As long as six thousands years ago, in the lands of our ancestors skilful craftsmen made exquisite gold and silver treasures still arousing admiration, forged sharp swords and made tough shields. Not only the mythic Orpheus lived in these lands but also the glorious Spartacus mastered the art of battle here using arms made by the talented ancient craftsmen. All successes of Bulgarian warriors from the foundation of Bulgarian state in 681 on were assisted by the merits of Bulgarian arms. Now the modern Bulgarian defence industry has proved its ability to produce high efficient and reliable products, which are well accepted in many countries over the world.

Bulgarian Defence Industry Association (BDIA) is a non-profit legal entity founded in 2004 by twelve companies leading in the branch. It is aimed to serve as a forum for exchange of ideas between state bodies and defence industry for resolving the problems of the branch and its steady development. The Association aims at expressing the united voice of the Bulgarian defence industry on the matters of modernization, defence industry policy, offset policy and policy for procedures and procurement for national defence and security, scientific researches and technological development. BDIA is working for the progress and consolidation of the branch for resolving the problems of the national defence and security.

We keep contacts and cooperate with the Bulgarian state bodies and with our partners, as well as with related associations from the country and abroad in the field of the defence industry and technologies. The Association acquires and spreads information concerning the state policy and procedures for defence and security procurement, scientific researches and technological development. We support the activities of the state bodies in security sector aimed to development of defence industry. Carrying out its aims our Association arranges national and international meetings and conferences, spreads abroad information about its activities and the capabilities of its members and forms program directions in functional fields.
Overview
ARCUS Co. has over 40 years experience in research, development and manufacture of defence related products. The company employs approximately 2500 employees. 120 engineers work on research and development projects.

ARCUS Co. specializes in development, production and supply of defence products of the following groups:

Main products:
• Ammunition for medium caliber automatic guns: 30x165mm and 23x152mm
• Spin stabilized grenades cal.30mm VOG-17; 40mm VOG-25; 40x46mm NATO; 40x53mm NATO
• 81mm and 82mm mortars and mortar ammunition.
• Grenade Launchers cal. 40x46mm NATO and 40mm for VOG-25
• Small Firearms: 9x19mm pistols & .38 Special revolver
• Impact Fuzes for artillery ammunition, mortar bombs, rockets and air bombs
• Proximity Fuzes for mortar and artillery ammunition.

Certificates
ARCUS Co. is certified for full compliance with ISO-9001:2008 and NATO AQAP-2110 Quality Standards.
Overview
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;
- Import, export and re-export of defence related products;
- Transfer of technologies, know-how and supplemental services;

The company supplies:
- Small arms and artillery systems
- Ammunition and components
- Pyrotechnic military products
- Civil production - toeling, hunting and sport weapons and ammunition.

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.

Partners and clients:
Government and private structures from Europe, Middle East, South and East Asia Pacific, Africa, North and South America.

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 MoD for compliance with AQAP 2110 - for military production, and by LRQA for compliance with ISO 9001 - for civilian production.
ARSENAL J.S.Co. was founded in 1878.

Employees: over 10000.

Main subject of activity:

ARSENAL J.S.Co. is a distinguished multi-functional infrastructural Company with leading positions in the National Economics and with great experience in design, manufacturing, engineering and trade of small arms and artillery armaments, recoilless anti-tank systems, small arms and artillery ammunition, rounds for underbarrel, revolver and anti-tank grenade launchers, different types of hand grenades, primers, powders, pyrotechnic products, hunting and sport weapons and ammunition, cemented carbide tools, tips and inserts, casting, forging etc., as well as of main parts, assemblies and accessories of the products of other Defence Industry Companies.

Performing a closed cycle of production - from the raw material up to the finished product and its full completion, Arsenal J.S.Co. produces as follows:

Small arms and artillery systems

• 9x18, 9x19 mm SHIPKA Sub-muzzle Guns;
• 5.56x45 mm and 15x43 mm ARSENAL Assault Rifles;
• 5.56x45 mm and 14x42 mm ARSENAL Machine Guns;
• 7.62x51 mm and 7.62x54 mm ARSENAL Machine Guns;
• 23x52 mm Air Defence Systems (for Land Forces and Navy);

• 40 mm and 40x46 mm Underbarrel & Multi-shot Grenade Launchers;
• 40x46 mm ARSENAL Stand-alone Grenade Launchers;
• 60 mm, 81 mm and 82 mm Mortars;
• Light & Heavy Anti-Tank Grenade Launchers.

Ammunition and components

• 5.56x45 mm, 7.62x39 mm, 7.62x51 mm, 9x18 mm and 9x19 mm Cartridges;
• 23x115 mm and 23x152 mm Rounds;
• 30x165 mm Rounds for Automatic Guns 2A42, 2A38, 2A72 and 650-30 family;
• 30 mm Rounds for Automatic Grenade Launchers;
• 40 mm Rounds for Underbarrel and Multi-shot Grenade Launchers;
• 40x46 mm Rounds for Underbarrel, Multi-shot and Stand-alone Grenade Launchers;
• Ammunition for Light and Heavy Anti-Tank grenade launchers;
• 60 mm, 81 mm, 82 mm and 120 mm Mortar Bombs;
• Unguided Rockets ARS-8KOM;
• Hand Grenades: offensive, defensive; thermobaric; with irritant action; smoke; sound & flash;
• Different types of Fuzes;
• Percussion primers, Powders, Charges, etc;
• Pyrotechnic military products.

Civil production - Tooling, hunting and sport weapons and ammunition.

Company management

Nikolay Ibushev, General Director

ARSENAL J.S.Co. is officially licensed by the Government of the Republic of Bulgaria for trade in Military Equipment.

Business activities

• About 80% of the production is dealt on foreign markets;
• Business activities are mainly concentrated in the Middle East, South-East Asia, Africa, the USA;
• Production cooperation with the leading foreign manufacturers.

ARSENAL J.S.Co. is structured and certified in accordance with the requirements of:

ISO 9001:2008 - for Civil Production;

NATO Publication - AGAP 2110 - for Military Production.
Overview

Avionams JSC is one of Europe’s leading Aircraft repair plants, offering complete range of services for the overhaul and modernization of civil and military helicopters type Mi-8 and Mi-17, Mi-24 helicopters, as well as MiG- and Su-family fighter jet and L-39 trainer jets. Since 2008 our repair plant is also a licensed and fully operational maintenance centre for Eurocopter AS 532 helicopters and their engines.

Over the years we have gained significant international recognition, based on our expertise as well as the outstanding quality and reliability of our services. We seek to offer our customers only the most complete and adequate solutions. Solutions, custom-tailored to suit every customer’s specific preferences. Still we make sure we abide by every requirement set forth by the international regulatory authorities. The company’s success is built on a team of more than 300 highly skilled and dedicated professionals, striving to promote the growth and consolidation within the company. Our activities are spread in three major facilities, over a territory of 83 acres, of which 33 acres covered by modern buildings.

The biggest facility is situated at Graf Ignatievo air base, north of the second largest city in Bulgaria - Plovdiv. This has been a NATO air base since our country first joined NATO in 2004. The plant has access to one additional runway, located at Plovdiv civil airport, next to one of our other facilities. Our unique geographic location, right in the heart of the Balkan Peninsula, combined with the excellent air, road and rail connectivity has put us strategically closer to our present and potential new markets, compared to all of our competitors. Today, more than 7 decades later, the plant still remains a trusted and desired partner in the aviation industry.

MIL Mi Helicopters

Today, the enterprise is capable of performing the following activities for the overhaul of MIL Mi Helicopter types Mi-8, Mi-17 and Mi-24:
- Complete airframe overhaul and modernization of helicopters designed both for civil and military purposes
- Conversion of military Mi-8 and Mi-17 helicopters to cargo and passenger versions
- Repair of aircraft engines and reduction gearboxes
- Repair of onboard power units and equipment
- Complete bodywork, anti-corrosion treatment and painting
- Refurbishment of helicopter interior
- Extension of helicopter TBO and service life (time between overhauls)
- Test trials of aircraft engines, helicopter reduction gearboxes and power units
- Warranty and post-warranty technical maintenance support and inspections

The modernization activities are fully coordinated with Russian Helicopters and Oboronprom, A representative of AR MAK (Aviation register of the Interstate Aviation Committee - Russia) is permanently situated at the plant, performing supervision and additional quality assurance. All Mi-24 overhaul works have been approved and certified by the Ministry of Defense of the Republic of Bulgaria.

Fighter Jets

Our enterprise offers the following activities for the overhaul of Mig-21, Mig-23, Mig-29, Su-25 and Su-22 fighter jets, as well as the L-39 trainer jets:
- Complete airframe overhaul and modernization the aircraft
- Repair of aircraft engines
- Repair of onboard power units and equipment
- Complete bodywork, anti-corrosion treatment and painting
- Extension of helicopter TBO and service life (time between overhauls)
- Test trials of aircraft engines and power units
- Warranty and post-warranty technical maintenance support

The overhaul of Mig-29 and L-39 is performed in cooperation with the technical assistance of RSM Mig (Russian and AERO Vodochody AEROSPACE a.s., (Czech Republic) respectively.

Certification

The new investor’s ambition to increase the company’s competitiveness on the international markets has resulted in large-scale investments and modernization within the plant, as well as additional qualification of the employees in order to enhance the company’s portfolio of services. Part of the efforts have been concentrated at obtaining all relevant certification from:
- OEM - Mi Design Authority and MAK Air Register, pertaining to the overhaul and modernization of civil and military Mi-8/17 helicopters
- Approval certificates issued by the National Ministry of Defense, NATO and DNVGL for compliance with Part 145 of the Aviation Rules, ACAP2110 and ISO9001:2008 standards
- NATO Facility security clearance
Company management

Petar Mandjoukov
Chairman of Board of Directors and
Executive Director of BIEM JSC.

Overview

Bulgarian Industrial Engineering and Management (BCM) is a private company owned by the experts with more than 50 years of experience in the defense-related business. BCM SC has full license for international trade with arms ³ 03.09-4-1/25.02.2013 valid until 25.02.2020 and registration for broker services for arms and dual-use goods and technologies.

Areas of activity

BIEM JSC is specialized in the following activities:

- Import, export and re-export of defense related products;
- Maintenance, technical testing, repair-works, modernization and upgrade of military equipment, delivery of spare parts, kits and accessories, repair and test equipment, documentation and expert services;
- Licensing and engineering activities including transfer of technologies and “know-how”, technical assistance and training in the field of the installation and the modernization of special objects and technologic production lines, service and repairs of special products and systems.

A priority in to the activities of BIEM JSC, is the capability to supply a full range and all kinds of spare parts, units and final articles in the following main areas:

- Armored vehicles and their armaments, simulators, equipment and ammunitions;
- Air defense: AA-missile complexes, AD-artillery and radar systems, simulators and ammunitions;
- Light and heavy armaments, ammunition;
- Field artillery, missile systems and ammunition for both;
- Fighter/ transport aircraft, multipurpose helicopters, simulators, equipment, ammunition;
- Communications, SIGINT, CRYPTO and electronic warfare equipment and technologies.

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

Experience in the past

Since the last century, BIEM JSC has been executing contracts for supply of technical military production, armament and ammunition, as well as engineering projects for countries in EMEA and the former Soviet Republics.

PARTNERS AND CLIENTS:

Defense related government structures of Algeria, Bulgaria, Egypt, Serbia, Turkey, etc.

International cooperation

BIEM JSC maintains traditionally a good cooperation with producers and suppliers in the field of the production of defense-related products and dual-use items and technologies from Belarus, Bulgaria, Czech Republic, Hungary, Poland, Romania, Russia, Serbia, Slovakia, Ukraine, etc.

Certificates

BIEM JSC is certified according ISO 9001:2008.
Company management

Overview
Dunarit Corp. is a specialist in the development and production of aerial, artillery and engineer ammunitions, industrial charges, demilitarization and disposal of ammunitions.

Main products
AERIAL AMMUNITIONS
- FAB 509M62 High Explosive Bomb
- BETAB 509TA Concrete-piercing Bomb
- OFAB 501I 62 PF High Explosive Fragmentation Bomb
- Thermobaric High Explosive Fragmentation Bomb
- OFAB 250-270 High Explosive Fragmentation Bomb
- OFAB 100-120TB Thermobaric, High Explosive Fragmentation Bomb
- OFAB 100-120 High Explosive Fragmentation Bomb
- OFAB 100-120 PF Pre-fragmented Bomb
- OFAB 100-130 High Explosive Pre-Fragmented Bomb
- OFAB 100N8. High Explosive Fragmentation Bomb
- P 50-75 D Practice bomb
- P 50-75 N Practice bomb
- P-50-75 Practice bomb
- ÀÌV-ÀÅ2 Faze
- S-6 Kon Air-Launched Unguided Rocket

ARTILLERY AMMUNITIONS
- 122mm round with HE shell for howitzer D-30 and self-propelled howitzer 2S1
- 100mm round with frag projectile used with 100mm field gun model 1944, tank gun D100, D100K5 and 85-3
- 120mm HE mortar round
- 120mm smoke mortar round
- 82mm HE mortar round
- 82mm smoke mortar round
- 81mm HE mortar round
- 81mm smoke mortar round
- 60mm HE mortar round
- 60mm smoke mortar round

ENGINEER AMMUNITIONS
- Offense hand grenade RGD-5
- Defensive hand grenade RGD-78
- Shaped-charges in pyroceramic or plastic body
- Waterproof detonating cord
- Compacted explosive charges
- Antihaill rocket
- Cast Boosters
- Seismic booster TL-500
- 57mm round with frag grenade and tracer for automatic gun S60
- Round DX - 7

DEMILITARIZATION OF AMMUNITIONS
- Aerial ammunitions
- Artillery ammunitions
- Engineer ammunitions
- Thermal destruction of small caliber ammunition and detonating devices

Certificates
Overview
"Electron Consortium" JSC has long term experience in research, development and manufacturing of special electronics. The company has highly-qualified specialists in the field of communication equipment, radars and control systems, which allows the integration of target workgroups 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.

Main products
• Communication equipment
• Radar equipment
• Control systems
• Radar counter-action
• Specialized software

"Electron Consortium" JSC is specialized in the development, manufacturing, supply and integration of specialized electronics, such as:
• Complex mobile communication stations for the needs of the Bulgarian army
• Meteorological radars
• Rain suppression system
• TCP/IP communication networks
• Specialized radio communication equipment
• Photovoltaic systems and LED lighting systems
• Non-standard technological equipment
The manufacturing capabilities of "Electron Consortium" JSC include:
• Assembly of PCBs, modules and whole products
• Two Pick&Place automatic machines for SMD assembly
• Reflow oven
• Lead-free technologies
• Climatic and mechanical testing

Certificates
"Electron Consortium" JSC has a working quality control system and is ISO 9001:2008 certified by Bureau Veritas.

Company management
Dr. Eng. Ivan Stoyanov
Executive Director

"Electron Consortium" JSC has a full license issued by the Government of Republic of Bulgaria for foreign trade with military goods.
Company management

Eng. RADA MARKOVA
Executive Director

Main activities

Expal Bulgaria JSC is a special manufacturer of:
- Industrial explosives;
- Charging of ammunitions;
- Utilization of ammunitions.

Production list includes:

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

All products have CE Quality Certificate;

Company

Expal Bulgaria JSC is part of MAXAM Group, the leading Industrial Group in:
- Development, manufacture and sale of civil explosives and initiation systems for the mining, quarry and infrastructure industries
- Production of chemicals and fertilizers
- Hunting cartridges and gunpowder for sporting use
- Products for the defence industry
- Energy and environmental consulting

MAXAM Group is formed by more than 140 companies with over 6,000 employees worldwide and production facilities in more than 40 countries.

Expal is the Defence Business Unit of MAXAM Group with a wide and complete range of ammunition products, also main a provider of maintenance and modernization services and integrated logistics support for vehicles and aeronautical systems, with facilities in Bulgaria, Spain, Denmark, Italy, Belarus and USA. Expal is one of the most relevant companies for Demilitarization Services and Soil Remediation. 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.

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

Today, the company 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.

Expal Bulgaria JSC owns 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 as for the loading of White Phosphorus ammunition and components.

Certificates

Expal Bulgaria JSC is certified in accordance with the international standards ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007, AQAP 2110
International Armored Group

Overview
International Armored Group is a quality conscious armored vehicle manufacturer with over 20 years of experience specializing in the fields of design, engineering, prototyping and manufacturing of armored commercial and tactical vehicles. We have grown substantially over the years and have become one of the most technologically advanced armored vehicle manufacturers in the world. IAG's core competency is the ability to engineer and design vehicle armoring solutions providing optimal survivability and reliability, while maintaining superior driving dynamics and performance.

IAG’s production plants are strategically located near major sea and air ports allowing our experienced logistics team to transport our armored vehicles worldwide. With locations in the United States, Canada, United Kingdom, Turkey, Bulgaria, United Arab Emirates, Pakistan and Iraq, International Armored Group remains dedicated to producing the highest quality armored vehicles together with on-time delivery and professional service.

Product Range:
Armored Vehicle product line (VR7, B4, B5, B6, B6+ & B7 armoring levels)
- SUVs: Toyota Land Cruiser (RHD/LHD) 76, 78, 200 series, Suburban, Lexus, Mercedes, Nissan etc.
- Pick-up trucks: Hilux, Toyota '79 Series, Ford F350, Ford Ranger etc.
- Sedans: Toyota, Mercedes, BMW, Lexus etc.
- Passenger/cargo Transport: Ford F550 passenger/cargo vans, GMC Savana, Chevy Express, Mercedes Sprinter passenger/cargo vans, Toyota Coaster and other armored buses up to B6 level.
- Mobile Banking Units and vans for cash in transit.
- Armored Ambulances based on Ford, Toyota, Sprinter and other chassis.
- Military and Tactical vehicles: APC (Armored Personnel Carriers), Ford F550 trucks with gun boxes and turrets - B6 level to B7 level.

Other Products
- Automotive bullet proof glasses for Toyota, Ford, Nissan, Mercedes and other brands (windshields, door windows and flat glasses).
- Bullet proof windows and ballistic framing systems for buildings.
- Armored vehicle components such as run flats, heavy duty suspension and brake systems, high output alternators, flag poles, heavy duty door hinges, gun ports and etc.

VPAM BRV 2009 VR7 TESTING
In April of 2010 IAG successfully undertook the independent testing and certification conducted by Beschussamt Mellechstadt, a world renowned testing facility in Germany. The BRV 2009 VR7 Land Cruiser 200 Convoy® was shot over 430 times, from all angles by 7.62 x 51 mm FJ/PB/SC and 5.56 x 45 mm SS109 ammunition and successfully deflected all rounds. 100% (no penetration was recorded). In addition, the underside of the vehicle was blast tested against 2xDM51 German hand grenades simultaneously detonated, 1xHG85 Swiss fragmentation grenade and 1xOM-31 Anti-tank land mine with zero recorded deformation. Lastly, the vehicle was subjected to an IED-simulation side blast, which involved 12.5KG of PETN (17 KG TNT equivalent) detonated 4 meters (13 ft) from the side of the vehicle. Zero deformation was recorded in the vehicle, pressure within cabin remained within norms (all occupants would survive).

Certificates
- ISO 9001:2008 - Quality Management System
- VPAM BRV 2009 VR7

Company management
Dr. Anton Stefov
President & CEO

18 Maloezka street, Veliko Turnovo 5000, Bulgaria
tel.: +971 7 205 7676, fax: + 971 7 266 8969,
e-mail: info@interarmored.com
Website: www.interarmored.com
Company management

Acad. Stefan Vodenicharov

Overview

“HI-TECH IMS” LTD is one of the leading organizations in Bulgaria in the field of national security and defence. Team of scientists and specialists of the company, working in various fields of the engineering sciences, has a long-years experience in creating, development and manufacturing of high-tech security and defence systems and products.

Company activities

“HI-TECH IMS” LTD activities in the field of security and defence are connected with creating, development and manufacturing of high-tech products and systems for:

- Protection against invasion by water, air and land;
- Counteraction to terrorist operations;
- Modernization of existing defence products.

Main products

The main defence products of INSETHC are:

Products and systems against invasion by water:

- Family of sea mines (anti-invasion mines, bottom mines, diversion (“Limpet”) mines);
- High-tech underwater fuses for existing explosive devices and mines;
- Underwater anti-diversion devices;
- Underwater grenades;
- Hydro-acoustic management systems;
- Mine-laying equipment.

Products and systems against invasion by land and air:

- Family of anti-tank mines;
- Family of anti-helicopter mines;
- High-tech fuses for existing anti-tank mines;
- Remote controlled ignition systems;
- Armors for light and heavy armored vehicles;
- Means for personnel individual protection.

Products and systems against terrorist action:

- Systems for protection of harbors against underwater and surface terrorist attacks;
- Guard systems for protection of important sites and border areas;
- Means for protection of helicopters against RPGs;
- Family of hand grenades for terrorists catching and hostage saving operations;
- Equipment for explosive devices detection;
- Means for individual armor protection of anti-terrorism units officers.

Certificates

INTERNATIONAL COOPERATION
For more than 50 years KINTEX has been executing contracts for supply of technical military production, armament and ammunition, as well as engineering projects for countries in Africa, Asia and the Middle East. Kintex maintains traditionally very good relations with a number of governmental institutions of many foreign armies and police forces from all over the world. In the export list of Kintex the share of military items by NATO standards is constantly increasing.

Joint projects with foreign companies in machine building and other areas are also a priority subject of activity of KINTEX.

Certificates
The company is certified according EN ISO 9001:2008, TUV Rheinland

Company management
Alexandar Mihaylov
Executive Director

Overview
Kintex was established in 1966 as a specialized company for trade with defence equipment. In 1992 KINTEX was transformed into Company limited by shares in accordance with the Commercial Law which came into force in Bulgaria in 1991. All the shares are owned by the State.
Kintex is granted a General License for export, import and re-export of products for the army and police.
KINTEX is specialized in export of Bulgarian defence and machine-building industry production - military equipment for all services of the Armed Forces.
In the export list of Kintex increasingly larger is the number of new advanced products designed in the institutes and factories of the Bulgarian defence industry.

These developments are mainly in the spheres of information technology, communication equipment, radars and other means of electronic warfare. All of them are specially designed to operate within a very wide range of geographical and climatic conditions.
Besides the foreign trade performance, KINTEX carries out development and implementation activities of technical means for the needs of the army - "Surveillance and reconnaissance assembly Unit - Forward observation Post", "Ground Surveillance System", "Control and Navigation Wireless Network Terminal", "Tactical Communication Platform", "Gun-Fire computer" and others.
Overview
MARS Armor Ltd. is an innovative Bulgarian company, dedicated to delivering high quality reliable personal ballistic protection solutions. The inherent benefits to the clients are physical reliability, simplified servicing requirements and ready availability of parts and maintenance facilities. The factory is spread over an impressive built-up area of over 9360 sq.m. The ongoing scientific research of the impact of high and low velocity bullets on various materials is the basis for developing modern, ergonomic and lightweight solutions for reliable ballistic and stab protection.

MARS Armor product range:
• Body armor for ballistic and stab protection
• Hard armor plates for protection against rifle munitions
• Ballistic shields
• Ballistic helmets
• EOD protective wear
• Accessories for MOLLE: pouches and holsters

Business activities
• Export to international defense markets.
• Trading activity focused on the defense markets in the Middle East, Asia, Africa, South America.
• Supply of additional specialized equipment and security systems.

Other activities
Design, development and testing of systems for ballistic protection, protection against fragments and stab protection.

The company uses its own in-house ballistic laboratory for testing of the raw materials and the finished ballistic protection products. MARS Armor Ltd. holds a full license for export, import and trade of ballistic and stab protection solutions, specialized equipment and security systems. The company is an established manufacturer, and also a reliable trade partner.

Certificates
MARS Armor Ltd. performs the activities of development, production, testing and delivery of materials and means for ballistic protection in an integrated operating and certified management system meeting the requirements of the international standards ISO 9001:2015, ISO 14001:2015 as well as the NATO standard AQAP 2110.

Company management
Plamen Tashkov, PhD.
General Manager
Overview and main products
“MTG - Dolphin” plc was established in January, 1991. For the last 25 years the company has gained strong positions and reputation on the international market as reliable partner in the shipbuilding and ship repair business sector.

The production capacity and resource capacity of the Yard allow building of specialized vessels up to 8’500 tons and repair of vessels up to 18’000 tons.

Shipbuilding
Building of specialized and highly technological ships with complex integration
• Patrol vessels for inland water
• Offshore patrol vessels/ corvettes
• Sail training vessels
• Dredgers
• Auxiliary fleet ships

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

Design department
3D software, CAD-CAM

Own laboratory for nondestructive tests, incl. Rih control and laser alignment
24/7 Yard security with CCTV and access control

Certificates
MTG Dolphin plc is certified for:
• ISO 9001:2008 by LRQA
• NATO AQAP 2110 by MoD
• ISO 14001 by LRQA
• OHSAS 18001 by LRQA
• Design and manufacturing by BSR, LR, GL, BV

Company management
Svetlin Stoyanov
Executive Director

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

Overview
Established 45 years ago, "OPTICOELECTRON" in the beginning is one of the most high-tech companies in Bulgaria, specialized in manufacturing of optomechanical, optoelectronic and laser devices and systems for defense applications. After privatization in 1999 and restructuring in a holding company, OPTICOELECTRON GROUP JSC remains the biggest Bulgarian company and one of the leading East European companies in the field of optical devices. OPTICOELECTRON GROUP JSC is specialized in design, manufacture and trade with optomechanical and optoelectronic devices and systems, optical components and assemblies, precise mechanics as well as shape forming tools and appliances. It is built on 260 000 sq.m. terrain formed as an industrial park and has 108 000 sq.m. manufacturing areas. The staff is over 650 high qualified employees - engineers graduated from university and secondary schools. Our production is exported to European Union countries, Near East, and North America markets.
We are ISO 9001:2000 certified since 2001. Our NATO Commercial and Governmental Entity code (NCAGE) is 000DU. OPTICOELECTRON GROUP JSC has obtained a Certificate for Registry in the field of international relations “NATO SECRET” and a Certificate for access to operate with state classified information, Statute of supplier for US Government-DUNS Registration.

Main products
Key defence products in our portfolio are as follows: anti-aircraft and ground artillery sights for firing in daytime and in nighttime; day and night optical sights; laser rangefinders; laser target designators; optical systems for armoured vehicles; video observation and surveillance systems.

Business activities and contacts
Joint research, development and manufacturing of products with leading companies, NATO members.

Certificates
The Company has NATO Supply code for manufacturers NCAGE 000DU registration for national and foreign classified information and DUNS registration as an official statute of supplier for US Government. There is build up and operating System of Quality Management ISO 9001 and AQAP 2110.
Company management

Dipl. Ing. Ivan Cholakov CEO

Optix JSC

Overview

The company specializes in the design and manufacturing of optical, opto-mechanical and opto-electronic components, assemblies and devices for civil, law enforcement and military applications. Optix also implements design, production and installation of integrated systems for security surveillance and protection of border and strategic objects. The company operates with a CAD/CAM system for design, analysis, development and testing of devices in one unified digital environment. The company has implemented an ERP system for business resource management of all operational levels - supply, production, sales, finance and accounting.

Military products

- Day sights: OD-25; 4M; Collimator “red dot type” sight MK 6; grenade launcher PGO-7VU; PGO-7V
- Night sights: ONS-3; ONG-4/ONS 6
- Night vision attachments: NWA-B; NWA-75M
- Night vision goggles: single tube DIANA; twin tube DIANA FF; winter DIANA A
- Binoculars for night vision: DIANA 3X/4X/5X/6X/10X
- Monoculars for night vision: DIANA M40; NE
- Thermal vision devices: sights; identifiers 60/100; identifier 60+ LRF; monocular DIANA II; camera Vision; Gobarty; HeatseekIR; sight for grenade launcher PAGOT
- Hunting products
- Thermal vision devices: sight identifier Snaphot; monocular RecognizIR
- Day sights: MK-6; Spesdom
- Night vision devices: sight Firefly 3; Firefly 4V; attachment Markman-75; binocular Forester 3X; monocular BoaHunter 40; goggles Hillwalker 50
- Civil products
- Blanks; lenses, assemblies, prisms. Net-parallel templates, wedges, optical scales, filters, windows, mirrors, single layer and multilayer coatings on glasses and crystals, tools and equipment for production and control of optical elements and assemblies, optical details from different types of crystals and laser substrates, body and rotational mechanical elements with complex configuration and high precision.

Products with medical application
- Lenses for testing, multifunctional goggles, ophthalmic test
- Integrated systems - MONITORING, GUARDING, PROTECTION and SECURITY
- Optix Stationary Guard - Stationary integrated systems for highly efficient surveillance and security
- Optix Mobile Guard - Mobile integrated systems for highly efficient surveillance and security
- Optix Marine Guard - Integrated systems for highly efficient surveillance and security
- Optix Rescue - Specialized integrated vehicles for the implementation of superior responsibilities
- Optix Automated Remote identifier system - Integrated system for Command & Control

Certificates

- NATO AQAP 2110 – Nato Quality Assurance Program
- NATO AQAP 2110 – Nato Quality Assurance Program

Contact Information

- Tel.: +359/357/6 06 10 - Marketing and Sales Department
- Tel.: +359/357/6 41 25 - Secretary
- Fax: +359/357/6 30 97
- e-mail: optix@optixo.com, web: www.optixo.com

63 Zahari Stoyanov Str., 4500 Panagyurishte, Bulgaria
Tel.: +359/357/6 41 25 - Secretary
Fax: +359/357/6 30 97
e-mail: optix@optixo.com, web: www.optixo.com
Overview and main products:
Research and Development activities, production and trade of products with special purpose.

- Radio Jammers for protection against Improvised Explosive Devices:
  - Convoy and Portable Radio Jammers
  - Briefcase and Manpack / Backpack Jammers
- Prison and Cell Phone Jammer
- HF/VHF Radio counteraction equipment delivered into the area to be jammed by means of artillery bearers 122, 130, 152 and 155 mm: Artillery Radio Jammer
- Command Post Vehicles
- Integrated Communication Systems
- VHF Portable Radio
- Field Telephone Sets
- Surveillance systems and guarding solution.
- Ground Radars
- Switches and Switchboards
- Manpad Launcher

Other activities:
- Sea radars for navigation
- LED illuminators and Systems for LED Lighting
- Mechanical parts and tools
- Transformers, coils and chokes
- Piezo ceramic, ferrite and steatite products
- RF amplifiers and RF modules

Technological Capabilities:
- Design, assembly and testing of electronic components and coil winding products
- Precise mechanical parts production
- Tools design and manufacturing
- Machining and pressing of metal products
- Production of plastic and rubber products
- Galvanic coating and lacquering
- Design and manufacturing of ferrite, piezoceramic and steatite ceramic products

Certificates:

Dipl. Eng. Petar Georgiev
Managing Director

SAMEL-90 PLC was established in 1964 as a military equipment plant supplying Electronic Communication Equipment for the Bulgarian Army. Now the company has expanded its scope of activities. Our company has all necessary technology capabilities, strategy and vision to offer a wide portfolio of various products for civil and special purposes. Modern technology, experts knowhow, certificates and extensive selection of proven solutions are combined for manufacturing of worldwide high quality products - products with excellent design and investment for the future. Besides final products SAMEL-90 PLC also provides services and acts as a subsupplier to other companies.

SAMEL-90 PLC works with more than 32 countries around the world and is proud with the quality of its products and the created long-term relationships. Our Employees are an integral part of the business with their commitment and dedication. SAMEL-90 PLC is located 60 km away from Sofia in the town of Samokov.
Overview

Tcherno More Co., Varna is the successor of a state-owned enterprise established since 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 ISO 9001:2008 and AQAP 2110 certified.

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Main Products

- **Special Tooling Equipment**
- **Wood-processing and Other Hobby Machines**
- **Spare Parts and Accessories for Vehicles and Forklifts**
- **Coastal Radar Systems**
- **Ground Radars**
- **Small Ships**
- **Control**
- **Multisensor Integrated Systems for Border Surveillance and Identification**

**Overview**

**Eng. Peter Milkov**

Chief Executive

**TCHERNO MORE CO**

This radar offers a high-resolution colour FTP display. Radar signal processing and displayed with an extremely good quality. It is designed to improve safety of river vessels of any kind, navigating in rivers, channels, narrow waters, entering or leaving harbours.

**GROUND RADAR HP-100M**

This Ground Radar HP-100M is capable to automatically detect moving ground targets, to identify them and to determine their co-ordinates at any time of day and under any ambient conditions (presence of fog, dust, smoke, etc.). It can be used to protect sensitive sites (nuclear power stations, airports, warehouses), harbours, pipelines, etc.

HP-100M is a man-portable, surveillance, Frequency Modulated Continuous Wave (FMCW) radar with Linear probability of Intercept (LPI). Fast Fourier Transformation (FFT) is used to analyse any number of moving ground targets and to analyse the spectrum of the Doppler frequencies. The Doppler frequency is a parameter of the speed, direction and distance of a moving target, and it is superimposed on the transmitted waveform as a phase shift. The phase shift is translated to the spatial domain by the matched filter, which is a Fourier transform of the transmitted signal. The output of the matched filter produces a doppler signal, which indicates the location of a target, direction of movement, etc. A GPS is built-in the radar in order to precisely determine self location on the electronic map entered in the display. HP-100M can be transported by any means (ground, sea, air), to low weight and user friendly interface enables use only operator to carry, quickly deploy and use it without long training required.

**GROUND SURVEILLANCE RADAR HP-200**

Extended power and range compared to HP-100M Detection ranges: >10km for a single person; > 18km for a heavy vehicle, Frequency modulated continuous wave ground radar with 0-360° mechanical rotation Easy to deploy from 2 or more personnel, can be operated by a single person

**COASTAL RADAR SYSTEMS AND MODULES FOR THEM**

The Coastal Radar System (CRS) provides: data for vessel traffic control; search and rescue of vessels in distress; surveillance for contraband, drug traffic and illegal immigration by sea; surveillance for illegal fishing and exploitation of under water resources; measures to help people and vessels in disaster at sea or land and supporting the coast guard and other institutions in search and rescue operations (SAR), Professional information from the cameras, radar meteorological information, voice and service information.

**Engineering Projects**

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

They are based on remote fixed stations for technical surveillance, mobile surveillance stations and perimeter signalling security systems, connected through a common communication system with control centres. The systems are designed for:
- defence of the sea, river and land borders through surveillance, mobile surveillance stations and perimeter signalling security systems, connected through a common communication system with control centres.
- support to other national and international institutions in search and rescue operations (SAR), spreading and exchanging information in real time with other agencies and institutions.

**Market Positions**

The company is the only Bulgarian producer of marine/river radars and navigation aids.

**Company management**

**Eng. Peter Milkov**

Chief Executive

**Main Products**

- **NEW TFT RADARS MK 721, AT SERIES**

This radar offers a high-resolution Colour FTP display. Radar signal processing and displayed with an extremely good quality. It is designed to improve safety of river vessels of any kind, navigating in rivers, channels, narrow waters, entering or leaving harbours.

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Company management
Ivan Doskov
Executive Director

Overview
"TEREM" SHC, Sofia, as a successor to the "Military Bases and Factories" Department of the Ministry of Defence was established pursuant to Council of Ministers Resolution No. 605 dated 28 June 1965. These structured it as a single economic entity comprising the repair facilities of the Ministry of Defence and the Military Bases Property. It had the task of providing the Ministry of Defence with the necessary overhaul of military equipment for the Bulgarian Armed Forces. Over the period from 1965 to 1989, meeting the needs of the Bulgarian Armed Forces, the Department provided repair, overhaul, and modernization of military equipment and production of spare parts for this equipment, as well as repair of aviation equipment, vehicles, armoured vehicles, complex battle, and spare parts for civil use. In 1989, through a directive signed by the Council of Ministers, the "Military Bases and Factories" Department was reorganized into a 100% state-owned Sole Proprietor "TEREM" SHC. In 1998 through a decree issued by the Council of Ministers the company was reorganized by separating from it and becoming a 100% state-owned Sole Proprietor "TEREM" SHC.

The daughter companies are as follows:
- "TEREM - LETETS" EOOD, Sofia, whose activities are repair and overhaul of aviation equipment (helicopters);
- "TEREM - OVECH" EOOD, Plovdiv, whose activities are repair and overhaul of vehicles and armoured equipment;
- "TEREM - KHAN KRUM" EOOD, Plovdiv, whose activities are repair and overhaul of armoured equipment and manufacture of spare parts;
- "TEREM - AKO Flutter Accent" EOOD, Sofia, whose activities are repair and overhaul of armoured vehicles, armament and equipment for the Bulgarian Armed Forces;
- "TEREM - TWAM" EOOD, Veliko Tarnovo, whose activities are repair and overhaul of classical artillery and missile weapons, destruction and demilitarization of weapons and military systems;
- "TEREM - TAN SAMUELS" EOOD, Euxinograd, whose activities are repair and overhaul of armament and equipment and production of spare parts for civil use and is an example of successful business in the field of supply and maintenance of spare parts and equipment for the Bulgarian Armed Forces.
- "TEREM" SHC, a sole leader on the home market of the Republic of Bulgaria regarding repair and overhaul of armament and equipment for the National Security System. "TEREM" SHC is the only company in the country providing the requested production capacity and qualified staff performing these activities. Thanks to its capabilities for repair and overhaul of aviation engines and aircraft, the company occupies various positions regarding their overhaul on the international market.

"TEREM" SHC owns production equipment which is unique and feasible. A flexible manufacturing system, automated and semiautomated manufacturing systems, multistation and parallel processing machines, production machines, clean rooms and which guarantee high-performance technology of overhaul and spare parts production. The company, its daughter companies are certified under ISO-9001 and AQAP 15.

In compliance with the requirements of the Classified Information Protection Act are ensured the necessary conditions for safe-keeping and protection of the classified information. For this purpose a special technical structure has been set up, which guarantees the safety of the classified information.

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In connection with the needs of modernization and re-equipment of the military-industrial complex of the Republic of Bulgaria it is planned to create the necessary conditions for safe-keeping and protection of the classified information. For this purpose a special technical structure has been set up, which guarantees the safety of the classified information.

Everything mentioned above has also an impact on the activities of "TEREM" SHC which is an economic entity created entirely for the purpose of meeting the needs of the Bulgarian Armed Forces, and hence being strongly dependent on their needs. Regardless of the transition to a market-oriented economy, "TEREM" SHC manages to plan an answer to the new requirements on the part of the Ministry of Defense and to successfully find its place and develop. Since the company was created, it has been involved and joint with foreign companies. In programs for modernization of armament and equipment of the Bulgarian Armed Forces:
- modernization of Mi-37 and Mi-24 helicopters;
- modernization of 8K86-1 and 8K86-2 missiles;
- modernization of RLS P-37 and P-18;
- modernization of "RV-60MP" armoured personnel carriers;
- modernization and transition-to-on-condition maintenance of Mi-26;
- modernization of Mi-17 and Mi-24 helicopters;"TEREM" SHC is the only company in the country capable of providing modernization and re-equipment of the Bulgarian Armed Forces in compliance with the NATO standards.

The democratic changes in the Republic of Bulgaria and the country’s membership in NATO rapidly the necessity of substantial cuts, reconstructing, rearranging of the lines of arsenal forces and modern equipment regarding quality and capabilities of the Army. Everything mentioned above has also an impact on the activities of "TEREM" SHC which is an economic entity created entirely for the purpose of meeting the needs of the Bulgarian Armed Forces, and hence being strongly dependent on their needs. Regardless of the transition to a market-oriented economy, "TEREM" SHC manages to plan an answer to the new requirements on the part of the Ministry of Defense and to successfully find its place and develop. Since the company was created, it has been involved and joint with foreign companies. In programs for modernization of armament and equipment of the Bulgarian Armed Forces:
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The capacity of the company and the production qualification of the staff of the "TEREM" SHC is the only organization in Bulgaria which is capable of taking upon itself a large part of the activities regarding maintenance of the combat-ready weapon systems. The company is in a position to provide spare parts and accessories for the Bulgarian Armed Forces, to perform repair and logistic support of armament and equipment for the Bulgarian Armed Forces in compliance with all qualitative standards.

The fact of complete modernization of Mi-24 helicopter and the company's participation in the modernization projects of the Ministry of Defence are a proof of the established trust of the Ministry of Defence in the company, and also a proof of the company’s devotion to the Bulgarian Armed Forces.

Over the period from 1965 to 1989, the Department provided repair, overhaul, and modernization of military equipment and production of spare parts for this equipment, as well as repair of aviation engines and aircraft, the company occupies various positions regarding their overhaul. The company has been a Sole Proprietor since 1998.

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Overview
TRANSMOBIL Ltd is a private company founded in 1990 in Sofia. The company focuses on 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 in all their complexities and according to the needs of our customers.

TRANSMOBIL Ltd is officially licensed by the Government of the Republic of Bulgaria for trade in Military Equipment.

AREAS OF ACTIVITY
We are specialized in the following fields:
• Trading with military equipment, weapons, ammunitions, machines and equipment for military production and military technology.
• Work in areas such as engineering, analysis of the condition of ammunition with long shelf life and utilization.
• Repair and modernization of heavy armored vehicles and tanks.
• We develop, finance and offer our own engineer solutions for production of artillery ammunitions, medium automatic gun ammunitions and small firearm ammunitions.

INTERNATIONAL ACTIVITY AND EXPERTISE
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.
Overview
Development, production and trading with explosive materials, blasting devices and engineering ammunitions.

Main products
Videx produces:
• explosive materials - Videxit, Ammonite 6, Ammonite 6 FW, Roughly dispersed ammonites, AMFD-L, Balkanit, Skalenit, Metanit
• blasting devices - Booster of pentolite, nonelectric initiation system VIDEXDET
• hand grenades 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.

Certificates
There is built up and operating System of Quality Management /assurance/ in compliance with ISO 9001:2000. Videx JSC is in process of certification according to 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.
Vazeviski Mashinostroitelni Zavodi EAD Sopot was founded in 1936 and is the largest State enterprise of the military and industrial complex in Bulgaria.

Overview
The company develops and produces a wide range of special purpose products; moreover, it is the only world manufacturer of some of them.

Main product groups:
• Grenades for use on RPG-7 and SPG-9 grenade launchers and 2A-28 gun fitted with warheads with a HEAT, tandem/HEAT, HEAT/fragmentation, FRAG/HE, a thermobaric and penetration effect;
• Disposable rocket grenades with a HEAT (RPG-22), a thermobaric (DREBG-73) and FRAG/HE (ROG-22) effect;
• FRAG/HE, HEAT, smoke and illuminating artillery rounds of various calibres;
• 81 mm, 82 mm and 120 mm mortar rounds with a thermobaric effect;
• 122 mm rockets for use on BM-21 GRAD multiple launch rocket system;
• Air-to-surface unguided aircraft rockets of 57 mm and 80 mm calibre;
• Fagot, Faktoria, Konkurs and Metis anti-tank guided missiles;
• Mechanical and electromechanical fuze and igniting devices for various types of ammunition;
• Manufacture of cartridge cases for artillery ammunition of calibres 100 mm, 122 mm, 130 mm, and 152 mm;
• Propelling charges for artillery ammunition.

Other activities:
• Successful re-attestation and performance restoration of all kinds of guided products of the ATGM type;
• Development and production of tooling equipment, shaping tools, devices, machines and facilities required for the equipping of the machining, electroplating, heat treatment and special production.

VMZ EAD holds an export & import license and a certificate of registration for broker activities and transfer of weapons. The company is therefore not only a manufacturer of standing reputation, but a reliable trade partner as well.

Certificates
A quality management system certified for conformity with the requirements of the ISO 9001:2008 international standard and NATO standard AQAP 2110 has been set up at VMZ EAD. The high quality and up-to-date performance specifications of the products manufactured by VMZ EAD have been marked very high by the experts from the Ministry of Defense of the Republic of Bulgaria as well; some types of them have been accepted into service with the Bulgarian Army, while acceptance into service of other types is underway.
BULGARIAN DEFENCE INDUSTRY ASSOCIATION

Address:
1574 Sofia, 67 Shipchensky prohod Str.
Tel.: +359 2 46 26 255
Fax: +359 2 46 26 300
E-mail: bdia@ims.bas.bg
E-mail: stvims@ims.bas.bg
www.bdial-bg.com