member of DIGITALEUROPE - the voice of the European digital technology. As a member of DIGITALEUROPE, BAIT is involved directly in the formation and implementation of the European ICT policies.

BAIT is protecting the interests of its members by actively working in the following areas: Cyber Security, Defense Information Systems; E-government systems implementation, implementation of ICT in education, changing the universities teaching curriculums by taking into account the needs of the ICT business, increasing the intake of the students into ICT specialties, facilitating the procedure of hiring professionals from countries outside EU, so-called „blue cards“, digital transformation of the economy, Industry 4.0, etc.

BAIT works for transparent and competitive business environment and its function is to ensure that the Law on Public Procurement is being respected.

BAIT is the organizer of the BAIT AWARDS - the most prestigious industry annual awards for the contribution to the development of the information and communication technologies under the patronage of the President of Bulgaria.

BAIT has established the National Technology Transfer Office in the area of information and communication technology to facilitate the process of technology transfer between innovators, researchers and users of ICT in practice.

Contact

CEO, Executive Board
BAIT, 36, Dragan Tsankov Bul., Interpret
WTC Sofia, Office B339, 1040 Sofia, Bulgaria
tel.: (+359 2) 946 15 13, 946 14 51, bait@bait.bg,
www.bait.bg, www.tfo-bait.bg, eskills.tfo-bait.bg



CASTRA is an independent industry-driven consortia (cluster) of high-tech SME's, academic institutions and other interested stakeholders with expertise and capacity to jointly develop technologies, products and services in the aero&space supply and value chains, including defense.

CASTRA's mission is to stimulate and support the creation and the sustainable development of a national aero & space industry eco-system.

CASTRA's vision is to act as a major driver and industry player in the domains of its expertise, to support national R&D&I, public service activities and private business initiatives in the aero&space sectors, to the benefit of society.

Contact

CASTRA Business Center
30, Boris Rangelov Str.
1138 Sofia, Bulgaria
w: www.castra.org
e: info@castra.org



COMMUNICATION AND INFORMATION SPECIALISTS ASSOCIATION

Communication and Information Specialists Association (C&ISA) established in 2009. The Association includes 220 physically members and 18 legal members - companies in the trend of hardware, software, system integration, networks, telecommunications.

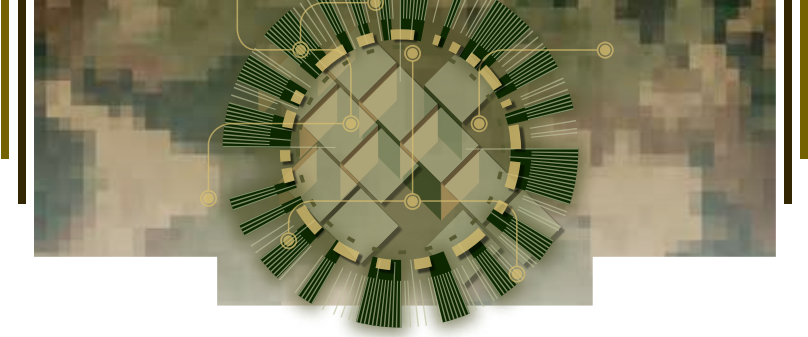
The mission of C&ISA is to protect the general interests of its members by actively working for the development CIS of the Bulgarian Army and Bulgarian defense ICT industry.

The companies, members of C&ISA make for over 75% from the ICT projects in the Bulgarian Armed Forces.

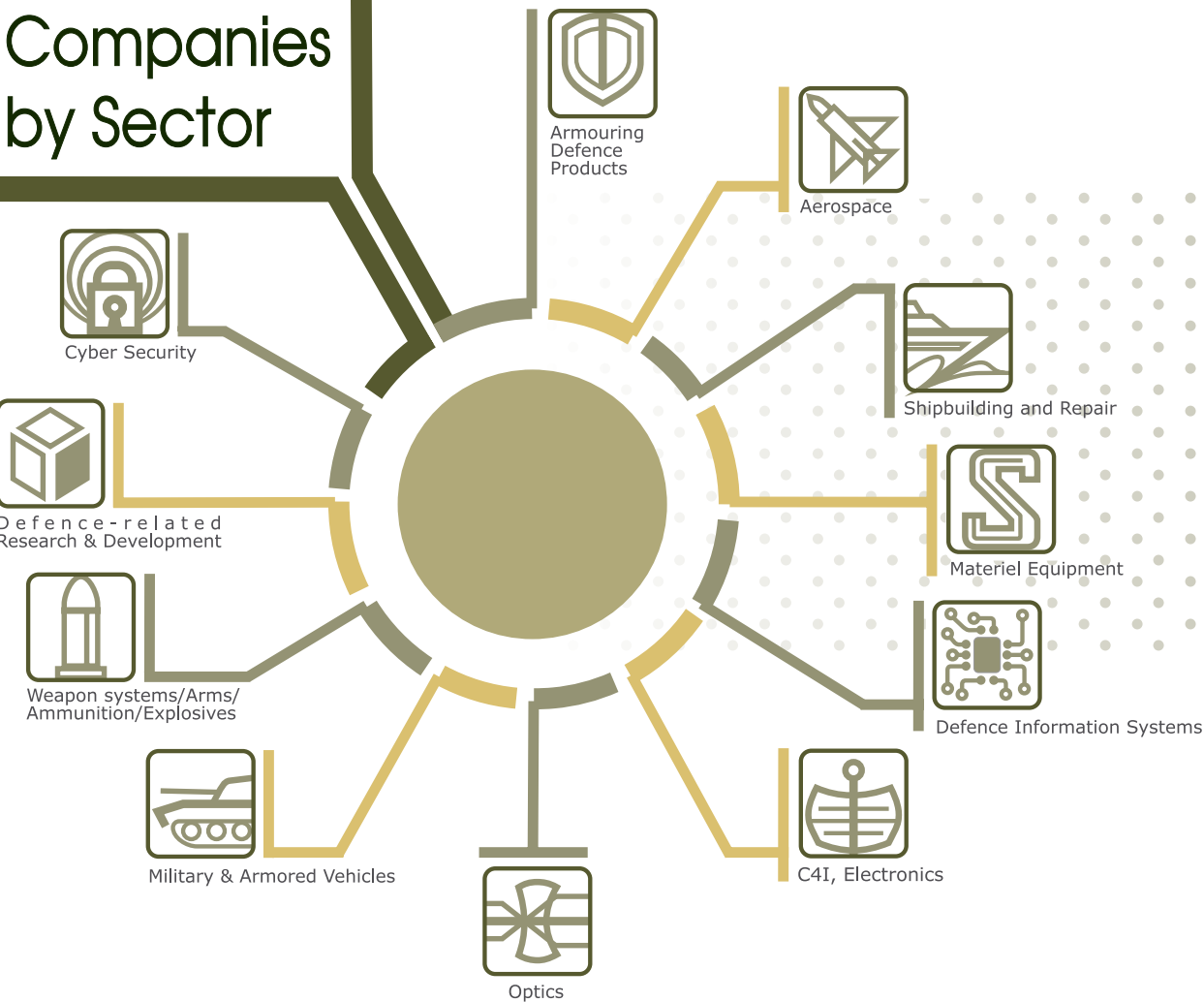
C&ISA actively supports its members in their efforts to implement NATO and European Union defense projects, sustaining them to participate in various feasibility programs and for a more successful adaptation to the latest market conditions. In order to achieve these targets of its own, C&ISA actively cooperates with the state government authorities and C&ISA also cooperates with other non-governmental branch and employer's organizations.

Contact

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2009acis@gmail.com
www.acis-bg.org
Phone: +359 888 797 421



Index of Companies by Sector



Index of Companies

Turnover/ mil €		personnel	
up to 2	€	1 - 9	1 - 9
2-10	€	10 - 49	10 - 49
10-50	€€	50 - 249	50 - 249
50-99	€€€	250-499	250-499
99 and more	€€€€	500 -	500 and more

Index of Companies by Products and Services

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ARCUS CO

Banko Bankov, M.Sc.Eng.
Executive Director

Core business/Main Activities

ARCUS is internationally recognized center of competence in military engineering. It specializes in development, production and supply of defense products, including Ammunition, Fuzes, Firearms and Grenade Launchers. ARCUS has 50 years of tradition in the research, development and manufacturing of defence-related products.

Products & Services

- Grenades for Grenade Launchers cal. 40x46mm NATO; 40x53mm NATO; 40mm VOG-25; 30mm VOG-17.
- Ammunition for medium caliber automatic guns: 30x165mm and 23x152mm
- Grenade Launchers cal. 40x46mm NATO and 40mm for VOG-25
- Small Firearms: 9x19mm pistols
- Impact Fuzes for artillery ammunition, mortar bombs, rockets and air bombs
- Proximity Fuzes for mortar and artillery ammunition.

Projects, References

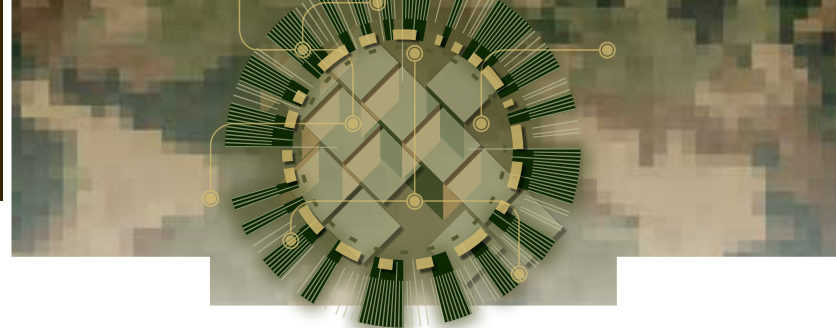
ARCUS is licensed for manufacture, trade and export of defence products according to the Bulgarian Law and international regulations. The company is delivering defence products to more than 75 countries worldwide, including most of the NATO countries.

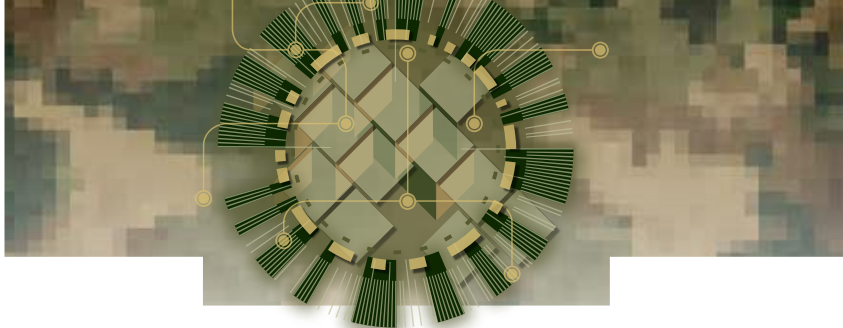
Certificates, Awards, Memberships

The Quality Assurance System of ARCUS is certified for full compliance with: •AQAP-2110, •ISO-9001:2015, •ISO14001:2015, •OHSAS 18001:2007. The Company is fully licensed for manufacture, trade and export of defence-related products in accordance with the Bulgarian Law and internationally adopted regulations.

Contact

Phone: +359 619 22018 - Exchange; Fax: +359 619 22123
E-mail: office@arcus-bg.com; marketing@arcus-bg.com
Executive Director: +359 619 22018; +359 62 623435
Deputy Executive Director „Marketing & Procurement”: +359 619 22018
Marketing Department: +359 619 23134
Human Resources: +359 885804204





ARSENAL 2000 JSCO

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Hristo Ibouchev, Executive Director
Stanil Stanilov, Executive Director

Core business/Main Activities

Arsenal 2000 JSCo. is a holding structure of several companies and is officially licensed by the Government of the Republic of Bulgaria for supply in military equipment. The company is specialized in supply and investment in defence-related products and dual use goods.

Arsenal 2000 JSCo. has full License for international trade No 11.00-775-1/27.01.2015 and registration for broker services and transfer of defence-related products.

The company is 100% privately owned with 20 years of experience in the defence field.

Areas of activity:

- Investment in defence manufacturing and software;
- Manufacturing, import, export and re-export of defense related products;
- Transfer of technologies, know- how and supplemental services.



Products & Services

The company supplies:

- Small arms and artillery systems
- Ammunition and components
- Pyrotechnic military products
- Civil production - tooling, hunting and sport weapons and ammunition.



Projects, References

Our mission is to be a market leader in the industry segments, striving to meet the increasing and diversified demands of our customers. Our focus is to establish lasting business relationships with our clients.

Traditionally **Arsenal 2000 JSCo.** participates in all major exhibition events and trade fairs worldwide, promoting product durability and reliability within the security and defense international market concept.

Certificates, Awards, Memberships

The production offered by **Arsenal 2000 JSCo.** is designed, manufactured and controlled in accordance with the requirements of **NATO Allied Publication-AQAP 2110** and **ISO 9001**.

The Quality Management System is certified by the **Bulgarian MoD** for compliance with **AQAP 2110** - for military production, and by **LRQA** for compliance with **ISO 9001** - for civilian production.

Contact

100, Rozova Dolina Str.,
6100 Kazanlak, BULGARIA
Tel.: +359 431 50 000, +359 431 63 740;
Fax: +359 431 50 001, +359 431 63 783
e-mail: arsenal2000@arsenal2000.com;
www.arsenal2000.com



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ARSENAL JSCO.

Nikolay Ibushev, General Director

Core business/Main Activities

ARSENAL JSCO. is a distinguished multi-functional infra-structural Company with leading positions in the National Economics and with great experience in design, manufacturing, engineering and trade in military and civilian products.

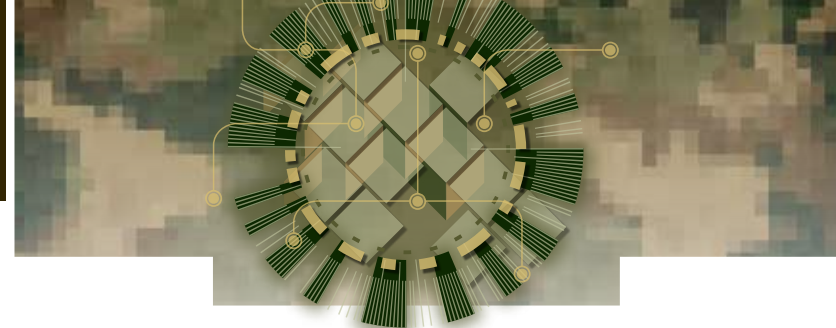
Founded in 1878 in Rousse as the first factory meant to serve the newly created Bulgarian Army.

Main activities:

- design, manufacturing and trade in small arms and artillery armaments, ammunition, primers, powders, charges, pyrotechnic products, hunting and sport weapons and ammunition, cemented carbide tools, tips and inserts, casting, forging etc.;
- engineering activity.

Arsenal JSCO. is officially licensed by the Government of the Republic of Bulgaria for trade in Military Equipment.

License No 11.00-774-1 / 27/01.2015



Products & Services

Small arms and artillery systems

- 9x18, 9x19 mm SHIPKA Sub-machine Guns
- 5.56x45 mm & 7.62x39 mm ARSENAL Assault Rifles
- 5.56x45 mm & 7.62x39 mm ARSENAL Light Machine Guns
- 7.62x54 mm & 7.62x51 mm ARSENAL Machine Guns
- 23x152 mm Air Defence Systems(for Land forces and Navy)
- 40 mm & 40x46 mm ARSENAL Multi-shot Grenade Launcher - revolver type
- 40x46 mm ARSENAL Stand-alone Grenade Launchers
- 40 mm & 40x46 mm ARSENAL Underbarrel Grenade Launchers
- 60 mm, 81 mm, 82 mm Mortars
- Light & Heavy Recoilless Systems

Small Arms Ammunition, cal.: 5.56x45, 7.62x39, 7.62x51, 7.62x54, 9x18, 9x19 mm

Artillery Rounds, cal.: 23x115, 23x152, 30x165 mm

High Velocity Rounds, cal. 30 mm

Low Velocity Rounds, cal.: 40 mm & 40x46 mm

Rounds for Recoilless Systems, cal.: 40 mm & 73 mm

Mortar Bombs, cal.: 60 mm, 81 mm, 82 mm, 120 mm

Unguided Aviation Rocket, cal. 80 mm;

Hand Grenades: Combat; Non-lethal.

Fuzes, Primers, Charges, Powders.

Pyrotechnic military products

Civil production:

- 5.56x45 mm & 7.62x39 mm Self-loading Hunting Carbines
- Hunting Cartridges: cal. 12 and 16
- Signal Pyrotechnic Products.



Projects, References

Arsenal JSCO is famous all over the world with its design, manufacturing, research & development, transfer of technology, engineering activities over 140 years.

Besides this, we perform an energetic innovation activity, as well as modernization of the military products, as the development, production and submission of the new and modernized articles are performed without termination of submission of the well-known articles.

As an export company possessing wide trade experience, ARSENAL JSCO. manufactures high quality and competitive products and more than 90% of our production is exported all over the world.

Certificates, Awards, Memberships

ARSENAL JSCO. has a structured Quality Management System applicable for design and production of armaments, ammunition and their components in accordance with the requirements of NATO Publication- AQAP 2110, approved and certified by the Bulgarian Ministry of Defence with last issued Certificate SK No 177/2019, expiry date: February 2021.

Management System of **ARSENAL - ZMM Arsenal JSCO.** has been approved by Lloyd's Register Quality Assurance to the ISO 9001:2015.

Certificate of Approval with Identity Number: 10083711, current issue date: 31 May 2018, expiry date: 30 May 2021. Approval Number: ISO 9001- 0039335.

Contact

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Fax: +359 431 63332, +359 431 63 132
e-mail: arsenal@arsenal-bg.com;
www.arsenal2000.com

AVIONAMS JSC

Yordan Novakov, CEO

Core business/Main Activities

Avionams JSC is a State owned company specialized in providing integrated maintenance, heavy repair, upgrade and overhaul services for helicopters and jet aircraft.

We are a fully certified facility for one-stop MRO solutions for the following aircraft:

- Mil Mi-8 and Mi-17 helicopters and their variants
- Mil Mi-24 helicopters
- MiG-21, MiG-23, MiG-29 fighter jets
- Sukhoy SU-22 and SU-25 fighter jets
- L-39 trainer jets

The quality of all performed activities is guaranteed by the documentation and technological support from OEM, as well as the integrated quality management systems in accordance with ISO9001 and AQAP standards.

Our company has been a trusted partner within the aviation industry ever since its creation back in 1939.

Throughout the years we have constantly striven to improve and provide only the best quality services to our customers.

Avionams has had excellent safety records regarding reliability and airworthiness of aircraft, overhauled at its premises.

Products & Services

Repair of the aircraft airframe and its systems as per latest repair documentation

Conversion of military helicopters to passenger versions

Overhaul of engines in certified repair facilities in Russia and Ukraine

Overhaul of main gearboxes and APUs

Overhaul and upgrade of all onboard systems and equipment according to designer approved documentation

Overhaul of aircraft armament and complete test trials after mounting on the aircraft

Implementation of repair bulletins and upgrades for extension of TBO and service life

Test trials of aircraft engines, helicopter main gearboxes and APUs at dedicated test bench stations within the plant

Ground and flight tests performed by a certified company flight crew

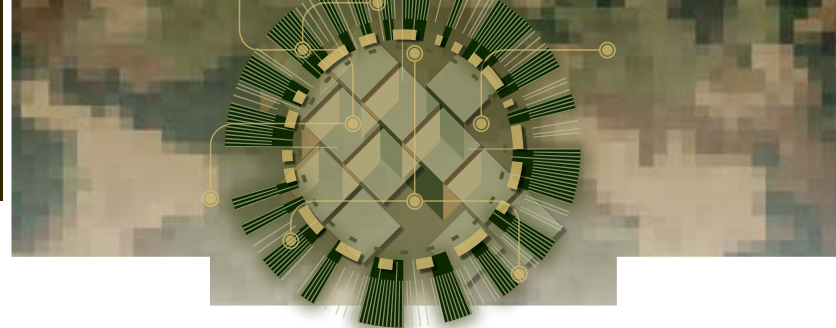
Repair and refurbishment of passenger cabin and pilot cockpit

Non-destructive control and inspection of the aircraft

All types of protective and paint coatings

Production of ground equipment and test stations

Warranty and post-warranty maintenance support



Projects, References

Our company has extensive experience working with customers from every continent on the planet. We are well recognized within NATO and on the international market for our quality and integrity.

Certificates, Awards, Memberships

Our main certificates include:

- Certificates by Russian Helicopters JSC and MIL Moscow Helicopter Plant JSC - Russia for authorized Aviation Repair Plant for civil and military helicopters
- Certificate by Interstate Aviation Committee - Russia for approved Overhaul and Repair Station
- License by Bulgarian CAA for approved maintenance organization
- Certificates by Bulgarian MoD for overhaul of Mi-8/17 and Mi-24 helicopters, AI-9V APU and VR-14 MGB
- ISO 9001:2015 and AQAP 2110 Certificates
- Other

Contact

2, „Tzar Simeon“ str.
4023 Plovdiv, Bulgaria
phone: +359 32 / 62 89 84
Fax: +359 32 / 63 21 75
E-mail: office.pld@avionams.com
Website: www.avionams.com



BIANOR SERVICES EOOD

Ivan Dimitrov, CEO

Core business/Main Activities

Bianor Services EOOD is a software development company, providing:

- software research and development,
- technical expertise to defense companies, telecommunication and media companies.

The company operates in three business verticals:

- Software for Defense,
- Live video streaming solutions,
- Building software development capacity.

As a technology partner, Bianor provides all-round expertise, covering the full software life cycle: from requirement, UI, UX, dev, QA, DevOps, PM, to product delivery and support.

Products & Services

Bianor Services EOOD provides software and IT expertise with proven processes and precision. Bianor is a technology company with 21+ years experience in building video solutions for government and blue chip companies. The company's core expertise is video recognition, object tagging, patterns analysis, compliant with NATO STANAG data standards. Bianor provides custom and proprietary platforms and services for live video streaming. As a technology partner Bianor provides full stack software solutions: from concept, through Research and Development to combat ready software products.

Projects, References

NATO - Alliance Ground Surveillance
Bianor developed SW modules that transfer and manage satellite images, video and other reconnaissance multimedia objects from aircrafts, satellites and other sources to NATO's AGS systems. The software processes enormous digital audio and video data streams in near-real time while maintaining mission-critical requirements for quality, speed and reliability.

Rohde & Schwarz - Radio Frequency (RF) sensor network for signal monitoring
Bianor developed a DCI (data, context and interaction) software module which encapsulates the differences between both RF sensors types, thus allowing sensors provided by the vendor Keysight to operate within a Rohde & Schwarz system.

Certificates, Awards, Memberships

- NATO AQAP 2110 & 2210
- NATO Facility Security Clearance
- ISO 9001:2015
- IT Mark Certified
- Agile/SCRUM experienced
- Member of BAIT

Contact

Business Development
Officer: info@bianor.com
Defense Account Manager: +359 2 460 42 00





BULGARIAN INDUSTRIAL ENGINEERING AND MANAGEMENT JSC (BIEM JSC)

Petar Mandjoukov
CEO & Chairman of Board of Directors

Core business/Main Activities

Bulgarian Industrial Engineering and Management (BIEM) JSC. is registered in Bulgaria under company file number 10238 of Sofia City Court on 19.10.2001 at 15-17, Belovodski Pat Str., Sofia-1616, Bulgaria.

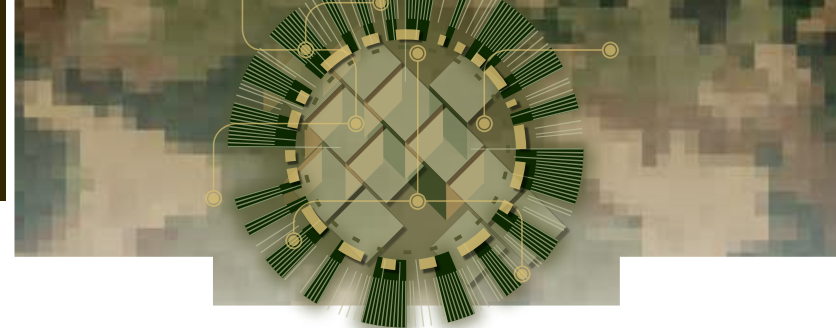
BIEM JSC has full license for international trade with arms № 03.09-4-1/25.02.2015 valid till 25.02.2020 and registration for broker services for arms and dual use items and technologies trade.

BIEM JSC is a member of the international Armed Forces Communications and Electronics Association AFCEA since 2005.

BIEM Company is specialized in:

- Export, import, re-export of military and dual use products;
- Maintenance, technical testing, repair-works, overhaul and upgrade of military equipment, providing of spare parts, tools and accessories, repair and test equipment, documentation and experts' services.

As a private company BIEM JSC is characterized by very good flexibility and efficiency in executing contracts as well as in planning and performing short and long-term market policy and strategy. The company looks forward and welcomes new ideas and joint projects in perspective areas of activities.



Products & Services

The priority in the trade activities of **BIEM** is the capability to supply all kinds and full range and of spare parts, units and finished goods in the following areas:

- Armored vehicles - light, middle and main tanks, Armored Personal Carriers, Light-Armored Multi-Purpose Carriers, Self-propelled artillery mounts and their modifications and their armaments, equipment and ammunition;
- Light and heavy armaments - Assault Rifles, Light Machine Guns, Mortars, Grenade Launchers, Recoilless anti-tank weapons;
- Air Defense Systems including Missile systems, Radar Stations etc.
- Optical devices - scopes, collimator sights night vision devices, red dot pointers, etc;
- Communication and EW equipment (radio-direction finders, jamming systems) C3I centers, etc.;

Projects, References

We have established relations with producers and military suppliers from Bulgaria, Germany, France, Ukraine, Russia, Belarus, Czech Republic, Republic of Slovakia, Serbia, Hungary, Romania, Poland, etc.

Some of the BIEM partners and customers are:

Ministry of Defense, Ministry of Interior of Republic of Bulgaria;
Ministry of National Defense of Algeria and its commandments;
Ministry of Interior and Gendarmerie of Turkey;
Ministry of Defense, Ministry of Interior of Serbia;
other institutions and companies from Europe, Asia and Africa.

Certificates, Awards, Memberships

Our main certificates include:

- License for international trade with arms of defense related products by Interministerial Commission in the defense industry and security of supply to the Council of Ministers of the Republic of Bulgaria;
- License for registration of brokerage activity with defense related products by Interministerial Commission in the defense industry and security of supply to the Council of Ministers of the Republic of Bulgaria;
- Certificate of Recognition as a Member of The Association for Communications, Electronics, Intelligence and Information Systems Professionals and Publisher of Signal Magazine;
- ISO 9001:2015 Certificate;
- Other

Contact

15-17 Belovodski pat Str.
1616 Sofia, Bulgaria
phone: +359 2 / 9 17 202
Fax: +359 2/ 9 17 240
E-mail: biem@biem.biz
Website: www. biem.biz





BULGARIAN DEFENCE INSTITUTE „PROFESSOR TSVETAN LAZAROV”

Colonel Dimitar Kirkov, PhD Eng., director

Core business/Main Activities

The Bulgarian Defence Institute „Professor Tsvetan Lazarov” (BDI), founded in 2009, is leading Institute in the defence and security area in Bulgaria and it is main scientific research, experimental and expert organization of the Ministry of Defence. The BDI employs approximately 108 researchers, engineers and experts, carefully selected, based on their knowledge, experience and expertise.

Main activities:

- Research, development and testing in the area of Armament, C4I Systems, Cyber Defence, Military platforms, Soldier Systems, logistic materials and equipment
- Scientific and expert support to the Integrated Project Teams for modernization programs and projects
- Education of PhD students
- Certification of the defense related products
- Airworthiness and certification of military aircrafts and helicopters and those of the Ministry of the Interior

Methodological guidance of Central Artillery Technical Testing Ground, where are being performed field and laboratory testing of weapons, ammunitions and special products

Products & Services

BDI is accredited to train in the following PhD programs:

- Radars and Navigation
- Radio-transmitters and Radio-receivers
- Automated System for Information Processing and Control
- Information technologies and cyber security
- Optical and Laser equipment and methods
- Dynamic, Ballistic and Air Systems Flight Control
- Design and construction of unmanned and piloted aircrafts
- Chemical technologies for security and defence
- Methods for controlling and testing of materials, equipment and constructions

BDI's laboratories are testing products, according methods and requirements of Bulgarian, International and specialized standards:

- Testing Laboratory of the Ministry of Defence - performs testings about climatic and mechanical impacts on the products and equipment, ballistic protection and verification of degrees of protection
- Central Testing Laboratory for logistic materials and equipment - performs all kind of testings of leather and textile materials and products
- Central Laboratory for Measuring Equipment - performs calibration and verification of measuring instruments

Projects, References

Main C4I national projects:

- Project „Automated Information System of the Ministry of Defence and Bulgarian Army”
- Project „Cyber defence”
- Conduct on project „Expansion and Development of Fixed Communication System of Bulgarian Army”, and other International cooperation and main projects:
- NATO STO, Estimation, Reduction and Pollution Prevention of Army Test Ranges
- NATO STO, Application of Light-Weight Materials for Ballistic Protection
- NATO STO, Intelligent autonomous agents for cyber defense and resilience
- NATO STO, Human in the Loop Considerations for artificial Intelligence
- Cyber Rapid Analysis for Defense Awareness of Real-time Situation,NATO SPS
- Advanced Multi-domain Environment and Live Observation Technologies,H2020,EU
- European network of Cyber security centres and competence Hub for innovation and Operations,H2020
- Through-foliage detection, including in the outermost regions of the EU,H2020
- Predictive methodology for Technology Intelligence Analysis,EDA, and other

Certificates, Awards, Memberships

BDI is authorized to Issue certificates, as follows:

- Certificates of airworthiness for military aircraft
- Certificates for registration of military aircraft
- Certificates for quality management systems
- Product certificates

The laboratories are accredited by the sole national body for accreditation - Executive Agency „Bulgarian Accreditation Service”. Certified in BAC EN ISO /IEC 17025, specifying the general requirements for the competence, impartiality and consistent operation of the laboratories

Contact

1592 Sofia, Bulgaria
2, „Professor Tsvetan Lazarov” Bvd.
Tel: + 359 2 92 21 800
Fax: + 359 2 92 21 808
E-mail: office@di.mod.bg
Web Site: www.di.mod.bg





Main directions for cooperation with partner institutions

- exchange of scientific information, scientific, bibliographic and other publications
- joint organization and conducting of scientific forums
- participation with scientific teams in national and international projects
- lectures, training and guidance of PhD students and graduates
- providing access to laboratory and testing facilities, etc.

List of the partners

Sofia University St. Kliment Ohridski

The Sofia University St. Kliment Ohridski is the first Bulgarian high academic school establishment. It is the main national high academic, research, cultural and information center of high international reputation. The University is also the center of the development of science and the education of students in all domains of public activities.

Rector: Professor Anastas GERDJIKOV, Dr.

Address: 15, Tsar Osvoboditel Blvd., 1504 Sofia, Bulgaria

Phone: (+359 2) 9308 200

Fax: (+359 2) 9460 255

Web Site: <https://www.uni-sofia.bg/>

Technical University of Sofia

The TUF contributes to the economical, social and cultural prosperity of the society by training highly qualified specialists, entirely prepared to conduct expert scientific research and to provide competent scientific expertise in the field of technical, natural and social sciences. This circumstance outlines the TUF as a leading research and educational center in the region.

Rector: COR MEM Prof. DSc Eng. Georgi MIHOV

Address: 8, Kl. Ohridski Blvd., 1000 Sofia, Bulgaria

Phone: (+359 2) 965-2844, (+359 2) 965-2845

Fax: +359 (2) 868 53 43

Web Site: <https://tu-sofia.bg/>

University of National and World Economy

The University of National and World Economy (UNWE) is the eldest, the most prestigious and the largest economic university in Bulgaria and Southeastern Europe. The University is the center of the development of science and the education of students in economical and business activities.

Rector: Professor DSc (Econ.) Statty STATTEV

Address: Student Town, UNWE, 1700 Sofia, Bulgaria

Phone: (+3592) 8195 211

Fax: (+3592) 962 39 03

Web Site: <https://www.unwe.bg/en>

„Rakovski“ National Defence Academy

The RNDA is the oldest military higher education institution in Bulgaria, founded in 1912 and a leading national educational institution with long-standing traditions in higher education for training and education of military personnel and civilians.

Commandant: major-general Grudi ANGELOV, PhD

Address: 82, Evlogi and Hristo Georgievi Blvd., 1504 Sofia, Bulgaria

Phone: (+359 2) 92 26 550 (+ 359 2) 92 26 504

Fax: (+359 2) 944 1657

Web Site: <http://rnda.armf.bg/en/>

Institute for the Study of Societies and Knowledge-BAS

The ISSK ensures an adequate knowledge of the social processes and contributes to optimize policy making in the main social-economic field. The activities of ISSK include provision of expert and consultancy services, covering the needs of governance and management in all spheres of social practice.

Director: Professor DSc Veselin PETROV

Address: 4, Serdika Str., 1000 Sofia, Bulgaria

Phone: (+359 2) 02 981 79 46, (+359) 888 026 424

Web Site: <http://issk-bas.org/>

Institute of Biophysics and Biomedical Engineering-BAS (IBPhBME-BAS)

The IBPhBME is the leading Bulgarian research institute in the fundamental sciences of biophysics, biochemistry, cellular biology and physiology. The achievements of its research staff are internationally recognized for their excellence.

Director: Professor Tania PENCHEVA, PhD

Address: Acad. Georgi Bonchev Str., Block 21, 1113 Sofia, Bulgaria

Phone: (+3592) 9793607

Fax: (+3592) 8723787

Web Site: <http://biomed.bas.bg/en/>

Institute of Mathematics and Informatics-BAS (IMI)

The IMI is BAS’s only institute in the area of mathematics and one of the leading organizations in the country, in the spheres of informatics and computer sciences. The Institute’s mission is the development of mathematic and informatics sciences through their research and implementation in the national education programmes and processes, at all levels.
Director: Acad. Vesselin DRENSKY
Address: Acad. Georgi Bonchev Str., Block 8, 1113 Sofia, Bulgaria
Phone: (+3592) 979-38-28
Fax: (+3592) 971-36-49
Web Site: <http://math.bas.bg/en>

Institute of Metal Science, Equipment, and Technologies-BAS (IMSETHC-BAS)

The IMSETHC-BAS contributes to the education and research activities in the country by conducting basic and applied researches and training in: metal science, heat treatment, casting, crystallization, structure and characteristics of the metals; alloys, composites and nano-materials, plasticity modeling, destruction of materials, functionality and reliability of the constructions, ship hydrodynamics, aerodynamics, water transport, ocean and coastal engineering, marine and river disasters and crises, national security and defense. A significant part of scientific research activities of the Institute are based on the needs of the defense industry of some new materials with special characteristics and are aimed at designing and making products and systems for guarantying the national security and the defense against attacks by land, water and air. The output is compatible with NATO requirements.
Director: Professor DSc Ludmil DRENCHIEV
Address: 67, Shipchenski prohod Str., 1574 Sofia, Bulgaria
Phone: (+3592) 46-26-220
Fax: (+3592) 46-26-202
Web Site: <http://ims.bas.bg>

Institute of Mechanics-BAS (IMech)

The IMech is a leading scientific center with long traditions in fundamental and practical research in mechanics, robotics, mechatronics, biomechanics and related fields. The Institute participates also in the education of PhD students and qualified specialists, and it is involved in some innovation and expert activities.
Director: Professor Peter A. DJONDJOROV, PhD
Address: Acad. G. Bontchev Str., bl. 4, 1113 Sofia, Bulgaria
Phone: (+3592) 979 64 20
Fax: (+3592) 870 74 98
Web Site: <http://www.imbm.bas.bg/>

Institute of Polymers-BAS (IP-BAS)

The IP-BAS is the leading center in the field of polymer science in Bulgaria. Its activities include fundamental and applied research, expert activities and education of PhD students in the sphere of polymers and polymer materials.
Director: Professor Neli KOSEVA, PhD
Address: Akad. G. Bonchev Str., block 103-A, BG - 1113 Sofia, Bulgaria
Phone: (+3592) 870 03 09
Fax: (+3592) 870 03 09
Web Site: <http://www.polymer.bas.bg>

National Laboratory of Computer Virology-BAS

The NLCV is an unique scientific unit, specialized in the area of computer virology, computer, communication and information security. It is a specialized scientific organization for fundamental and applied researches, expert advise and activities, application of scientific results, preparation of highly qualified professionals and similar activities in this area.
Director: Assoc. Prof. Dimitrina POLIMIROVA
Address: National Laboratory of Computer Virology - BAS, Acad. George Bonchev Str., Block 8, Office 104, 1113 Sofia, Bulgaria
Phone: (+3592) 973-33-98
Fax: (+3592) 971-37-10
Web Site: <https://www.nlc.v.bas.bg/>

Space Research and Technology Institute-BAS

The SRTI-BAS conducts fundamental and applied studies in the field of Space Physics, Remote Sensing of the Earth and Planets, and Aerospace Systems and Technologies.
Director: Professor Dr. Roumen NEDKOV, Dipl. eng.
Address: Acad G. Bonchev Str., Bl. 1, 1113 Sofia, Bulgaria
Phone: (+3592) 988 35 03
Fax: (+3592) 988 35 03
Web Site: <http://space.bas.bg/>

University „Prof. Dr. Assen Zlatarov“-Burgas

„Prof. D-r. Assen Zlatarov“ University is the only state university in South-East Bulgaria. Tuition is carried out in 29 accredited Bachelor and over 60 Master programs in technical, natural and social sciences.. More than 320 highly qualified lecturers, 127 of which habilitated, are teaching in the university.
Rector: Professor Dr. Magdalena MITKOVA
Address: 1, Prof. Dr. Yakimov Blvd., 8010 Burgas, Bulgaria
Phone: (+359) 889 620 300
Web Site: <https://www.btu.bg>

„Vassil Levski“ National Military University

The NMU forms military leaders, capable to develop and implement a scientific knowledge in the management of social and special structures in peacetime and crises, as well as to participate in some national and multinational projects, aimed at maintenance of the security, peacekeeping and development of the society.
Commandant: brig. general Dr. Plamen BOGDANOV
Address: 76, Bulgaria Blvd. 5006 Veliko Turnovo, Bulgaria
Phone: (+359) 62 618822
Fax: (+359) 62 618899
Web Site: <http://www.nvu.bg/>

„Todor Kableshkov“ University of Transport

As a modern university, the „Todor Kableshkov“ University of Transport successfully performs its mission to participate actively in the formation and implementation of the state policies for the development of higher education and research in the areas of the land transport, transport infrastructure and telecommunications.
Rector: Professor Daniela TODOROVA, PhD
Address: 158, Geo Milev Str., 1574 Sofia, Bulgaria
Phone: (+3592) 9709211
Fax: (+3592) 9709242
Web Site: <https://www.vtu.bg/>

Nikola Vaptsarov Naval Academy

The Naval Academy is the oldest technical school in Bulgaria and its history and current activity affirm it as the most authoritative training center for marin personnel. At present, the Naval Academy has the necessary facilities and highly qualified trainers to ensure the education of naval officers for naval and civilian shipping. Its curricula and programs have been developed in accordance with all the international requirements.
Commandant-Rector: Flotilla admiral Professor DSc Boyan MEDNIKAROV
Address: 73, V. Drumev Str., 9026 Varna, Bulgaria
Phone: (+3592) 52 552 220, (+3592) 52 632 013
Fax: (+3592) 52 303 163
Web Site: <http://www.naval-acad.bg>

„Konstantin Preslavsky“ University of Shumen

The KPUsh is a state university with traditions and it is an educational, scientific and cultural centre in North-East Bulgaria. Being a social and cultural institution, the Univeristy emphasizes on values, such as tolerance and mutual respect in an environment of equality and „education for everyone“.
Rector: Professor Dr. Habil KOLEV, PhD
Address: 115, Universitetska Str., 9700 Shumen, Bulgaria
Phone: (+3592) 54 830 495
Fax: (+3592) 54 830371
Web Site: <http://shu.bg/>



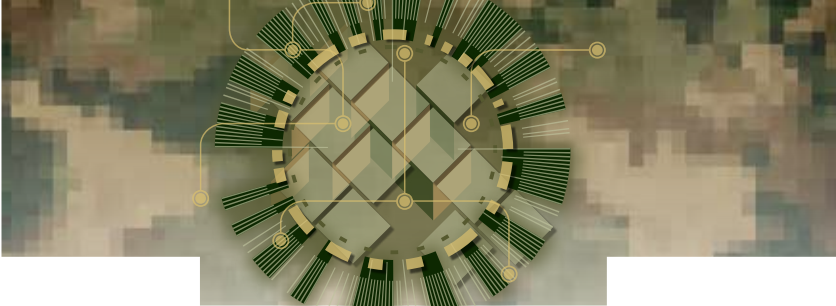
DUNARIT CORP.

30

Eng. Petar Petrov, CEO

Core business/Main Activities

Dunarit Corp. was established in 1903 as a private factory for production of gun powder. During the years, Dunarit has developed into an internationally recognized modern enterprise for design, manufacture and demilitarization of aerial, mortar, artillery, engineer munitions and civil use explosive products. Dunarit owns and operates a modern facility for thermal disposal of small caliber ammunitions and detonating devices, which is unique for South - Eastern Europe, operating in accordance with the European Union environmental regulations.



Products & Services

AERIAL AMMUNITIONS

- FAB 500 M62 High Explosive Bomb
- BETAB 500 TA Concrete-piercing Bomb
- High Explosive Fragmentation Bombs:
- OFAB 100-120; OFAB 250-270 & OFAB 500 M62 PF
- Pre-fragmented Bombs: OFAB 100-120 PF & OFAB 250-270 PF
- Thermobaric High Explosive Fragmentation Bombs:
- OFAB 100-120 TB; OFAB 250-270 TB & FAB 500 M62 TB
- Practice bombs: P50-75D; P50-75N & P-50-75
- AMV-AE2 & AVU ETM Fuzes
- S-8 KOM Air-Launched Unguided Rocket

ARTILLERY AMMUNITIONS

- 122mm round for D-30 and 2S1
- 100mm round for D10T, D10T2S and BS-3
- High explosive mortar rounds: cal. 120mm, 82mm, 81mm & 60mm
- Smoke mortar rounds: cal. 120mm, 82mm, 81mm & 60mm
- Round OG - 7
- Fuzes: RGM-2M; V-429E; M-12; M6-N; M52 B3; M6; GO-2

ENGINEER AMMUNITIONS & COMMERCIAL PRODUCTS

- Hand grenades: Offensive (RGD-5); Defensive (RGO-78); smoke (RDG)
- Waterproof detonating cord (10480g/m)
- Cast Boosters (254900g); Seismic boosters
- Shaped explosive charges
- Antihail rocket



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Projects, References

Dunarit Corp. has been exporting its products to more than 60 countries on 5 continents during its 116 years of operation. Our business model is based on establishing successful partnerships. For us this means mutual respect and adequate response to the changing needs of our customers and employees. The company has a test laboratory for carrying out incoming inspection of materials and testing of finished products. Dunarit Corp. is registered in the NSPA supplier systems.

Certificates, Awards, Memberships

Dunarit Corp. has established and implemented an Integrated Management System certified for compliance with the requirements of ISO 9 001:2015, AQAP 2110, ISO 14 001:2015 and BS OHSAS 18 001. Dunarit Corp. is a member of the Bulgarian Defence Industry Association.

Contact

7000 Ruse, Bulgaria
phone: +359 82 / 811 520
Fax: +359 82 / 811 530
E-mail: office@dunarit.com
Website: www.dunarit.com





ECOCOMS LTD.

Dr. Eng. Todor Kouyoumdjiev, CEO
Eng. Georgi Babinov, CEO
Eng. Konstantin Pepeldjiyski, CEO
Eng. Todor Vassilev, CEO

Core business/Main Activities

ECoCoMS Ltd is a leading provider of professional network technology. ECoCoMS is a private company which designs and produces digital telecom devices in wide area of applications:

- Engineering, production and development of digital systems for voice and data over copper, radio and optical cables
- Systems for digital transmission
- IP and VoIP based solutions for the SOHO
- Centralized systems for management and monitoring
- Development and production of embedded solutions based mainly on wide range of ARM processors
- Military Communication Products and Applications
- Specific non standard solutions
- Linux based solutions and applications.
- Data acquisition and SCADA systems.
- R&D in all above mentioned areas

Products & Services

- Multiplexers Wide range of TDM - PDH&SDH Multiplexers - from 64kbit/s up to 155Mbit/s
- First generation
- Second generation
- Cross Connectors and Access Devices
- VoIP SOHO PBX Family
- Embedded Systems
 - GPRS Gateways
 - High Availability remote access
 - Protocol converters
- Dispatching Systems
- Military Applications
 - Armored Digital Intercom System
 - Tactical Switch
 - Multi-functional Tactical Communication Platforms
- HDL IP Cores

Projects, References

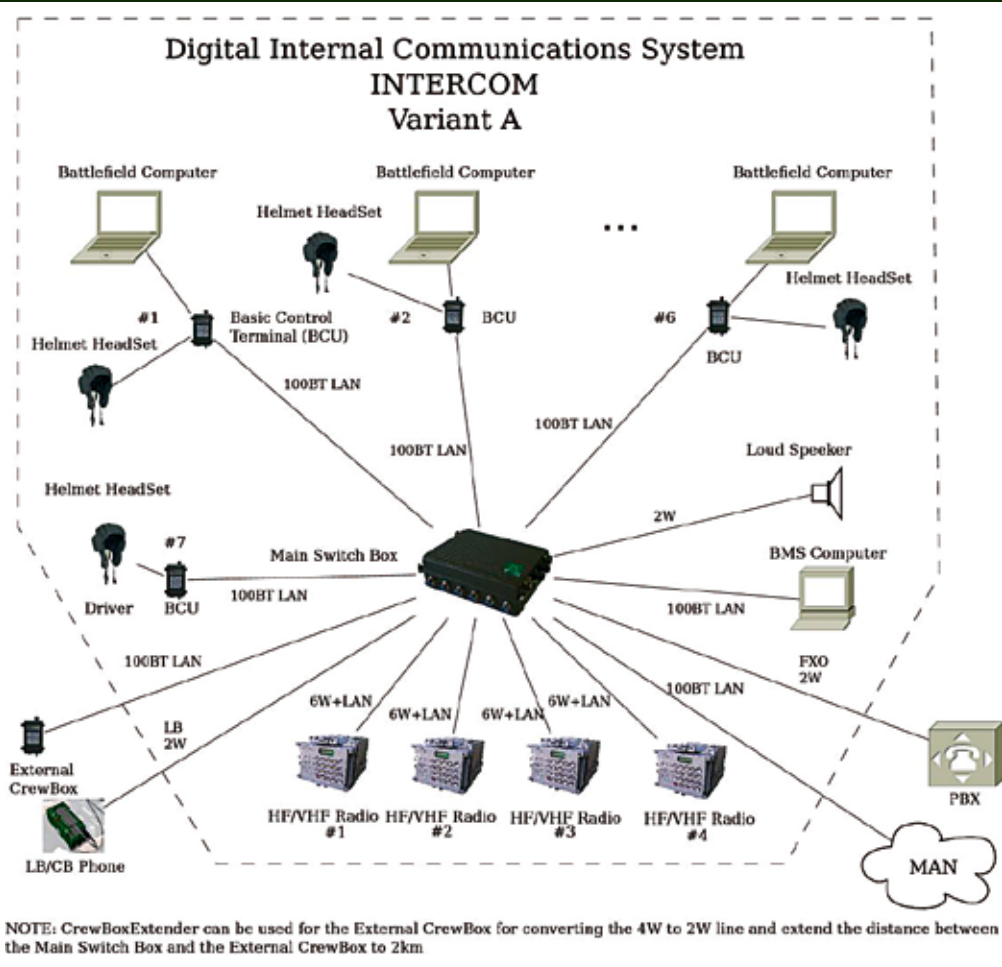
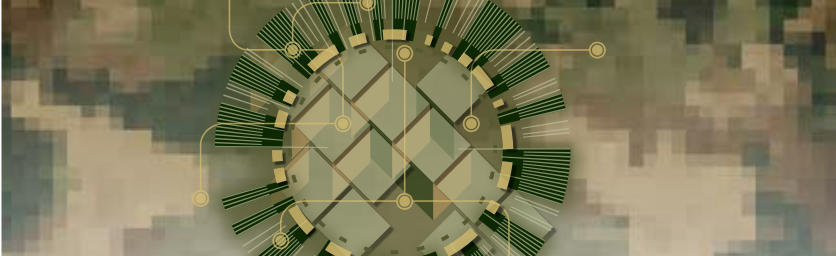
Digital Multiplexers for the Stationary Communication System of Bulgarian Army Digital Multiplexers for the National Railroad Company Dispatching Systems for the Nation Railroad Company Intercom for Bulgarian Army Multi-functional Tactical Communication Platforms

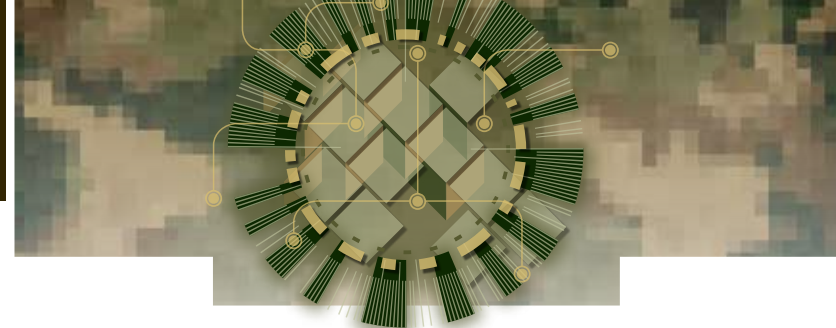
Certificates, Awards, Memberships

- ISO 9001:2015

Contact

ECoCoMS LTD. bul. Tzarigradsko shosse 7km.
BIC IZOT, building 3, floor 4 Sofia, 1784 Bulgaria
e-mail: info@ecocoms.com
www: www.ecocoms.com
tel.: + 359 2 9743929
fax: + 359 2 9743986





ELECTRON CONSORTIUM JSC

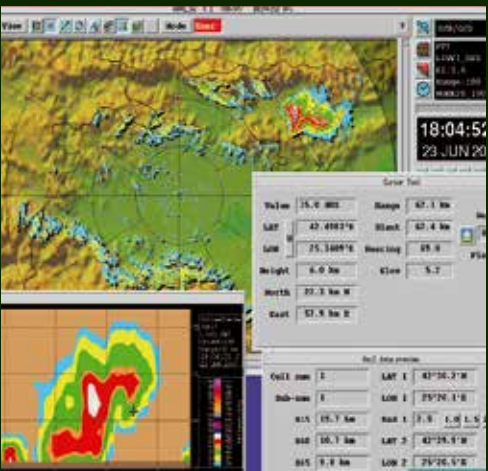
Dr. Eng. Ivan Stoyanov - Executive Director

Core business/Main Activities

Electron Consortium is a private joint stock company established in 1991. The field of activities of Electron Consortium JSC includes marketing, design, production and services in the field of telecommunication, meteorological radar systems, electronics and radio equipment. Electron Consortium JSC has highly-qualified specialists which allows the integration of target workgroup for specific orders. Electron Consortium JSC has research and development facilities, equipped with modern measuring equipment, and highly technological production facilities for assembling PCBs, including SMD assembly and lead-free technologies.

Products & Services

1. Design, production and installation of the technical equipment of the national meteorological hail suppression system, which includes:
 - Dual band Doppler Digital meteorological radars MRL IRIS, working in a TCP/IP communication network for real time transfer of radar information;
 - Communication and information system for command and control of the fire with anti hail rockets;
 - Automated rocket launchers;
 - Software for fire control.
2. Services of the meteorological radars and TCP/IP communication network.
3. Services of the technical equipment of the communication and information system for command and control of the fire with anti hail rockets.
4. Design of installation projects and integration of military communication vehicles.
5. Design and production of specialized radio communication equipment.
6. Assembly of PCBs, modules and whole products using 3 Pick&Place automatic machines for SMD assemblies.



Certificates, Awards, Memberships

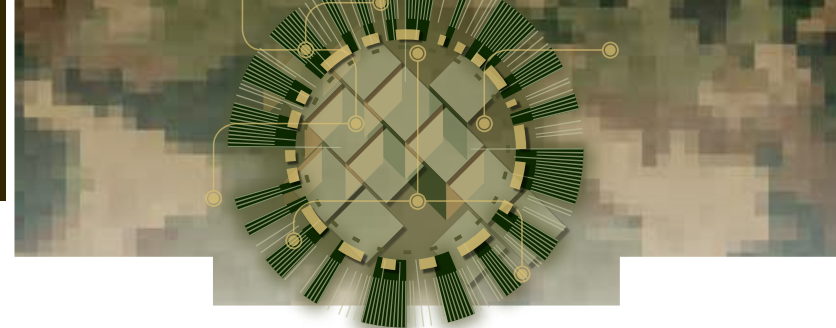
Electron Consortium JSC has a working quality control system ISO 9001:2015 certified by Bureau Veritas.

Contact

1 Kukush str., Sofia 1309, Bulgaria
Phone: +3592/920 81 60
Fax: +3592/821 13 60
E-mail: office@electron-bg.eu
Web: www.electron-bg.eu



Electron Progress EAD



ELECTRON PROGRESS EAD

Krassimir Pingelov - CEO

Core business/Main Activities

Electron Progress EAD is an engineering company and system integrator, part of the Bulgarian Defense Technological Industrial Base (BDTIB) and is the successor of the former Institute of Special Electronics (ISE), founded in the late 60s of 20th century. At present, the company is the leading integrator of C4I (command, control, communications, computers for intelligence) for the Ministry of Defense as well as complex communications and information systems for the Ministry of Interior, Ministry of Transportation and Information Systems and other governmental and private organizations and bodies.

The company employs world class specialists in the area of CIS for defense, security and information systems. They have received training and education at global leading partner companies.

Products & Services

Electron Progress has an extensive experience and unique know-how in the development, design and implementation of communications and information products and systems. The company has a patent in the field of improvised explosive devices (IED) counter measures. All of the company employees have „Secret“ level national security clearance and many of them have NATO „Secret“ level security clearances. Electron Progress EAD designs and acquires new products, systems and services such as:

- Turn-key solutions in the field of tactical communications and information networks
- Experience in installation and systems integration of C4I solutions, telecommunication and IT equipment incl. tactical radios, microwave radios, satellite systems and network equipment, on different vehicular platforms
- Local assembly and manufacturing of tactical radio and other communication equipment
- Customization of communications, IT equipment and cable harnessing according to the Bulgarian customer's needs
- Local warranty and after-warranty repair, support and maintenance, training and consulting activities
- Local offset and industrial partnership capabilities



Projects, References

Electron Progress EAD has experience and has successfully implemented projects as a prime-contractor or as a sub-contractor and related to:

- Telecommunications Backbone System for the Ministry of Defense
- Joint Operational Center for the Ministry of Defense
- Integrated digital fire control system
- Maritime Surveillance System
- Mobile Coastal Surveillance Radar
- Tactical Operational Centers and tactical communication equipment for the needs of the Bulgarian Land Forces
- Vehicle architecture design and delivery of the radio communications part of tactical communication information system
- Systems integration of communication networks owned by the State Administration the Council of Ministries
- Data centers infrastructure set up for the Bulgarian NSA
- Electronic Counter Measure Systems against Remotely Controlled Improvised Explosive Devices
- Refurbishment of National Assembly building (electrical and power supply systems, building management and sensor systems - access control, fire warning, CCTV, etc.).

Certificates, Awards, Memberships

The company is certified according to ISO 9001, ISO 14001, ISO 18001, ISO 27001, NATO Alliance AQAP 2110 quality standards. The company has signed Basic Ordering Agreement (BOA) with the NATO Communication and Information Agency (NCIA). It is also licensed for trade in arms and dual-use goods. Electron Progress EAD has certified facilities for processing of national and NATO classified information up to the „Secret“ level. The company has also a certified by the Bulgarian NSA local area network for processing of classified information.

Contact

1309 Sofia, Bulgaria
15, Zografski manastir str.,
City Park Building, fl.8
Tel: +359 2 81 27 200
Fax: +359 2 82 11 284
E-mail: office@eprogress.bg
www.eprogress.bg

EXPAL

EXPAL BULGARIA
JSC.*Eng. Rada Markova, General Manager***Core business/Main Activities**

Expal Bulgaria JSC is a special manufacturer of:

- Industrial explosives;
- Charging of ammunitions;
- Utilization of ammunitions.

EXPAL Bulgaria JSC owns technical facilities, technological knowledge, logistic capacities and a big experience in providing services for the safety, secure and environmentally friendly disposal of all kind of NATO and Warsaw artillery, air and naval ammunition, including white phosphorous ammunition and cluster ammunition.

The company has technical capacities and experience for the production of High Explosive products and components by pressing and casting of TNT, RDX and Composition-B, as well for the loading of White Phosphorous ammunition and components.

Products & Services

- Powder explosives;
- ANFO explosives;
- Pressed and cast boosters;
- Hand grenades;
- Filling of ammunitions with HE and WP.

Projects, References

EXPAL Bulgaria JSC is part of MAXAM Group, which has more than 140 companies worldwide and production facilities in more than 40 countries.

Today, EXPAL Bulgaria JSC has one of the most modern demilitarization and utilization facilities in Europe, and the experience of an engineering team with more than 25 years experience in such kind of activities.

The modern equipment and processes allows also the recovery, recycle and reuse (R3) of the ammunition energetic components for the production of civil explosives.

Certificates, Awards, Memberships

EXPAL Bulgaria JSC applies integrated management system audited by Lloyd's Register Quality Assurance and found in compliance with the international standards ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 and AQAP 2110

Contact

5309 Charkovo, Bulgaria
Tel: +359 66 81 98 98
Fax: +359 66 80 16 99
E-mail: expal-bg@expal.biz





HIGH-TECH IMS LTD.

Stefan Vodenicharov
Company Management

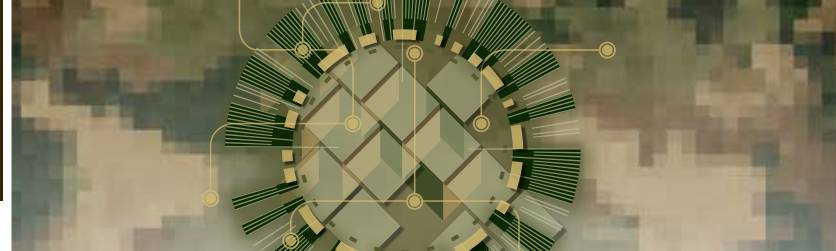
Core business/Main Activities

On the base of more than 50 years' experience we are developing products and systems against threats on air, land and water. Our last developments: underwater and surface control of the systems with own innovative technologies for hydroacoustic, radio and satellite communications are at the highest level in international market. The company is a member of the Bulgarian Defence Industry Association.

Products & Services

Products and systems against invasion by water:

- Complete Harbor Protection Systems;
 - Family of sea mines (anti-invasion mines, bottom mines, diversion („Limpet“) mines);
 - Gateway Hydroacoustic Buoy and complete Hydro-acoustic management systems;
 - Underwater grenades;
 - Jammers against underwater communications.
- Products and systems against invasion by land and air:
- Families of: Anti-Tank Mines; Anti-Transport Munitions; and Anti-Helicopter Mines;
 - Remote controlled ignition systems;
 - Armors for light and heavy armored vehicles;
 - Sensor Security and Protection Systems of Critical Infrastructure.



Projects, References

HIGH-TECH-IMS LTD was involved in several international R&D defense projects:

- NATO Programs for: Protection of helicopters against RPGs; Harbor protection against terrorist actions; Development of anti-personnel mines alternative;
- GD „Home Affairs“, EU Commission - Security Systems against multilateral terrorist threats.

Certificates, Awards, Memberships

The company is certified under requirements of ISO 9001:2015.

Contact

Bulgaria, Sofia, 1574, 67 Shipchenski prohod blvd.
Tel.: + 359 2 46 26 200;
Fax: + 359 2 46 26 300
E-mail: stvims@yahoo.co.uk;
Website: <http://www.high-tech-ims.com>





INTENDANTSKO OBSLUJVANE JSC

Emil Stoyanov Botov - CEO

Core business/Main Activities

Intendantsko Obslujvane JSC, has the following scope of activity: production and commercial activities, engineering and implementation, design and construction and technological activities in the area of manufacturing of uniforms, special and work clothing, civilian clothing on a standard, military field property and parachutes, technical assistance and training and other industrial activities.

Products & Services

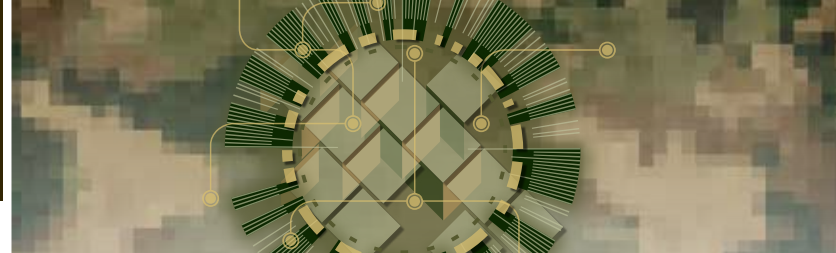
The company produces tailor-made garments of the military personnel. It also produces all garments for the representative guard: redcoats, hats and overcoats. The camouflage clothing for Bulgarian army is produced entirely by Intendantsko Obslujvane JSC. In 2016, a new model of camouflage clothing was introduced to the production process.

Certificates, Awards, Memberships

CERTIFICATE FOR INDUSTRIAL DESIGN:
N-8828/10.04.2019

Contact

1606 Sofia; 48A Vladayska Str.
Telephone: +359 2/ 952 52 15
Fax: +359 2/952 52 57
E-mail: zu.sofia@intob.bg
www.intob.bg
Branch: 4370 Kalofer, 50 Hr. Botev Str.





INTERCONSULT BULGARIA

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Stoyan Boev - CEO

Core business/Main Activities

InterConsult Bulgaria Ltd (ICB) is a leading Bulgarian software solution provider with more than 24 years of market presence. Our core competencies are Digital Transformation, Industrial Internet of Things (IIoT), as well as Augmented Reality (AR) and Virtual Reality (VR) application development. We focus on C#/.NET development and applying the Microsoft technology stack. ICB is a Microsoft Certified Partner (MCP) company with Gold Application Development, Silver Data Analytics, and Silver Datacenter competencies. In 2016, ICB was selected by Microsoft to co-found and run the Microsoft Innovation Center in Sofia Tech Park, Bulgaria together with Microsoft Bulgaria.

Products & Services

Industry4SME

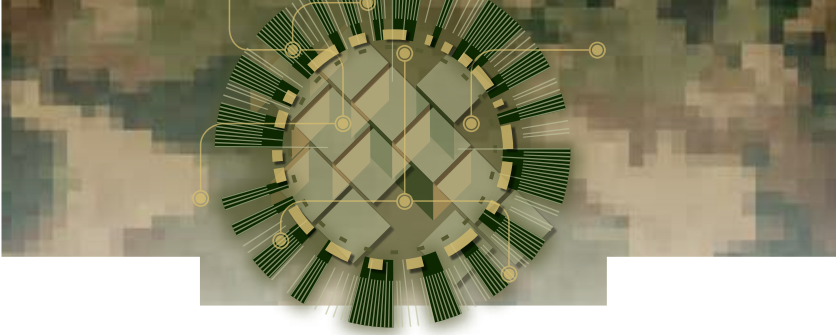
Industry4SME drives digital transformation of the production in the direction of smart maintenance, digital supply chain, and new data-driven business models.

Industry4SME inter-connects business-level software systems (such as ERP, PLM, CRM) with operational data from the field, thus allowing observed manufacturing operations to be compared against planned.

agileMode

Competitors are becoming quicker to adapt. Industries are changing more often than ever before. Today, business users can no longer wait for IT to deliver on their needs - and want to be in control of their own solutions instead.

agileMode is a software platform for business process automation. It separates an organization's business processes from the underlying IT systems they are executed in, so as to enable the next level of flexibility and adaptability.



Projects, References

Malware Protection System

The system scans files, using Bit Defender, on a network drive or USB stick-and creates a digital signature on files that were marked safe. Only files with that digital signature can then be recognized by the vessel's control systems. Meaning that viruses and malicious code, present or not, is kept away from critical control systems equipment.

Kognifai IoT Platform co-developed with Kongsberg Norway, all rights reserved to Kongsberg

Developer ecosystem and software platform for information management and decision support applications for the maritime and offshore, subsea, oil and gas, drilling and wells, renewables, and utilities industries.

Certificates, Awards, Memberships

- ISO 9001: 2008
- ISO 27001

Contact

ICB Office:
www.icb.bg
icb@icb.bg
+359 2 920 11 20
ICB Sales Department
sales@icb.bg
+359 2 812 92 16



45



INTERNATIONAL ARMORED GROUP

Dr. Anton Stefov - CEO

Core business/Main Activities

International Armored Group is a quality conscious armored vehicle manufacturer with over 20 years of experience specializing in the field of designing engineering, prototyping and manufacturing of armored commercial and tactical vehicles.

As proof of our company's capabilities, in April of 2010 International Armored Group became one of the world's first armored vehicle manufacturers to construct a fully certified armored vehicle, the BRV2009 VR7 Toyota Land Cruiser 200, accredited by Beschussamt Mellrichstadt to protect against high-powered rifle fire and improvised explosive devices (IEDs).

Our global footprint enables us to supply North American, European, Gulf Country (GCC) and Right-Hand Drive type vehicles.

With locations in the United States, Canada, United Kingdom, Turkey, Bulgaria, United Arab Emirates, South Africa, Pakistan and Iraq, International Armored Group remains dedicated to producing the highest quality armored vehicles together with on-time delivery and professional service.

Products & Services

The company offers an impressive number of 90 different vehicle models in its portfolio covering segments such as Tactical Response Vehicles, Armored Personnel Carriers, Riot Control Vehicles, Cash in Transit Vehicles, Ambulances, Armored SUVs and Luxury Sedans to name a few.

Projects, References

Today, thousands of vehicles bearing the IAG logo are operating in some of the most hostile zones in the world; a testament to the class leading quality that IAG's clients have come to expect from us over the years. Our exclusive SmartArmor™ technology featured on our entire product portfolio has a proven track record, with regards to defeating the most typical, as well as the rarest of attacks. Our safety record is second to none with designs amongst the best in the industry today.

Certificates, Awards, Memberships

- ISO 9001:2008 Quality Management System
- VPAM BRV 2009 VR7
- STANAG 4569, Level 2 and 3

Contact

Samokov 2000, Sofia obl.
pl. Zahari Zograf, №1, 1st floor
Mob: +359 88 8721748
e-mail: info@interarmored.com
www.interarmored.com





INTERNATIONAL POWER SUPPLY AD

48

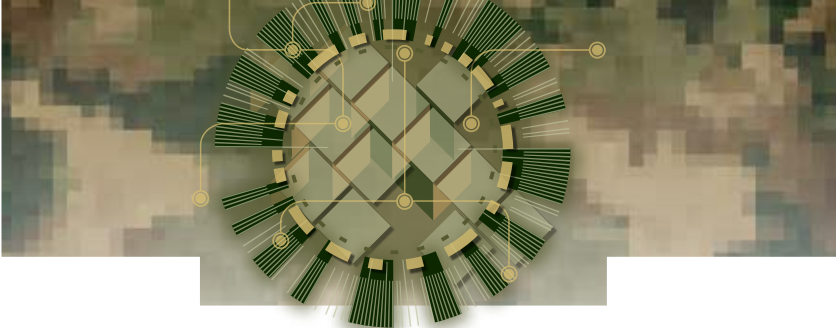
Alexander Rangelov, CEO

Core business/Main Activities

International Power Supply AD (IPS) is a company with a 30 years of experience in the field of manufacturing and development of power supply products and provides customized solutions for autonomous electrification of remote locations without access to grid or bad grid for various areas - defense, telecom, oil & gas and residential.

Products & Services

The product portfolio has more than 33 products including rectifiers, inverters, frequency converters, outdoor A/C solutions. IPS has specifically developed solutions for the Defence area, based on the top innovative EXERON technology (EES Award and US Patent). EXERON successfully provides power supply for remote military bases and TETRA. The main advantages for defence applications include uninterruptible operation under harsh ambient conditions (heat, sand, dust, humidity etc.), maintenance free, mobility and cloud monitoring software. The company has 24/7 available technical support hotline and international network of certified partners providing local service and maintenance.



Projects, References

IPS has implemented projects in 58 countries on all 7 continents. Among our clients are: NATO, Saudi Aramco, Siemens, Armed Forces of (Paraguay, India, Egypt, China) and many others.

Certificates, Awards, Memberships

IPS manufactures all of its products under the NATO Military standard for quality AQAP 2110 and ISO 9001 - 2015.

Contact

a: 111, Obikolna Str. 1582 Sofia, Bulgaria
e: info@ips-group.net
t: +359 2 426 54 10
w: www.ips-group.net
w: www.exeron.com



49



KINTEX SHC

Javor Stoykov, Executive Director

Core business/Main Activities

KINTEX Share Holding Company was established in 1966. The company has more than fifty years of experience in foreign trade with the entire range of military products and defense technologies.

KINTEX is 100% Government Company.

HISTORY

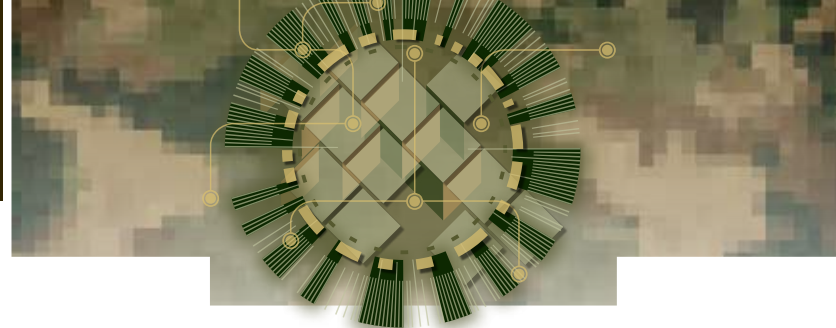
In the first two decades since the company's establishment the Bulgarian defense industry has developed intensively, and has produced a wide range of high-quality products as demanded within the framework of the former Warsaw Pact.

TRADITIONS AND EXPERIENCE

For more than 50 years Kintex has been involved in trade with defense equipment, technical assistance and technology transfer, and has completed numerous contracts with countries in Africa, Asia, Middle East and Latin America.

INTERNATIONAL COOPERATION

Kintex traditionally maintains friendly relations and trusted partnership with governmental institutions, army and police forces commands from all over the world.



Products & Services

The main activity of Kintex is supply with military equipment to all branches and services of the Armed Forces, including:

- Armament, ammunition, surveillance equipment;
- Communication, radar and localization equipment;
- Upgrade, maintenance and repair of tanks, armored vehicles, helicopters and aircrafts;
- Spare parts for a wide range of military systems;
- System engineering, project management, technical assistance and technology transfer;
- Training and training devices.

All our products and projects are specifically designed, and intended to operate within a wide range of geographical locations and climatic conditions.

Projects, References

Artillery automated fire-control system-VULKAN:

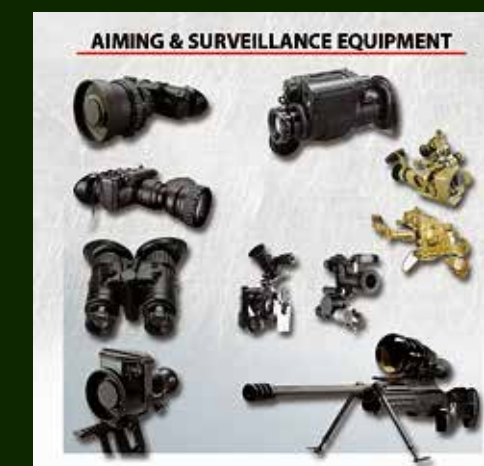
- Automated artillery battalion fire control system AMLRBPCS Vulcan-R
- Automated Mortar Battery Fire Control System (AMBPCS) Vulcan-M
- Automated Self-propelled Artillery Battalion Fire Control System ASABPCS Vulcan-C
- Automated towed artillery battalion fire control system Vulcan-B

Certificates, Awards, Memberships

The company has been certified in accordance with ISO 9001:2015, TUV Rheinland

Contact

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Tel.: +359 2 866 23 11
Fax: +359 2 963 11 23,
+359 963 16 12
e-mail: minkin@kintex.bg





KONTRAX JSC

52

Nikolay Jordanov, CEO

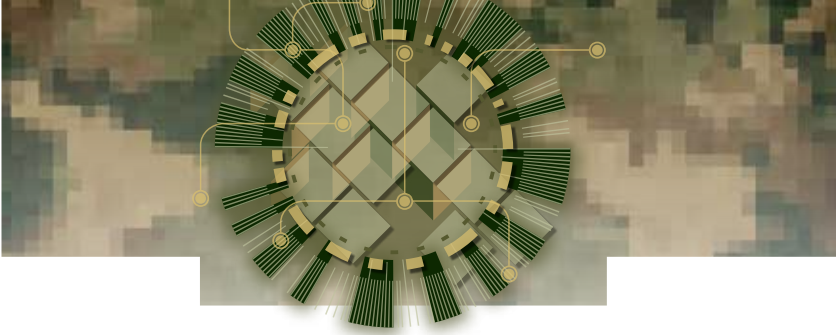
Core business/Main Activities

KONTRAX JSC is a leading system integrator in Bulgaria and one of Top 10 companies on the ICT market in the recent years according to the IDG ratings. KONTRAX JSC is exclusive partner for Bulgaria of the US Corporation General Dynamics and offers wide range of products and services in the field of defense and public safety.

KONTRAX is also a group of companies specialized in ICT, software development, distribution, engineering, outsourcing, Internet delivery, stationery and furniture, congress tourism and manufacturing. The wide range of products and services as well as the level of professional qualification of the team allows the implementation of complex projects. Among its clients are the biggest public and private organizations. The company has implemented many projects in the Balkan countries, as well as in the Republic of Mongolia.

Products & Services

- System Integration
- Cyber security implementation
- Localization and implementation of C4I
- Implementation of satellites ground stations
- Control centres and emergency operations centres
- GPS tracking system for special-purpose vehicles
- Data centers, Servers, storages, TEMPEST computers, printers, copiers
- SCS, Fiber optic, LAN/WAN/MAN, VPN, telephony, VoIP, Call/Contact Centers, BMS
- Information systems development and database design
- Digital transformation of the organization
- Mission critical service and support - up to 24x7x365
- Representative of defence contractors (exclusive partner of General Dynamics for Bulgaria)
- 3M Safety Solutions for Law Enforcement



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Projects, References

- Implementation of Emergency phone number „112„ in Bulgaria
- Border police - database with security features of travellers documents (ID cards, passports)
- Automated system for CCTV and IR surveillance of the Bulgarian-Serbian border in the region of Kalotina
- GPS tracking system for special-purpose vehicles for Ministry of Emergency Situations and General Directorate Security
- Aerospace monitoring Centre for the Ministry of Interior
- Implementation of Cyber security systems for various public and private customers - Encryption, Platform Security, Data Security, Network Security and adaptable security capabilities
- Intelligent transportation systems - traffic counting, vehicle classification and road weather systems, RIA Bulgaria
- GIS system for National Rail Infrastructure Company
- Automated monitoring system for vehicles for the Ministry of Roads and Transportation of Mongolia
- Traffic Management Center for Sofia municipality
- Flood Forecasting and Early Warning System

Certificates, Awards, Memberships

- AQAP „D“:2016
- ISO 9001:2015
- ISO 27001:2013
- ISO 14001:2015
- OHSAS 18001:2007
- ISO 20000-1:2011
- CompTIA A+
- Certificated to work with classified information - level „Secret“
- NATO Secret Certificate
- 350+ qualified and motivated employees (PMP, BA, MCPD, OCP, ISTQB and other certifications)

Contact

13 Tintyava Str., 1113 Sofia, Bulgaria
Tel.: +359 2 960 977
Fax: +359 2 960 9797
E-mail: defence@kontrax.bg



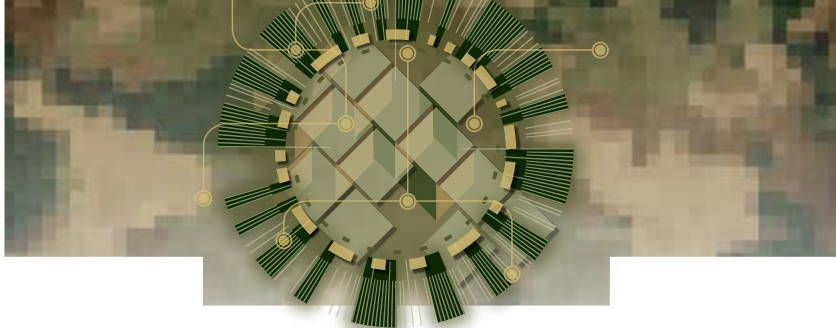


LASA ENGINEERING LTD.

Venelin Djourov, Managing Director

Core business/Main Activities

LASA Engineering Ltd (LASA) offers solutions for implementing critical systems in aviation, defence and security sectors, integrating mature and innovative technologies. The company specializes in delivering modifications and/or upgrades to reconnaissance and surveillance airborne platforms via system integrations enabling their use in wide variety of roles. LASA provides upgrades and tailor-made turnkey solutions for airborne ISR and COIN operations into a wide range of fixed- and rotary wing platforms, both manned and unmanned. It is our mission to consult and support our clients during the procurement process, the system architecture design, to the delivery of a ready-to-fly platform, and to support in training and initial operational phase. Based in the town of Kazanlak, located in the Valley of Roses - the very heart of Bulgaria, LASA operates its own airfield, production and test facilities including a 2.2 km runway.



Products & Services

One of the latest solutions offered by LASA, developed in close cooperation with one of our strategic partners, is the Targeting and Reconnaissance Pod (TR-POD). The TR-POD, besides ISR capabilities, includes all the equipment required for rapid execution of the complete targeting cycle. The pod constitutes an easy ISR and Targeting upgrade for the existing fleet of aircrafts. It needs no airframe modifications and can be mounted on any aircraft equipped with NATO 14" or Warsaw Pact 250mm standard hard points. With this new **TR-POD** every aircraft and helicopter equipped with hard points can be a surveillance aircraft instantly. Although the **TR-POD** is an „out of the box solution“ it turns out to be very flexible in fulfilling special customer needs. On the basis of „Plug & Fly“ the customer is able to add ISR capability to his fleet. The light weight carbon fibre pod carries a complete surveillance mission architecture which upgrades any aircraft to an ISR platform in less than 1 hour. It offers room for an EO/IR Gimbal, Downlink, Uplink, Moving Map, Augmented Reality System and COMINT/SIGINT equipment.



Certificates, Awards, Memberships

- Certified Aviation Engineering Staff, Export Licence - 03.09-85-1/29.06.2016

Contact

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Tel.: +359 2 452 19 07
Production: Kazanlak Airfield, 2 Izvora str.,
6100 Kazanlak, Bulgaria,
office@lasaeng.eu;
info@lasaeng.eu





LIREX BG LTD

56

Manol Iliev, CEO

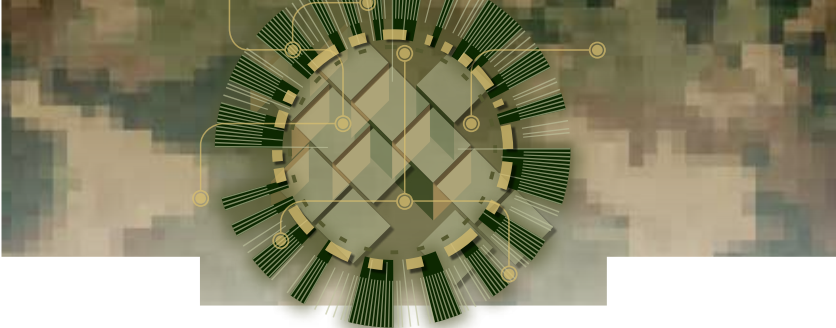
Core business/Main Activities

Lirex BG Ltd is a leading regional system integrator, with focus on Consulting, Outsourcing and Technology services. The company offices cover effectively Bulgaria. Lirex BG Ltd has international office presence in Belgium, Germany, UK, Serbia, BiH, Macedonia, Turkey, and US subsidiary under preparation.

The engineering resource team consists of >300 employees, possessing 500+ certificates. The company has more than 60 experts with NATIONAL and 40 with NATO SECRET personal security clearances.

Lirex BG Ltd has in place basic ordering agreement with NATO - NC3A/BOA/13104 from 2010 and has been employed on prime- and subcontractor basis working for NATO in 8 NATO Nations.

Lirex BG Ltd has long-standing partnership agreements with worlds' most prominent IT vendors - HPE, Cisco Systems, Oracle, Microsoft, VMWare, VEEAM, IBM, Fujitsu, Symantec, CheckPoint, Sophos, ForgeRock, Polycorn and many others.



Products & Services

System Integration Services
Lirex BG delivers complete enterprise architecture services by successfully combining new solutions with established ones into a single, seamless system. Strategic partnerships further enable it to deliver cost-effective integration services that are not only robust, scalable and innovative, but also results oriented. Being a pure system integrator, Lirex is able to deliver the best of breed solutions to customers with vendor agnostic, innovative, and pragmatic approach.

IT Security Services
Lirex BG provides a full range of IT security services to help customers define their strategy, identify threats and risks, and ensure operational readiness. The company's team of security experts includes specialists in almost every aspect of cyber security. From workshops to full security assessments, from technology installations to architecture implementation, Lirex offer IT security services with the depth and breadth required to operate successfully in an interconnected world.



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Projects, References

- NATO CO-14287-ITM-M, PROVIDE EQUIPMENT AND SERVICES FOR ITM MITIGATION MEASURES, Procurement of Hardware and Software - Server Equipment, 2016 present, Prime Contractor;
- NATO CO-14480-ACCS, Provision of Oracle Netra Servers for ACCS DARS Security Upgrade, 2017, Prime Contractor;
- DKIS-Mol, Bulgaria: Supply, installation and integration of equipment and software for protection of information exchange between Bulgarian justice agencies, Europol and other EU institutions, 2017-2018, Prime Contractor;
- Ministry of Foreign Affairs, Bulgaria: Building of AIS for processing classified information for Permanent Delegation of Bulgaria to NATO, Lot1, 2018, Master Contractor;
- NATO CO-13733-BRASS-BGR, Provide Broadcast, Maritime Rear Link And Ship-Shore Baseline Implementation South in Bulgaria (BRASS-BGR), 2018- present, Subcontractor to Page Europa s.r.l.;
- NATO CO-14633-AAS, CO-14633-AAS, 2019 - 2023, Subcontractor to NCIM Groep and ATOS Belgium.

Certificates, Awards, Memberships

Lirex BG QMS is certified according to following standards:

- ISO 9001:2015
- ISO/IEC 27001:2013
- ISO/IEC 20000-1:2011
- ISO 14001:2015
- OHSAS 18001:2007

Lirex BG possesses security facility certified according to BG SECRET and NATO SECRET.

Membership in Bulgarian Association of Information Technologies (BAIT), AFCEA, Cybersecurity Tech Accord.

Contact

Lirex BG Ltd Headquarters address:
Mladost 3, bl.306, Sofia 1712, Bulgaria
Tel: +359 2 9 691 691
Fax: +359 2 9 691 692
Email: sales-intl@lirex.com - International Sales Team;
NATO-ICB@lirex.com - NATO Tenders Team



LUMYCOMP DESIGN LTD.

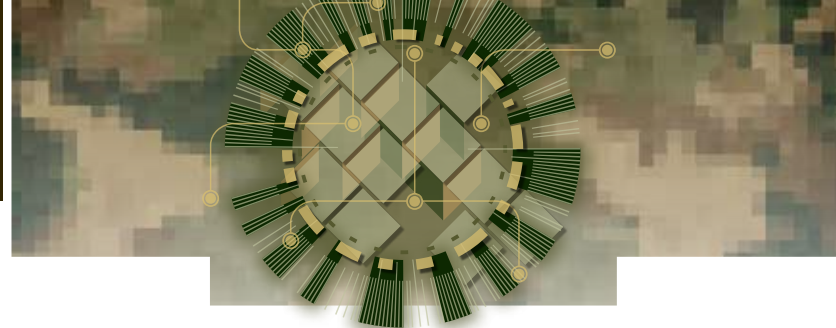
Dip. Eng. Krassimira Ivanova, CEO

Core business/Main Activities

Research, design, production and delivery of electronics for LED illumination control, Power Supplies for electronics, protection devices - overvoltage and surge protection, Aerospace electronic equipment and electro-discharge protection.

Products & Services

PWR units, protection devices, LED drivers, LED emitters, LED engines, aerospace data processing, specialized illumination, horticultural modern space-lab equipment.



Projects, References

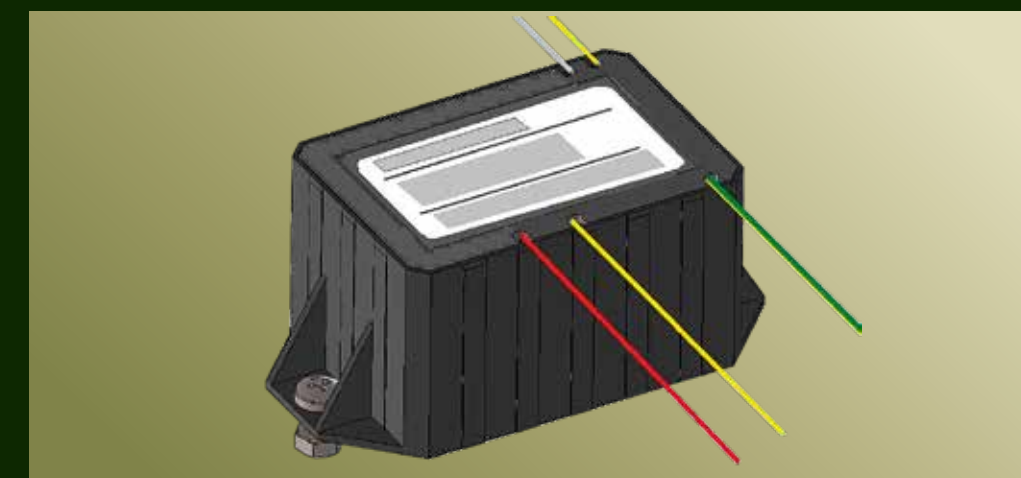
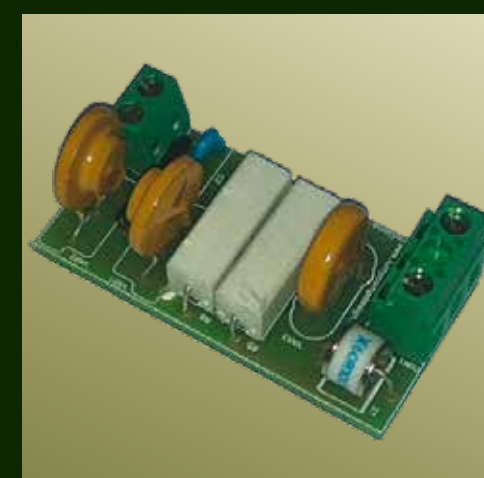
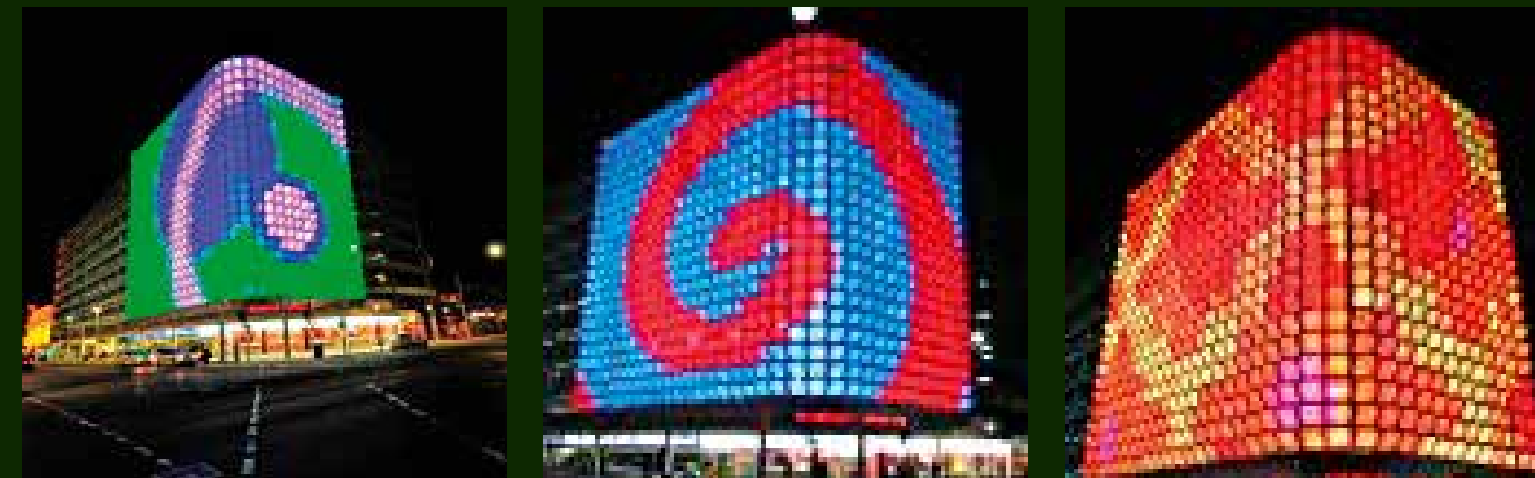
Dexia Tower (Brussels) illumination, Nuclear Reactor - Sofia perimeter protection illumination, Nuclear Power Plant Reactor services high-reliability illumination, horticultural installations in Italy, Canada, USA. Warehouse low temperature -40C deg illumination. High Power light non-lethal weapons blinding emitters (for naval applications and helicopters), non-lethal electro surge security devices, tasers.

Certificates, Awards, Memberships

- CREE Inc (USA) LED Solution Provider for Europe.

Contact

Office ; info@lumycompdesign.com,
Magnaurska Skola 11, Sofia, Bulgaria, EU.
R&D Director - alexander.balevsky@lumycompdesign.com,
Phone: +359887506818





MARS ARMOR LTD.

60

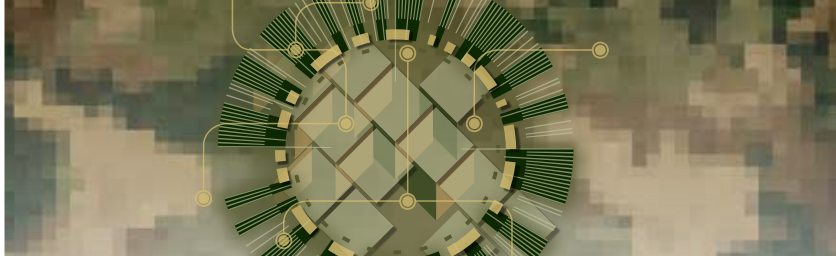
Plamen Tashkov, Ph.D., General Managers
Gergana Tashkova, General Managers

Core business/Main Activities

MARS Armor is a modern private company, specialized manufacturer of bullet-resistance and stab protective equipment for a wide range of uses and environments. The reliability of the production is guaranteed by complying with the international standards, but also by using a perfectly interacting production and control system. The in-house ballistic testing facility guarantees continuous quality supervision from raw materials to final products.

Products & Services

Design and production of wide range ballistic protection vests and carriers;
Design and production of hard armor ballistic inserts, shields, helmets;
Design and production of blast protective & EOD equipment;
Recycling and warranty service of brand products.



Projects, References

Over the years MARS Armor has established a strong international image as a producer of innovative modular and integrated ballistic systems. The company has satisfied customers in over 43 countries worldwide. MARS Armor is well-versed in international import/export regulations, procedures and practices.

Certificates, Awards, Memberships

- ISO 9001:2015 and AQAP 2110 Certificates
- ISO 14001:2015

Contact

2 Poleto, Industrial zone
2230 Kostinbrod, Bulgaria
Phone: +359 2 439 90 88
Fax: +359 2 439 06 11
E-mail: web@marsarmor.com
Website: www.marsarmor.com



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MTG - DOLPHIN PLC

Svetlin Stoyanov, Executive Director

Core business/Main Activities

„MTG - Dolphin“ plc was established in January 1991. For the last almost 30 years the company has gained strong positions on the international market and earned a reputation as a reliable partner in the shipbuilding and ship repair business sector.

Products & Services

The production and resource capacity of the Yard provide for building of specialized vessels up to 18'000 tons and for repair of vessels up to 60'000 tons.

Projects, References

Shipbuilding

Building of specialized and highly technological ships with complex integration:
Patrol vessels for inland waters, Offshore patrol vessels/corvettes, Sail training vessels, Dredgers, Auxiliary fleet ships, Tankers

Shiprepair

Repair and docking - about 60 vessels of all types per year with total DWT in excess of 1 500 000 t

Conversion

Ships lengthening, widening and retrofitting

Certificates, Awards, Memberships

„MTG - Dolphin“ plc is certified for:
ISO 9001:2008 by LRQA, NATO AQAP 2110 by the Ministry of Defense, ISO 14001 by LRQA, OHSAS 18001 by LRQA
Design and manufacturing by BSR, LR, GL, BV

Contact

8 Drazki Str, 9000 Varna, Bulgaria
Tel.: +35952602074, : +35952739721,
Fax: +35952632963, +35952739747
e-mail: info@dolphin1.bg, office@dolphin1.bg ,
Web: www.dolphin1.bg





MUSALA SOFT

64

Delyan Lilov, CEO

Core business/Main Activities

Musala Soft has been successfully delivering software engineering services to big multinational enterprises and public sector organizations since its inception in the year 2000. About 80% of the company revenue comes from international clients, mainly from North America and Western Europe. The current team consists of more than 500 experts located in 4 offices in Bulgaria and Macedonia. The focus on long-term value-added business relations and the proficiency in working effectively in geographically distributed teams has resulted in multi-year ongoing business with the company's top ten clients with an average tenure of more than 7 years. Musala Soft has been actively participating for years in projects in the areas of Law Enforcement, Defense and Security. This includes identity control and authentication, surveillance systems and 3D simulators. Currently this area is part of the company's growth and investment strategy.

Products & Services

Musala Soft services encompass the whole software engineering lifecycle through the company's established teams and practices for business analysis and product management, software architecture, user experience design, software engineering, quality assurance, DB, DevOps and application management and maintenance. A strong differentiator and competitive advantage for Musala Soft are the long-term experience and the vast expertise in specific and innovative technology areas, including:

- Artificial Intelligence and Machine Learning
- IoT and Wearables
- Big Data and Analytics
- Virtual Reality and Augmented Reality
- Public and Private Cloud Engineering
- Automated Testing
- Enterprise Integration, SOA, Microservices Architecture

Projects, References

Musala Soft long-term clients include enterprises like IBM, VMware, T-Systems, Wacom, ESG Elektroniksystem und Logistik, Experian, Commerzbank, KBC Group, Deutsche Telekom, A1, Telenor and also public sector organizations like the Ministry of Interior of Bulgaria and the National Revenue Agency within the Ministry of Finance of Bulgaria. Sample projects in the areas of defense and law enforcement include:

- 3D Flight Simulator software project for aircrafts and airports within a NATO member country's air force
- video surveillance platform used both in defense and law enforcement institutions in several countries
- large-scale law enforcement system integrating data from many national and European systems in the area of national security allowing for real-time checks and both reactive and proactive measures
- identity control and digital signature solution used for confidential documents and sensitive data

Certificates, Awards, Memberships

- ISO 9001:2015
- ISO/IEC 27001:2013
- ISO 14001:2015
- ISO 26000
- Achieving NATO Secret company certification

Contact

Business Development Department
World Trade Center, 36 Dragan Tsankov blvd.
Sofia 1057, Bulgaria
Phone: +359 2969 5821
e-mail: bizdev@musala.com
www.musala.com



**YOUR TRUSTED PARTNER
FOR SOFTWARE & INNOVATION**

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NIK 47 LTD.

Eng. Nikola Panchev - Manager

Core business/Main Activities

The main activity is production of parts, and assemblies in the area of machine building, device building, electro industry science and defense industry

Products & Services

More than 95% of our products /precise machined parts/ are made by specific orders from our European and American customers.

We work with well known companies all over the world as it brings as up to the highest standards of production, quality assurance and reliability

Contact

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e-mail: office@nik47.com
web: www.nik47.com

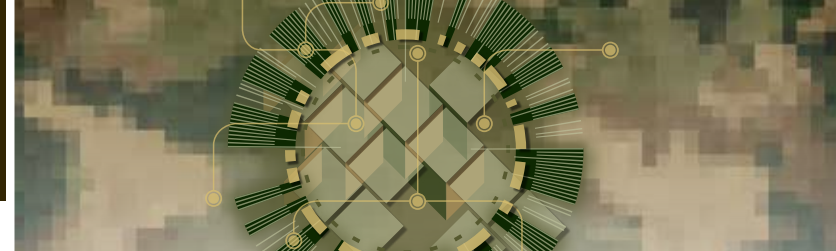
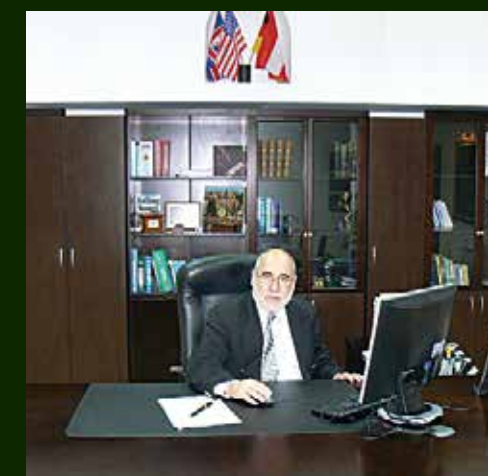
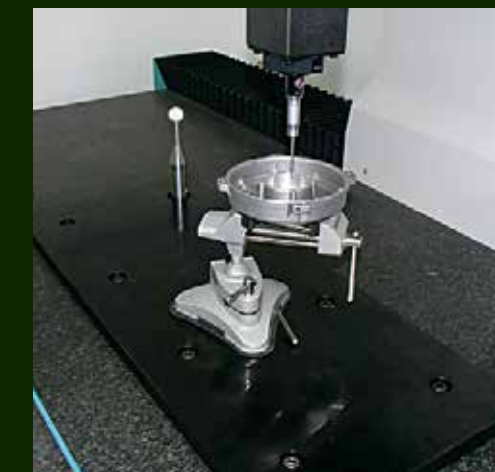


Projects, References

The company has participated in wide variety of international projects such as:

- Spiral 2 in France where main responsibility was production and delivery of vacuum chambers
- XFEL in Germany - managing the waveguide assembly

Certificates, Awards, Memberships



NITI SHC / SHAREHOLDING COMPANY/

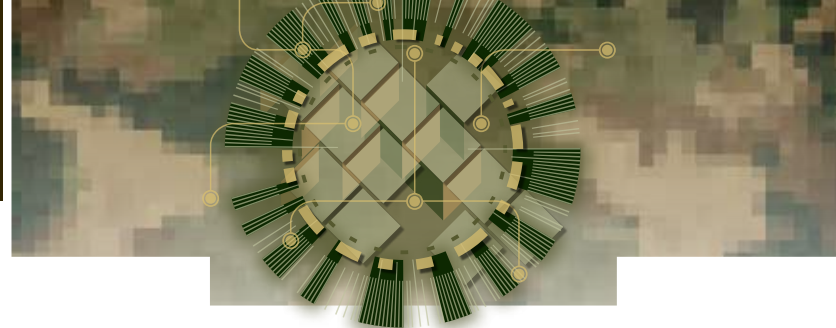
Deljan Nachev
Executive Director

Core business/Main Activities

NITI-SHC-Kazanlak is a leading innovation and technology center, which develops and manufactures military items. The company is State enterprise.

Products & Services

- Aviation time fuse ADZ-5 with universal programmer PP-5
- Flare parachute target SPM-100
- Bomb Flare SPM-100A
- HUNTING RIFLE „MAZALAT” caliber 7,62x54 R - Hunting rifle was developed from Russian carbine „Mosin-Nagant” 1938-1944.
- Hunting and sporting cartridges „BRATAN” caliber 12 and 16
- Stop cartridges - 9x18 „MAKAROV” and 9x19 „PARA”
- Cartridges with rubber shots (PKS-12) and Cartridges with rubber bullet (PKK-12)/- These cartridges are suitable for charging shot-gun „Pump”. It can be used for protection of objects, against disturber the public order and disorders.
- Adaptor caliber .22LR for pistol „MAKAROV”



Projects, References

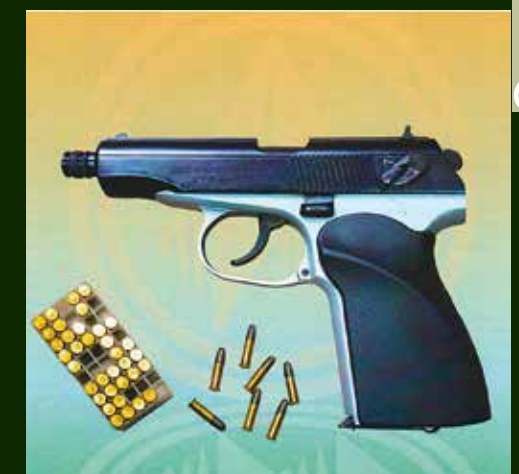
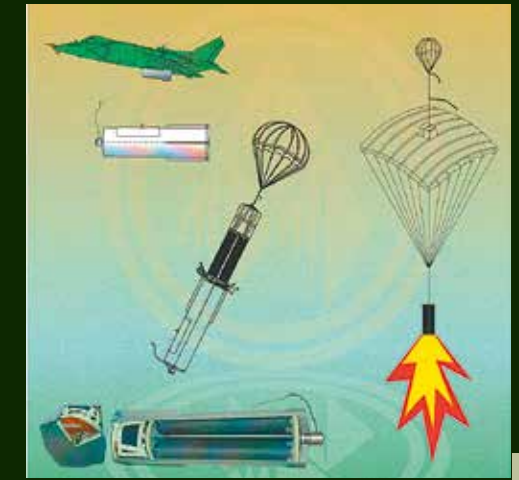
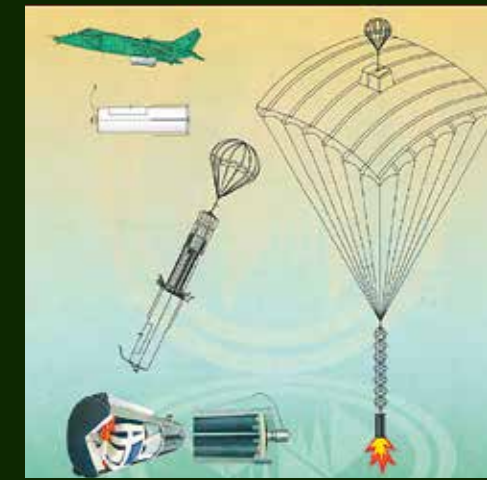
Grant Agreement - On January 18, 2017 the company started the implementation of grant agreement BG16RFOP002-1.001-0013-C01, financed by the ERDF through OP „Innovation and Competitiveness” 2014-2020.

Certificates, Awards, Memberships

- ISO 9001:2015;
- Certificate of Product : „Flare Parachute Target” SPM-100

Contact

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Sale: GSM: +359/885797011
Fax: +359 431/65059
E-mail: nitieadkazanlak@abv.bg





OMNITEL OOD

70

Simeon Angelov
General Manager

Core business/Main Activities

Development, integration and installation and after sales service of defense related systems.

Products & Services

Procurement, assembly, POC, sales, logistics and after sales support of components and systems sourced from Israeli defense industry.

Projects, References

Legal communication interception solutions for Bulgarian Law Enforcement Agencies, GPS covert tracking systems for Bulgarian Law Enforcement Agencies, CyberSecurity systems.

Certificates, Awards, Memberships

ISO 9001:2015

Contact

General Manager,
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71





OPTICOELECTRON

dipl. Eng. Ivan Garchev - CEO
dipl. Eng. Nikodim Kazandzhiev - CEO

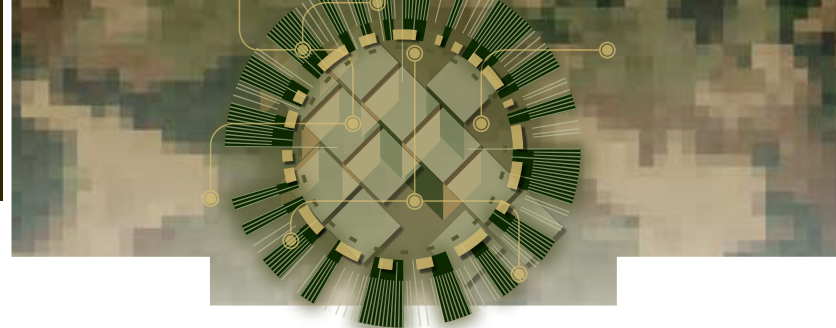
Core business/Main Activities

Since 45 years Opticoelectron was and still is the largest producer of quality optical components and OEM products on the Balkans. Opticoelectron Group JSCo has 700 employees from which 150 highly qualified engineers and Ph.D.'s specialized in designing own products and working on customer request.

The company head office and its premises are in the town of Panagyurishte which is 90 km. south-east of capital city Sofia and 80 km. north-west of Plovdiv (the second largest city in Bulgaria). It is located in an Industrial Park of 260 000 sq.m. where 108 000 sq.m. of the total area are production plots.

Opticoelectron is one of the most advanced companies specialized in optomechanical, optoelectronic and laser devices and systems for defense and security, medicine, device-building, machine-building.

It has a closed cycle of production starting from research and development going through production process to marketing, promoting and trading finished products.



Products & Services

Key defense products in our portfolio are as follow:

- Anti-aircraft and ground artillery sights for firing in daytime and in nighttime;
- Day optical sights
- Night optical sights
- Thermal optical sights,
- Thermal imagers;
- SWIR lenses,
- Laser range finders,
- Laser target designators,
- Tactical flashlights
- Optical systems for armored vehicles,
- Stationary, semi-stationary and mobile video observation and surveillance systems

Key advanced services in our portfolio are as follow:

- Production of precision optical components and assemblies;
- Precision mechanical and optomechanical proceeding;
- Products assembling and testing by NATO standard test laboratory;



Projects, References

It has a closed cycle of production starting from research and development going through production process to marketing, promoting and trading finished products.

Over 97% of total production goes on export to EU countries, North America and the Middle East. Our production is exported to all European countries, Near East and USA.

Certificates, Awards, Memberships

Our certificates are:

- ISO 9001:2015
- ISO 14001:2015
- OHSAS 18001:2007
- ISO/IEC 27001:2013
- AQAP 2110
- NATO SECRET PERSONAL NUMBER
- NGACE NUMBER
- DUNS NUMBER
- NATIONAL CLASIFIED INTERNATIONAL NUMBER

Contact

Hi-Tech Industrial Park „Opticoelectron“
 4500, Panagyurishte, Bulgaria
 Phone: +359 357 64183, +359 357 62254
 Fax: +359 357 64115
 Email: oeg@opticoel.com
 Web page: www.opticoel.com
 dipl.eng. Boyan Garchev - International Business
 Development Director
 Email: boyan.garchev@opticoel.com





OPTIX JSC

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Eng. Ivan Cholakov, Executive manager

Core business/Main Activities

OPTIX designs, produces and markets its own series of thermal imaging and night vision devices, day scopes and integrated systems for strategic surveillance and security for more than 20 years.

The company offers in its portfolio innovative solutions for the sectors of defence, security, nature protection, sport's hunting optics, medicine and industry.

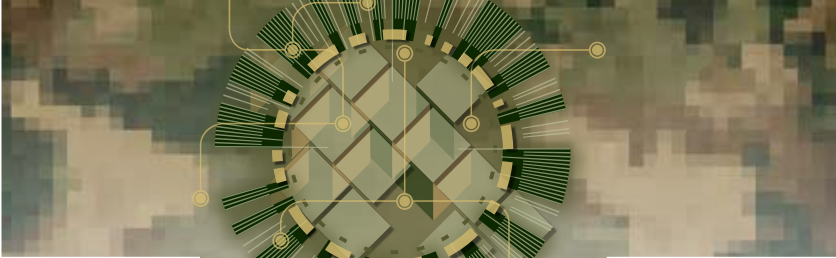
Due to the certified quality standards OPTIX is preferable partner for deliveries of optical, mechanical and electronic assemblies and elements.

The company is selling its production in more than 45 countries from all around the world.

Products & Services

For the defence and security market OPTIX has developed the following equipment:

- BidentifieR series Thermal imaging;
- ZiR series Thermal imaging Clip-ons;
- DIANA IR series Thermal imaging Monoculars/Sights;
- eXviZion series Thermal imaging Handheld cameras;
- IdentifieR series Thermal imaging sights;
- Pagot Thermal imaging sight for grenade launcher;
- DIANA TT night vision Twin tube goggles;
- DIANA M40 night vision Monocular;
- DIANA A Aviators' night vision goggles;
- DIANA Single tube night vision goggles;
- Night vision Binoculars DIANA 3x, 5x, 6x, 10x;
- NVA Night vision Clip ons;
- ONS Night vision Sights;
- Red dot Sights MK-6;
- ODS Day vision Sights;
- PGO Grenade launcher Sights;
- Minion Fixed Thermal imaging Cameras;
- Minion R Vehicle Thermal imaging Cameras;
- Minion DE Thermal imaging Driver enhancers;
- Minion L UAS Thermal imaging Cameras;
- Goliath Uncooled Thermal imaging Cameras;
- HeatseekIR Cooled Thermal imaging Cameras;
- Daybreaker Day cameras;
- Pan/tilt units PAnORAMlx360o series;
- Multi-sensor Systems OPTIX GUARD series;
- Mobile surveillance Systems OPTIX Mobile Guard series



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Projects, References

OPTIX has successfully supplied and integrated border protection systems in eight countries throughout the world. Still OPTIX is the only Bulgarian company nominated for a Security project within the Horizon 2020 programme.

Certificates, Awards, Memberships

OPTIX has introduced a system of quality management that meets the requirements of ISO 9001:2015, ISO 14001:2015, ISO / IEC 27001:2013, BS OHSAS 18001: 2007 and AQAP 2110. The company has acquired clearance certificates for National and NATO confidential information.

Contact

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Fax: +359 357 6 30 97
Email: optix@optixco.com
www.optixco.com





SAMEL-90

Dipl. End. Petar Georgiev
Managing Director

Core business/Main Activities

Samel-90 PLC was established in 1964 aiming at satisfying the needs of the Bulgarian Army for military electronic equipment. Now the company has expanded its scope of activities.

Samel-90's range of Special Purpose Products:

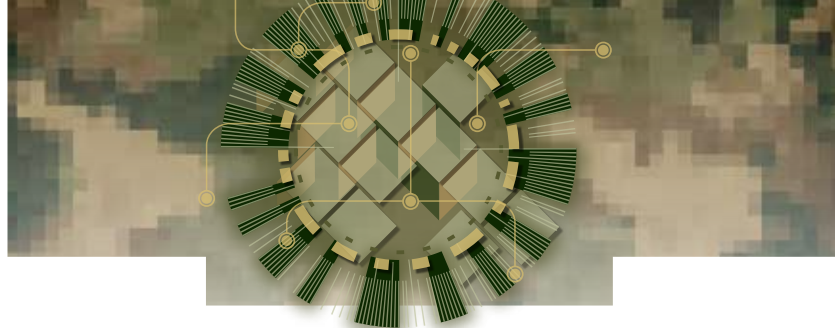
- Mobile, portable, manpack and stationary jamming systems against Remote Controlled Improvised Devices (RCIED)
- Various types cell phone and prison jammers
- GPS jamming systems
- Anti-drone jammers
- HV/VHF artillery radio jammers delivered to the enemy area by artillery rounds 122mm, 130mm, 152mm and 155mm caliber
- Systems for surveillance and guarding of the border areas
- Mobile communication shelters and mobile command post
- Field telephone sets and field telephone switches
- VHF radios
- Launchers for anti-aircraft missile systems (MANPAD): Strela-2M, Strela-3 and Igla-1
- Integrated communication and information systems
- Wide range of Armoured vehicles (APC)
- Parts and assemblies for armoured and other special vehicles
- Integration of special type vehicles

Products & Services

- Manufacturing of electronic assemblies and products
- SMT assembling of the PCBs
- Metal pressing and machining, including CNC machining, bending and laser cutting
- Welding of the steel, ballistic steel, aluminum
- Die-casting of aluminium and zinc alloys
- Pressing and injection moulding of bakelite, plastic and rubber
- Galvanic coating, powder and wet painting
- Painting of the vehicles and big size assemblies
- Sandblasting
- Ceramic parts for armoring of the vehicles and ceramic parts for the bullet proof vest
- Design and manufacture of ferrite, piezo-ceramic and steatite ceramic parts
- Design and manufacture of tooling for all types of processing applied in the company
- Plastic and rubber parts

Samel-90's range of consumer products:

- Energy saving LED lights
- Cash flow devices
- Consumer electronics, including security systems, power supply and charging devices
- Mechanical parts and assemblies
- Racks and shelves for shops



Projects, References

Regarding the range of jamming systems, Samel-90 PLC can provide customizations based on customer specific requirements and applications. At times when the protection of people and public places is of particular importance, Samel-90 is implementing many projects in Europe, Africa, Middle and Far East countries and Asia. Today, Samel-90 continues its way forward following through on its goals, striving to be one of the leading companies in Bulgaria and all over the world.

Samel-90 Company and UAE-based International Armoured Group (IAG) have opened a manufacturing facility to produce various types of armoured vehicles in Samokov, Bulgaria.

The new joint venture company has been called SAMARM. Samel-90 and IAG join their efforts in the development and production of new products for the needs of the Bulgarian army and police, as well as for the needs of the international market. SAMARM company has a capacity to produce between 100 and 120 armoured vehicles annually.

Certificates, Awards, Memberships

Samel-90 PLC is certified by Quality Management and Assurance System ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007. Since July 2004 Samel-90 has been certified according to the NATO standard AQAP 2110.

Contact

18 Prespa St., 2000 Samokov, Bulgaria
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Fax: + 359 722 66 337
Email: office@samel90.com
www.samel90.com



SECURITY SMART SYSTEMS

Ivo Varganov, CEO

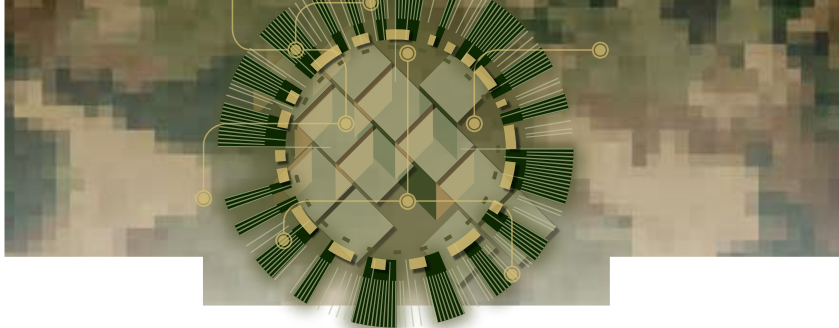
Core business/Main Activities

EMS company manufacturing electronic and electro-mechanical products in 4 divisions:

1. Electronics- SMD and TH assembly of PCB; software load and test; final assembly; laser engraving; coating; packing and labeling; Cable harness manufacturing, battery packs;
2. Injection molding of plastic details up to 1.6kg
3. Forming of metal sheets up to 3mm and powder coating.
4. LED lighting manufacturing

Products & Services

Full manufacturing of finished and semi-finished high reliability devices and modules of electronics combined with mechanical parts. Typical products are interior LED lighting, cable systems, defense products, electronic modules such as power supply, connection boxes, amplifiers, metal antennas for dual use, metal boxes and cases for electronic modules or storage with powder coating.



Projects, References

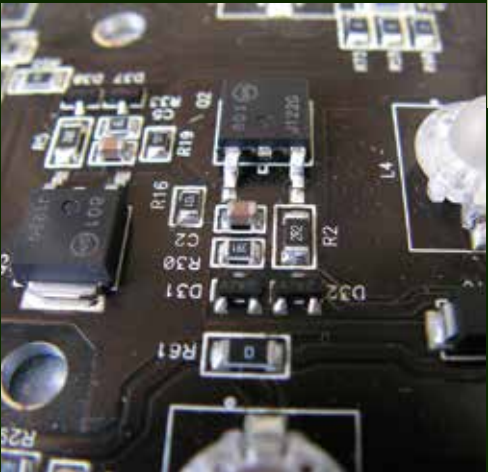
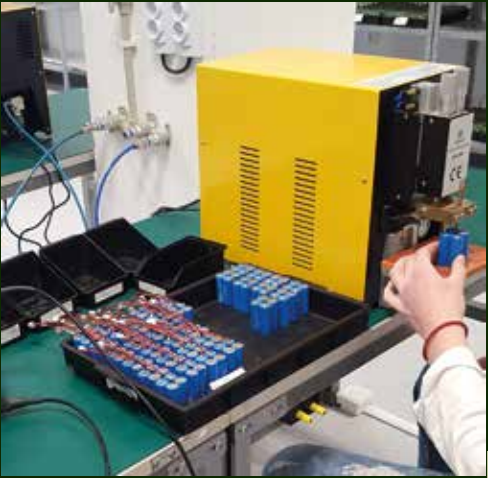
Assembly of electronic communication board for small planes. SMD and TH assembly with cleaning of high frequency amplifiers for AntelopeAudio. Interior LED lighting for BMW. TurnKey exterior vehicle LED blinkers for Dholandia. TurnKey manufacturing of security and alarm systems for TeleTek. Battery packs, Power supply for defence applications.

Certificates, Awards, Memberships

ISO 9001:2015; ISO 14001:2015; BS OHSAS 18001:2007; IPC-A-610G; ESD and RoHS

Contact

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Vratsa 3000, Bulgaria
tel: +359 92 669580
fax: +359 92649370
Project Manager +359883324462





SYNERGY SIMULATION & TRAINING LTD.

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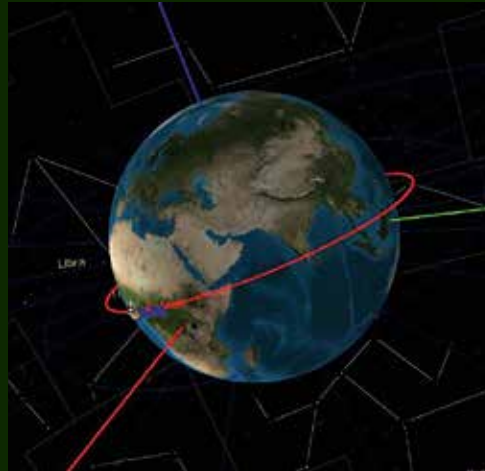
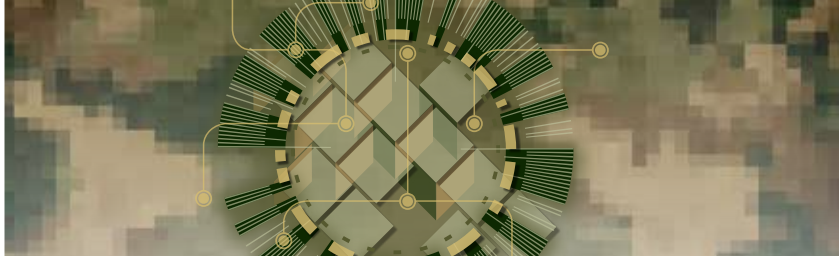
Nikolay Tomov - General Manager

Core business/Main Activities

SYNERGY Simulation & Training is established with the aim to deliver high quality modeling, simulation and training products, solutions and services for air, land, sea, space and cyber domains. We virtualize the reality and bring sophisticated dynamic environments populated with 3D models, specific terrains and characters for smart training, experimentation, analyses, strategic planning and mission rehearsal, tactical and urban operations.

Products & Services

- Immersive Synthetic Environments for training and capability development
- Computer Assisted Exercises for Defense and Security, Crises Management and Cybersecurity
- Dynamic 3D models with various LODs optimized for better visual performance and realism
- Geo-referenced 3D terrain generation and visualization
- Integration of distributed simulation systems into interoperable solutions based on protocols as DIS/HLA
- Experience with industry leading simulation software: SWORD, VBS (Virtual Battlespace), EXONAUT, Terra Vista, pRTI, Unity and others
- Project management based on PRINCE2 and PMI methodologies



Projects, References

- Synergy S&T main defense and cyber security projects:
- Support for development of the Modeling & Simulation Laboratory in NATO Crises Management and Disaster Response Center of Excellence
 - Design, planning, conduct and evaluation of Cyber Computer Assisted Exercise at the Ministry of Transport, Information Technologies and Communications

Certificates, Awards, Memberships

The General Manager of Synergy S&T is Chairman of the Bulgarian Modeling & Simulation Association - BULSIM and acts as a Board Director at the European Simulation and Training Association (ETSA). He is also a Management Board Member at the Cluster Aerospace Technologies, Research and Applications (CASTRA).

Contact

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info@synergy-simulation.com
<https://synergy-simulation.com>



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TCHERNO MORE CO.

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Petyo Milkov, Dipl. Eng., CEO

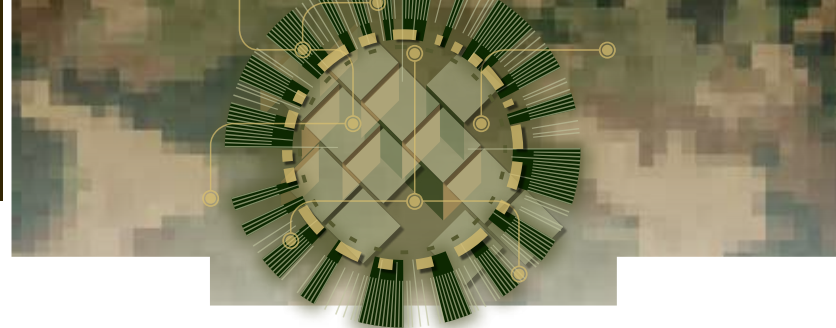
Core business/Main Activities

Tcherno More Co., Varna is the successor of a state owned enterprise established in 1966 for production of civil and defence radar equipment. Now, Tcherno More Co. is a joint stock company, where 100% of the shares are owned by private shareholders. The company is the only Bulgarian producer of marine/ river radars and navigation aids.

SCOPE OF BUSINESS

Design, production and trade with:

- Multisensor Integrated Systems for Border Surveillance and Control;
- Marine and River Navigation Radar Systems for Large and Small Ships;
- Ground Surveillance Radars;
- Coastal Radar Systems;
- Airport Surface Movement Radars;
- Precision CNC Machined Parts;
- Special Tooling Equipment;



Products & Services

TFT RIVER RADARS TM 7216/7/9 SERIES

Enhance safety of any river vessels, navigating in inland waterways.

GROUND RADAR HP-100M

FM ground radar with 0-360° mechanical rotation with extended power and range.

Detection ranges: >3km for a single person > 8km for a heavy vehicle.

A single operator is able to carry, quickly deploy and use the radar after short training.

GROUND SURVEILLANCE RADAR HP-200

FMCW ground radar with 0-360° mechanical rotation with extended power and range.

Detection ranges: >10km for a single person > 18km for a heavy vehicle.

Easy to deploy by 2 or more people; can be operated by a single person

COASTAL RADAR SYSTEMS AND MODULES FOR THEM

Provide data for vessel traffic control and coastal surveillance systems.

- 7, 9, 18 and 21 ft slotted wave-guide, X-band antennas with linear horizontal or fixed circular polarization;
- 4, 12 and 25 kW pulse power transmitters and high-sensitive receivers with logarithmic or linear characteristics.

AIRPORT SURFACE MOVEMENT RADARS

Projects, References

Multisensor Integrated System for Surveillance and Control of Sea, River and Land Borders.

Based on remote fixed or mobile surveillance stations and perimeter signalling security systems, connected via common communication system with control centres for defence of sea, river and land borders, measures to help people and vessels in disaster at sea or land or to support SAR operations, spread and exchange information in real time.

The surveillance stations include: Radar systems; Radar data processors; Electro-optical systems; Automatic identification systems ; Weather systems; voice and data communication devices and any others on customers demand.

Data is transmitted to the centres, archived, processed and displayed as a situation image including radar, AIS, video, weather, and voice and service information.

Such systems have been built for the Bulgarian Border Police, Bulgarian Navy and Maritime Administration. Our coastal radars operate in VTC systems of the Netherlands and Russia.

Certificates, Awards, Memberships

- Quality management system ISO 9001/ 2015;
- Information security management system ISO 27001/ 2013;
- Quality management system with the requirements of NATO Allied Publication for Quality Assurance AQAP -2110 „NATO Quality Assurance Requirements for Design, Development and Production“.

Contact

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Executive Director

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E-mail: marketing@tchernomore.com

Sales: Tel. +359 52 500 523

E-mail: marketing@tchernomore.com

Website: www.tchernomore.com



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TECHNOLOGICA EAD

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Ognian Trajanov, CEO

Core business/Main Activities

TechnoLogica is a leading Bulgarian software company with comprehensive activities in the field of IT: systems design and implementation, software development, consulting services and specialized trainings. The company started operations in 1990 and nowadays it has four offices in Bulgaria and two regional offices in Serbia and the North Republic of Macedonia. The company team includes more than 220 experts in different fields and some of them have achieved the highest available certification level from Oracle, Microsoft, PMI and other worldwide leading vendors. Most of the company projects are mission critical IT systems of international, national or corporate importance in the governmental and military sector. TechnoLogica's solutions and projects helps Bulgaria and other countries to fulfil their obligations as a member of NATO and the EU.

Products & Services

TechnoLogica is a company providing complete IT solution, technology, consulting and outsourcing services. Combining our solid technical expertise, profound knowledge of latest industry trends and quality-driven delivery model we offer reliable military solutions. Our defense solutions have been developed and documented in accordance with the MIL-STD-498 standard. TechnoLogica's experienced teams are using advanced requirement and design tools, source code analyses and measures tools, test/acceptance and configuration management tools to reach out one single goal - rapid development of high quality software. Our main area of products covers C4I based on Systematic Sitaware, GIS based on Luciad, ESRI and Intergraph, Cyber security, Military HR, NATO codification tool and Defense information systems. We are supported by leading IT vendors to build the quality solutions. TechnoLogica is very proud of top-level partnerships - Oracle Platinum Partner, Microsoft Gold Partner, Cisco, IBM Business Partner, Systematic, Analog Devices, Hexagon, Dassault systemes, Sophos and others. The company is investing continuously in intellectual property - from the first product - HeRMeS, Human Resources Management System (1995) to the latest - GDPR Compliance Manager (2018).

Projects, References

NATO AGS: TehnoLogica in collaboration with Leonardo and Northrop Grumman designed and developed three modules (management, visualization and training) for the AGS project. The development is based on STANAG standards, technologies and products defined by NATO.
PMIS: HeRMeS HR and Payroll application provides key modern capabilities for keeping records on personal data, assignments, pay, benefits and other information for all soldiers and MoD personnel. It provides also strategic framework for talent management, assessment, and personnel development. The PMIS has been implemented in two countries.
BULCOD: a certified NATO codification system. The system covers all stages of the codification process, fully integrated with NATO Master Catalogue of References for Logistics. Implemented in 5 countries.
C4I: the company has the competencies for implementation, system integration and maintenance of the full range of products and solutions for building modern and efficient C4ISR systems based on Systematic Sitaware.
Cyber security: TechnoLogica offers a rich portfolio of cybersecurity products and services for military purposes

Certificates, Awards, Memberships

The company and experts in the military area has a NATO security clearance certificates.
Quality certificates: ISO/IEC 9001:2015; ISO/IEC 27001:2005; ISO 20000; NATO AQAP 160
Throughout its 25-year history, TechnoLogica have repeatedly received awards such as: National Contest 'Innovative Enterprise of the Year', Fastest Growing Company in the South East Europe by Deloitte, Investor in Knowledge from the BBLF and others. The CEO of the company has been honored with the first of its kind award for „Contribution to the Development of Information and Communication Technologies“ at the „Mister Economy 2012“ competition, once it was established. He has been elected as a Chairman of The National network of the UN Global Compact and a Chairman of The Bulgarian Association of Information Technologies etc.

Contact

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Fax: +359 2 9631610
www.technologica.com
office@technologica.com





TELESYS LTD.

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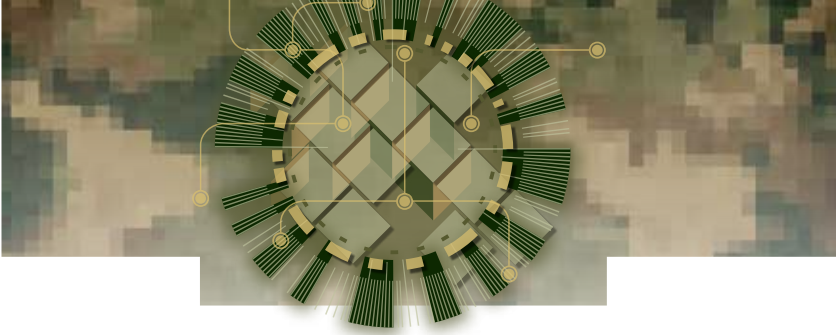
Stoyan Avramov Ph.D., CEO

Core business/Main Activities

Established in 1995 by former Bulgarian Air Force professionals; High-qualified team of 100% engineers, some with Ph.D. degree; R&D in communication and navigation systems area; System Design, Simulation, Prototyping and small series production; System integration and legacy military systems modernization; Ultra-Light Aircraft and UAV System design, production and integration

Products & Services

- RUM-R-01M - low cost, high performance, all composite, jet powered aerial target for air defense components training, design and production
- TERES-02-highperformance,allcomposite,reconnaissance and surveillance UAV plane, design and production
- Aerial target services for GBAD, fighter based and NAVY air defense training and live fire missile exercises
- Ultra-Light Aircraft avionics integration



Projects, References

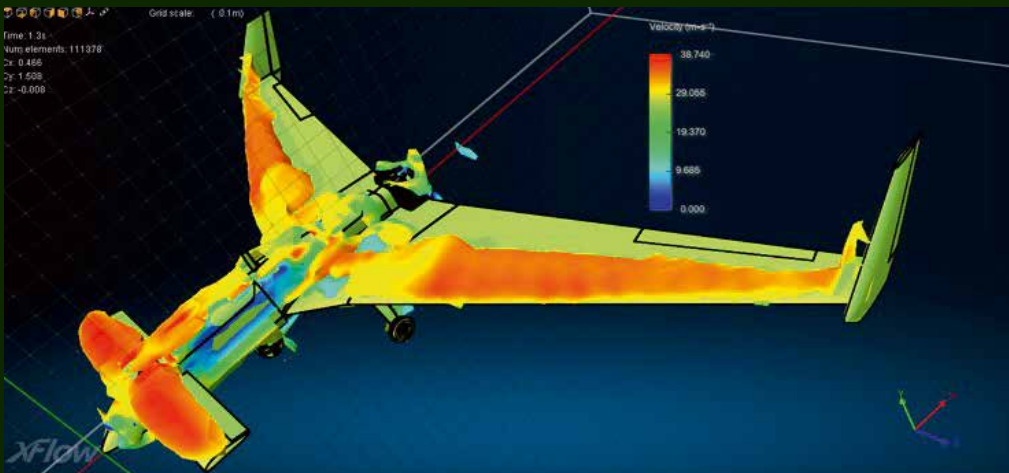
- National IFF/SSR system upgrade to NATO MODE-4/5 interoperability
- Bulgarian Air Force Radar System Integration & Support
- OKBO - RAP Recognized Air Picture Distribution System design & support
- ASTERIX protocol conversion & distribution system BuAF implementation
- JET aerial target training services for BuAF, ARMY, NAVY and foreign customers

Certificates, Awards, Memberships

ISO 9001: 2015 by TüV NORD CERT GmbH; NATO and National Security Clearance; Telesys is the only Bulgarian MoD UAV aerial target supplier; Telesys is the only Bulgarian certified UAV producer and operator

Contact

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TEREM SHC

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Ivan Doskov - Executive director

Core business/Main Activities

„Terem-Holding“ EAD - 100% state-owned with principal the Minister of Defence. Main activities are: overhaul and modernization of military equipment and production of spare parts.

Products & Services

„Terem-Holding“ EAD performs the following services: Repair, overhaul, modernization and logistic support of:

- Aviation equipment - helicopters and aircraft service equipment;
- Ship repair - ships, armament and equipment for the Navy;
- Armored equipment - tanks, track and wheeled armored vehicles, heavy and light trucks, jeeps, coaches and manufacture of spare parts;
- Small arms, light weapons, artillery weapons, missiles and ammunition;
- Radar and communication equipment.

Projects, References

- Participation in programs for repair, overhaul, modernization, production, utilization and logistical support of armament and equipment for the needs of the Bulgarian Armed Forces and foreign customers.
- Expanding commercial production on the basis of the technologies to be implemented regarding rearmament of the Bulgarian Armed Forces and foreign customers.

Certificates, Awards, Memberships

License for Import, Export and Transfer of Defence stores; ISO 9001: 2015; OHSAS 18001:2007; SO 14001:2015; AQAP 2110

Contact

12 Ivan Vazov Str.,
1000 Sofia, Bulgaria
e-mail: terem@nat.bg



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Dr. Dobrin Ivanov, Manager

Core business/Main Activities

TRANSMOBIL Ltd is a private company founded in 1994 in Sofia. The company focuses on production and trade with products and technologies for military purposes. Employees and consultants of the company are people with considerable experience in both industry and the military. This enables us to analyze and solve problems according to the needs of our customers. TRANSMOBIL Ltd is officially licensed by the Government for trade with defence products.

Products & Services

- Production of RPG-7 rounds with high efficiency including grenades with high-velocity kinetic striking elements and cumulative-thermobaric grenades in our facility in the city of Sopot.
- Production of shell-bodies with calibers from 60 to 155 mm and a length of up to 700 mm and mortar bomb-bodies with calibers from 60 to 120 mm in our facility in the city of Tervel.
- Engineering solutions, analysis of the condition of ammunition with long shelf life and utilization.
- Repair and modernization of heavy armored vehicles and tanks.
- We producing our own engineering solutions of artillery ammunitions, medium automatic gun ammunitions and small firearm ammunitions.

Projects, References

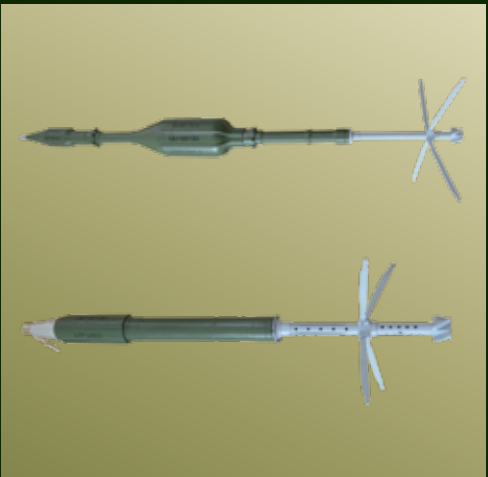
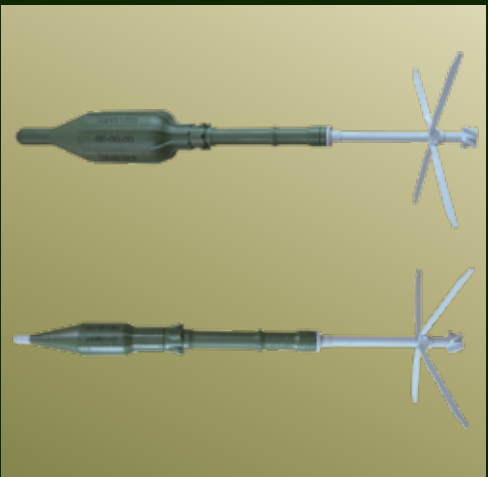
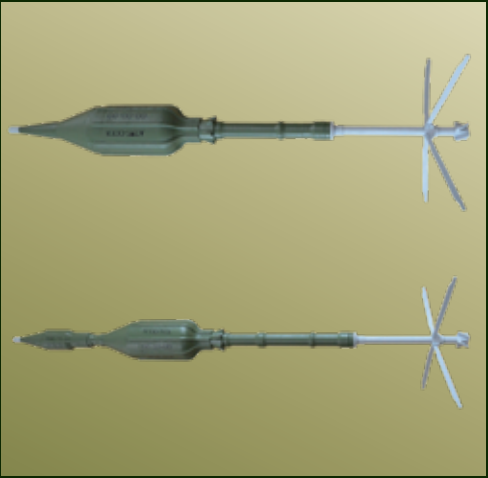
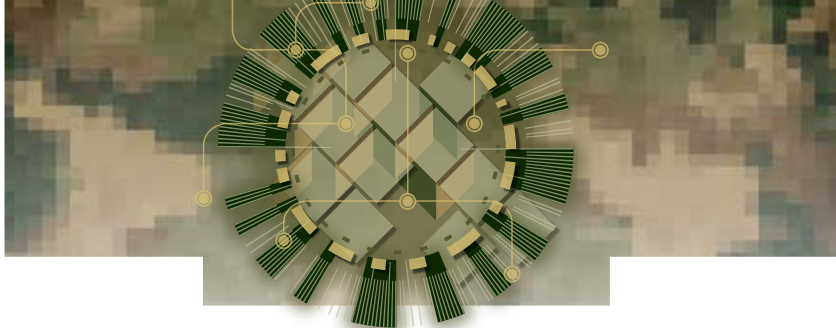
We are working in cooperation with a number of Foreign Government Structures and Companies. Our goal is to provide top quality goods to our clients and to achieve long term relationships. Our expertise is internationally recognized due to many years of experience in the field of military production and trade.

Certificates, Awards, Memberships

License for export and import of military products
Certificate of brokerage registration for dealing with military products
Transmobil LTD is a member of BDIA.

Contact

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Phone: +359 2 439 65 00
Fax: +359 2 439 65 01
e-mail: office@transmobile.eu
website: www.transmobile.eu





VAZOVSKI MASHINOSTROITELNI ZAVODI EAD

Dr. Eng. Ivan Getsov
Managing director

Core business/Main Activities

„Vazovski Mashinostroitelni Zavodi“ town of Sopot was inaugurated by the Bulgarian Tsar Boris III in 1936.

„VMZ“ EAD is the biggest state enterprise from the military and industrial complex in Bulgaria with more than 80 years of history and is leader in the production of various caliber ammunitions, and in addition is the only manufacturer in the world producing some of them. Company turnover for the last two years is over 500 million euro, while profit before taxes - 180 million euro.

Thanks to the intellectual potential of its engineering staff and high qualification of its executive personnel, high technologies have been implemented in the production, item performance characteristics are improved, and while part of the items are accepted into service in the Bulgarian army others are in the process of being accepted into service.

Products & Services

- Ammunition for RPG-7V
main rounds: KO-7VM; OFG-7VM; OG-7V; PG-7V; PG-7VLM; TB-7V
- Ammunition for SPG-9, BMP-1 with 2A28 gun
main rounds: OG-9VM; OG-15VM; PG-9V; PG-15V; TATR-9VMZ; TBFR-9VMZ; TBFR-15VMZ
- Ammunition for classical artillery
main rounds: 100 mm HOLLOW - CHARGE round ; 100 mm HE-FRAG round; 122 mm HE-FRAG round; 122 mm HOLLOW - CHARGE round; 122 mm HE-FRAG Practice round; 122 mm Illuminating Practice round; 125 mm HE-FRAG Practice round; 130 mm HE-FRAG round; 130 mm LONG-RANGE HE-FRAG round; 152 mm HE-FRAG round; 152 mm VRS-546 round „STARSHEL“
- Mortar bombs
main rounds: 82mm HE-FRAG Mortar Bomb; 82mm Thermobaric Mortar Bomb; 120mm HE-FRAG Mortar Bomb; 120mm Thermobaric Mortar Bomb
- Antitank Guided Missile Systems
main rounds: 9M111-2 „FAGOT“; 9M-111-M „FAKTORIA“; 9M-113 „KONKURS“; 9M115-M „METIS“
- Disposable grenade launchers:
RPG-22, BULSPIKE-AT; -AP; -TB
- Aviation unguided rockets
main rounds: S-5KO; S-5KP; S-5MO; S-8KOM; UAR-80VMZ; UAR-57TB1; UAR-80TB
- 122mm rockets for MLRS „GRAD“
- Fuzes

Projects, References

VMZ-Sopot's production is well-known around the world and is being exported to over 30 countries across five continents. Countries such as Egypt, Czech Republic, Israel, Indonesia, Rwanda, Afghanistan, the United States of America, Iraq, UAE and many others.

The company will go down in history as first and only enterprise to be awarded three times with the highest national insignia of honor - „Order Georgi Dimitrov“.

Certificates, Awards, Memberships

The company has a full license for ammunition export, import, transfer and brokerage activity, and apart from being recognized manufacturer is also a reliable commercial partner.

The company's management has specified quality policy and goals, aiming at improvement of QCS efficiency and increasing customer's content. QCS developed and operative documents specify the obligations and interaction between the different officials in order to achieve set goals. The quality control system is certified in accordance with the requirements of international standard ISO 9001:2008 and allied publication AQAP 2110.

Contact

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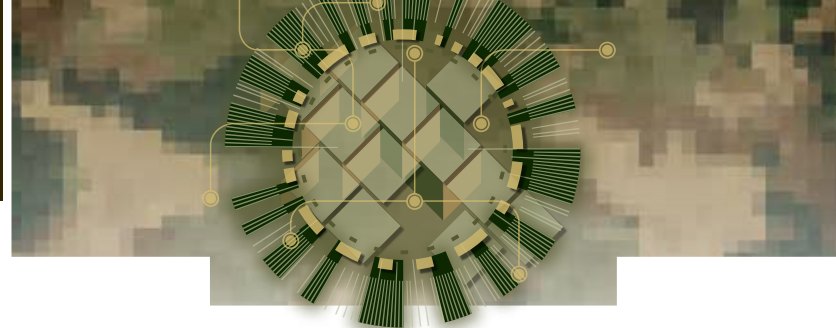


VIDEX JSC

Diana Simeonova Mitkova
Executive Director

Core business/Main Activities

Videx JSC was established in 1990 with main activity that includes production and trade of explosives, blasting devices and engineering ammunitions. The production is aimed at satisfying the needs for powder explosives, roughly dispersed ammonites and blasting devices on the internal and foreign market. Other activities: Transport, forwarding and security services, execution of industrial blasting works.



Products & Services

Videx JSC produces:

Explosive materials - Videxit, Ammonite 6, Ammonite 6 FW, Roughly dispersed ammonites, ANFO-L, Balkanit, Skalenit, Metanit

Blasting devices - Booster of pentolite, nonelectric initiation system VIDEXDET

Hand grenades and engineering ammunitions

The company performs transport and forwarding services of explosives and weapons, which belong to the international convention of ADR.



Projects, References

Under the conditions of the growing market competition, Videx JSC managed to gain top positions and create partnerships with leading companies within the country and abroad, resulting in formation of an effective distributor network for delivery of qualitative and competitive products all over the world.

Videx JSC follows the strategy of continuing the confirmation of its dominating role on the market of explosives, dual-use goods and technologies and special production, enhancing its professionalism in products design, development and sale, expanding the possibilities for perfecting the services, offered to our clients for the purpose of answering the challenges of the new millennium on a competitive and globalized market.

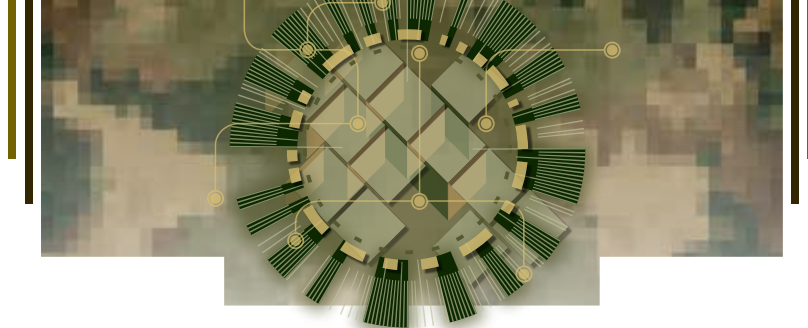
Certificates, Awards, Memberships

There is built up and operating System of Quality Management /assurance/ in compliance with ISO 9001:2000, ISO 14001 Environmental management systems and OHSAS 18001 Occupational health and safety management systems. Our products possess „CE” certificates, according to the Council Directive 93/15/EEC and conformity certificates according to the Decree on the important requirements and valuation of the conformity of the industrial explosives.

Contact

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.