





# “Kalashnikov” now

Corporate group “Kalashnikov” is a multisectoral holding company that holds leading positions in certain segments in both military and civilian product lines.

The mission of “Kalashnikov” corporate group — development of highly effective integrated solutions that would improve security and effectiveness of human activity.

“Kalashnikov” corporate group is the largest Russian manufacturer of firearms, guided artillery shells and a large spectrum of precision-guided munitions. “Kalashnikov” is the largest small arms manufacturer in Russia, responsible for 95% of firearms produced in Russia.

Companies of “Kalashnikov” corporate group manufacture specialized integrated systems for both military and civilian markets. Among those systems are remote controlled weapon stations, unmanned aerial vehicles and products for aerospace industry. Development of robots for military applications is a new activity undertaken by the corporate group.

Shipbuilding is another important development direction and includes multipurpose speedboats for military and law enforcement units as well as vessels for a civilian market including prospective hydrofoil boats.

Another new product line is special clothing, load bearing and protective gear for military and law enforcement personnel, as well as clothing and equipment for outdoorsmen and people who like active lifestyle.

# Mikhail Kalashnikov 100th anniversary

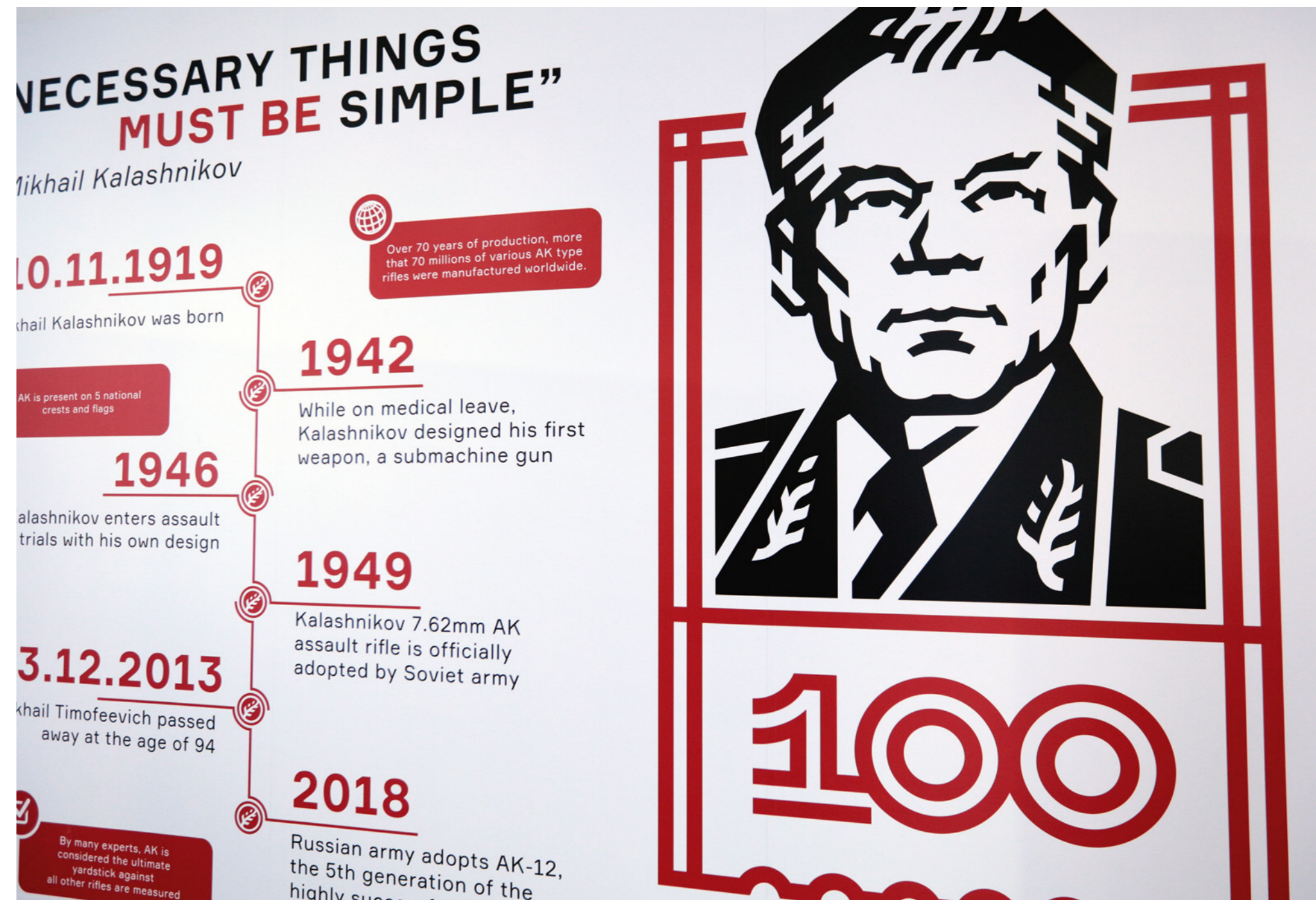
In the year 2019 we celebrate an important historical date — 100th birthday of the famous small arms designer Mikhail Kalashnikov (November 10th, 1919 — December 23 th, 2013), creator of the legendary AK assault rifle.

Mikhail Kalashnikov had long and eventful life. He fought in the Great Patriotic war of 1941 — 45 as a tank commander, and through the series of subsequent events, his talent and determination eventually made him one of most famous small arms designers of the 20th century.

From 1948 and until his death, he worked to protect our Motherland along with the people from Izhevsk Machine Building plant, which now forms a core part of the corporate group which proudly carries his name into the future. During his decades of work, Kalashnikov designed several important guns besides his trademark AK, including highly successful PK general purpose machine gun, which is often considered the best in its class.

Motto of the Mikhail Kalashnikov, which he often shared with others, was “Everything that is necessary must be simple, and everything complicated is not necessary”. However, to make his guns to be the simplest to use and maintain, Kalashnikov made massive efforts of research, designing and testing, which eventually paid off during actual combat use of his creations.

It must be noted that Mikhail Timoffevich was a very friendly, easy-going man, greatly respected by everybody who had a chance to work with him. He worked at IZHMASH almost until his death. However, his most important heritage is his weapons, for many decades used to ensure security of the state and safety of its people. All around the world Kalashnikov is praised as a very successful and talented small arms designer. He is an outstanding member of the Soviet and Russian school of small arms design, and his influence is visible all around the world. Influence of his design solutions can be found in many weapons produced around the world, from Belgium and Bulgaria, to China, Italy, Finland and Switzerland.



# LAND



# WATER



# AIR



Land cluster of the Kalashnikov group offers to the government and private clients high quality small arms and equipment and integrated solutions for manufacturing industry and transport. The land cluster of Kalashnikov group consist of the following product lines:

**Small arms, precision munitions and specialized weapons.** Enterprises of Kalashnikov group produce both military and civilian products. Kalashnikov group is the largest Russian manufacturer of military automatic weapons and sniper rifles, guided artillery shells, and wide range of precision weapons. Civilian products include three world famous brands. **AK** — one of the most famous gun brands in the second half of the XX century. AK is more than just a weapon. It is reliability, perfection, safety and striving to the future based on the strong foundation of the past. **Baikal** offers a great choice of civilian firearms, from air pistols and rifles for recreational shooting to modern shotguns and rifles, as well as competition and service pistols and less lethal firearms. **IZHMASH** is a brand, famous for small bore and air rifles for biathlon, which were used by several generations of athletes to set world records and win Olympic medals.

**Equipment and gear. Gruppa 99** — high quality clothing and equipment for special forces and people who like active lifestyle.

**Vehicle manufacturing. MMZ** — one of the leaders on the market of manufacturing tracked vehicles and off-road chassis, which serve as a base modern weapon system and their maintenance.

**Electrotechnics** is one of areas for civilian sector of Kalashnikov group. It includes electric motorcycles, electric crossover cars and other vehicles, powered by electricity. Currently those vehicles are already used by Russian government agencies.

**Robotics** — division of Automation and Development department (A&DD) of the Kalashnikov group. A&DD staff is developing combat modules and systems, new product concepts. Robots can solve various tasks and serve multiple purposes, from engineering to combat.

**Machinery manufacturing** and engineering. Kalashnikov Engineering is designing and manufacturing cutting-edge machines and tools and provides engineering services, IT software development, service of equipment and development of manufacturing systems.

**Medical equipment** — among other civilian products of Kalashnikov group, modern high-tech medical devices have an important place. Pacemakers, endocardial electrodes and cerebral hypothermia equipment.





This year we celebrate 70th anniversary of the adoption of the AK — avtomat Kalashnikova.

Original AK rifle was adopted for service in Soviet Army through the decision of the Soviet government, signed into effect on June 18th, 1949 and still remains to be the world's most popular and widely used assault rifle. According to available estimates, during the last 70 years at least 70 million of AK-type assault rifles were produced around the world. High combat effectiveness, unsurpassed reliability and simplicity of manual of arms made AK a universal yardstick against which all other similar guns are compared to this day. However, basic AK system does not remain exactly the same — it constantly evolves, thanks to continuous hard work of Izhevsk designers who proudly

carry on visions of the Mikhail Kalashnikov into the future. Adoption of the most modern AK-12 and AK-15 assault rifles, which happened in 2018, clearly demonstrates that this venerable system still has significant potential, laid down by Mikhail Kalashnikov and can deliver high effectiveness even under most demanding circumstances. Design engineers from Izhevsk continue his work, developing new military and civilian firearms.

Today, civilian weapons based on military firearms are produced under the AK brand: sporting weapons for practical shooting competitions and training as well as blank firing guns and replicas.



Baikal is a world famous Russian gun brand.

The history of Baikal is interconnected with Izhevsk Mechanical plant.

Izhevsk Mechanical plant was founded on July 20 1942. The first products manufactured by the factory were anti-tank rifles, pistols, revolvers and other weapons designed by Soviet engineers. In 1949, new production line for civilian weapons was established.

Baikal trademark originated in the early 60s of the XX century, when famous Izhevsk engraver Leonard Vasev designed a new logo for hunting weapons manufactured at the Izhevsk Mechanical plant.

Today, besides sporting, hunting weapons and pistols Baikal manufactures a selection of outdoor products. Due to its reliability in the most in the most difficult conditions, Baikal products are recognised not just in Russia, but also in over 40 countries around the world.



# IZHMASH



**IZHMASH**

IZHMASH brand produces modern biathlon rifles: Bi-7-4, Bi-7-5, new Bi-7-7, and other firearms.

This brand has a rich history: first Soviet “Biathlon-59” rifles were developed in Izhevsk in 1959 for 1960 Olympic games in Squaw Valley. Development was led by E. Sevemovih in collaboration with designers E. Dragunov and A. Shesterikov. From that time biathlon rifles from Izhevsk were upgraded multiple times, but accuracy and reliability remain invariable.

Over 40 years, Izhmash gunsmiths have been supporting the Russian National team at international competitions and therefore, know what biathlon athletes need to achieve the best results.

In its long history, Izhevsk competition rifles received many international and domestic awards and always accompanied Soviet and Russian biathlon athletes at World Cups, world championships and Olympic games. To honor those firearms, a new competition series called “Izhevsk rifle” was founded in 1969. Over time, this competition series became a first stage to pick the best athletes to the National team.

Today, many famous biathletes of Russian National team use IZHMASH rifles: Evgeniy Garanichev, Anton Babikov, Matvey Eliseev, Uliana Kaisheva and others.

In the near future, Russian biathletes will receive new Bi-7-7 rifles and ammunition developed by IZHMASH brand.



Gruppa 99 develops, manufactures and supplies equipment of equipment for special operations forces since 2012. The company pays close attention to functionality of their products and quality of the materials. Group 99 products are developed and manufactured in Russia, tested by special operations units and are designed to insure maximum durability and comfort for the end user. Company's employees and consultants are former and active duty officers of Russian special units, hunters, athletes, who competed and won at world championships and Olympic Games.

Group 99 products create an integrated modular system, which can be adapted to the environment due to its design and use of modern materials.

**Product lines include:**

1. Multi-layered system for special forces where combination of different elements allows end user to operate under any climate conditions and environments, combining different layers of the system.
2. Modular load carriage system that allows operator to carry different packs, weapon systems and specialized equipment.

3. Modular load bearing system is an adaptable highly scalable body armor solution that can be used in a wide range of missions — from concealable low-profile body armor to heavy configuration that provides full protection.

4. Product line of casual and city outdoor style clothing and accessories under the "Kalashnikov" brand.



The Mythischinsk Machine-building factory (MMZ) traces its roots to “Moscow joint stock company of railroad car manufacturing” that was founded in 1897. In its current form MMZ brand have been working since 2009 and recently celebrated its 10-year anniversary. MMZ manufactures unique chassis for tracked vehicles.

Today, the factory produces 13 different types of tracked vehicles based on the GM-569 tracked chassis.

# MMZ

Mythischinsk  
Machine-building  
factory

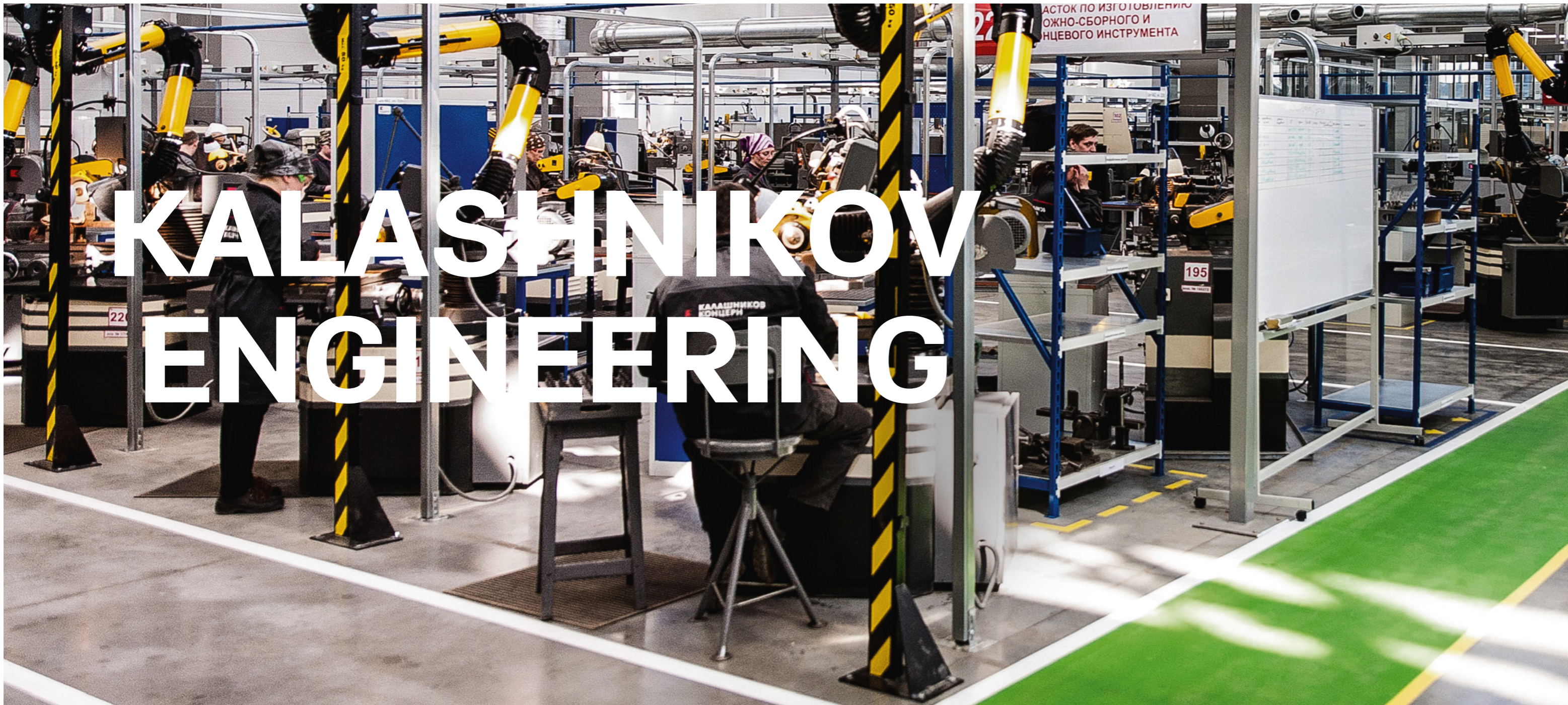




# ROBOTICS

Robotics is a dynamically evolving market for Automation and Development department (A&DD) of the “Kalashnikov” group. A&DD staff is developing combat modules and systems, new product concepts. Among their products are remotely controlled weapon stations for automatic weapons and fully automated combat systems. Neural networks are another important segment of development, which, when embedded into combat modules, can solve various tactical tasks with no human input.

“Kalashnikov” robots can solve various tasks and serve multiple purposes, from engineering to combat. Multiple units in Russian Armed Forces use them. Our robots can operate as stand-alone units or in a networked environment, alongside other specialized equipment, such as BK-16 fast naval craft.



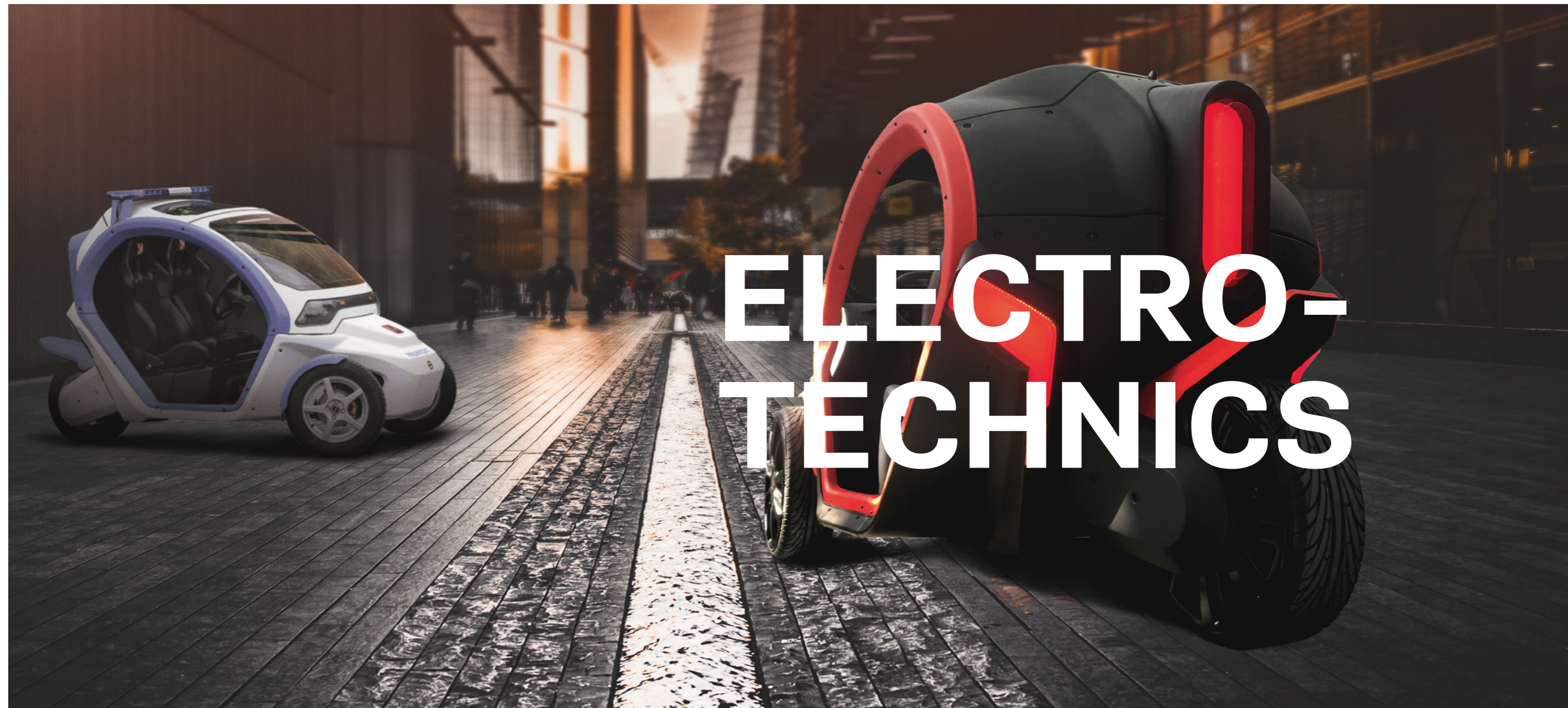
Kalashnikov Engineering brand covers services and products for manufacturing in civilian sectors. Kalashnikov Engineering implements new approaches to production management and offers broad range of complex services, which can significantly improve functioning of a manufacturing process, bring it to the next level and make it more effective and modern.

Services include industrial machine and tool manufacturing, forging and casting of metals, IT services in manufacturing and plant management, consulting and audit. Other services include manufacturing preparations, production equipment service and maintenance. Special attention is given to the Quality Assurance systems and management. Other areas of expertise include design and construction of various civilian complexes and objects, from conceptual design and up to "turn-key" implementation.

Electrotechnics is one of promising areas for civilian sector of “Kalashnikov” group. It includes electric motorcycles, electric crossover cars and other vehicles, powered by electricity, for civilian and military use.

Electrically powered vehicles from “Kalashnikov”

Are already in use by various branches of Russian government. Moscow police employed electric motorcycles during Football World Cup of 2018; electric crossover cars are used to patrol parks. Vehicle control branch of the Russian Military police uses electrical motorcycles for patrolling and escorting. “Kalashnikov” electric motorcycles were used with great success during 2019 Victory parade in Moscow.



# MEDICAL EQUIPMENT

Kalashnikov group manufactures many high-tech products. However, medical equipment always had a special place in the product line. Combination of innovative technologies and modern materials both preserves a life of a patient and improves its quality.

One example is artificial cardiac pacemakers — miniature devices surgically installed into the body of a patient. Thanks to those devices, patients suffering from pacing deficiencies and atrioventricular conduction, who would never survive without a pacemaker are now able to full and fulfilling life.

Cerebral hypothermia medical equipment help to save central nervous system of patients with serious injuries, minimize brain damage after a stroke, which increases survivability and prevents disability.

# WATER

In the naval sector, “Kalashnikov” corporate group competences include several shipbuilding companies that develop and produce modern vessels and boats.

**Vympel shipbuilding factory** builds modern high-speed boats for Navy and other security services, as well as hydrographic vessels, arms transportation ships and wide range of civilian crafts and boats, including high-speed passenger hydrofoils ships.

**Rybinskaya shipyard** is a full cycle ship manufacturing plant, which specialises in development and production of high speed assault crafts, patrol and diver boats and specialised vessels.

**Nobel brothers shipyard** is the ship building factory on the Upper Volga, which builds, repairs and upgrades various riverine and naval civilian ships.

# RYBINSKAYA SHIPYARD



RYBINSK SHIPYARD

Rybinskaya shipyard is a full cycle ship manufacturing plant founded in 1947 on the shore of the biggest reservoir in Europe. Over the years, the shipyard designed and built over 3000 of various ships and vessels. Now, current development and manufacturing potential allows the shipyard to build over 30 modern and high quality vessels every year. Flexible management system allows can both facilitate mass production and custom orders.

VympeL brand represents a dynamically evolving shipbuilding business that produces small and medium riverine and sea-going crafts for civilian and military use. Since its foundation in 1930, VympeL delivered over 30 000 ships and smaller vessels of different types. During last 40 years, over 1800 fast motor boats were delivered to 29 countries in Europe, Middle East, VYMPPEL S-E Asia and South America.





Nobel Shipyard Ltd

Nobel brothers shipyard is a brand representing reliability and quality. Manufacturing capabilities of the company are developing in accordance with modern requirements of the shipbuilding industry, allowing to build vessels with deadweight tonnage up to 7000, up to 140 meters in length, up to 17 meters width, and launching weight up to 2700 tons.

Shipbuilding is conducted in the indoor facilities, which allows working on assembly and painting all year round. Because the plant has all necessary shipbuilding technologies, modern IT software, quality control on every stage from R&D to final assembly, qualified personnel, it can undertake project that require high level of technology and craftsmanship and complete them on time within the assigned budget.

The shipyard can build passenger boats, oil tankers, fishing and special purpose crafts, as well as military ships of small and medium tonnage.

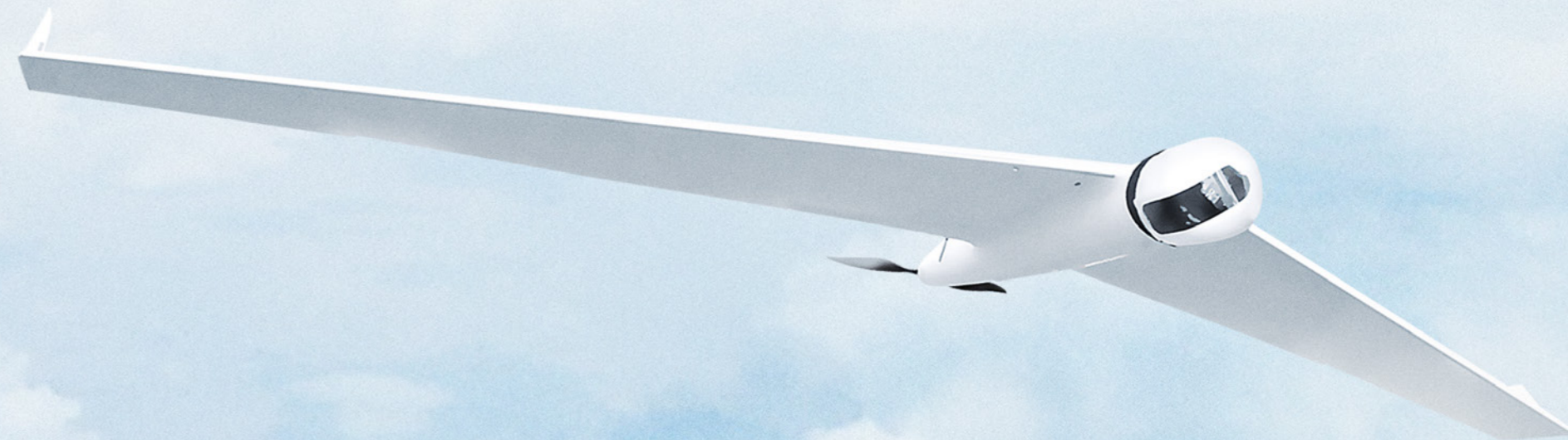
Location of "Nobel brothers shipyard" with access to Baltic, Black and Caspian seas allows the company to quickly transport the ships anywhere in the world to the customer.

Air cluster of Kalashnikov group has several product lines: UAVs, missile defense systems; the group also has unique competencies in testing of aircraft weapon systems and aerospace equipment.

**UAV. ZALA AERO** brand is as old as Russian UAV industry. It is the only company in Russia, which can develop complete integrated systems that consist of UAVs, payloads, ground based control stations, communications, IT software, mobile systems.

**Aerospace. NPO Molniya** — one of the leading developers and manufacturers of space-based missile defense systems. At the moment, the company produces target missiles for air defense and airspace forces training and testing innovative aerospace armament systems.

# AIR



# ZALA AERO



Starting from 2004, ZALA AERO is the leader of the UAV market in Russia. Integration of Zala Aero products into the energy industry, gas and oil, wood and even airspace industries allowed companies to perform a technological leap in terms of planning and analysis, minimize human factor and optimize spending. Right now, Zala Aero UAVs are working in many regions of Russia from North Caucasus to Far East at the biggest projects of the oil industry.

Every day over 150 flights conducted, both during the day and at night, with overall flight distance of 200 000 kilometers. Due to effective cost saving compared to traditional monitoring systems, Zala Aero UAVs became mandatory solutions for the largest companies in the oil industry.



Scientific and manufacturing company NPO Molnija was founded in 1976 as a leading manufacturer of the Buran space shuttle.

Today NPO Molnija has significant scientific and research capabilities, modern production facilities and a lot of practical experience in creation of most modern and advanced space, missile and aircraft systems. Those systems are among the world's best in their classes, and, for certain important parameters, are the best in the world.

NPO Molnija is a leader in development and manufacture of rocket-based target drones for live fire practice of Air and Space defense systems and personnel, as well as for test and evaluation of advanced and experimental anti-aircraft and anti-missile weapon systems. Company offers complete lifecycle support for its products, from development and production to after-sales support and maintenance.





# KALASHNIKOV MEDIA

Kalashnikov Media began working in the summer of 2017 as a multimedia platform, which publishes videos, photos, podcasts and articles about weapons, sports and technology. The portal is Kalashnikov's main communication channel with external audiences and the media. Kalashnikov Media audience is approximately 13 million unique visitors per month with a total number of views over 42 million. The core audience is men aged between 25 and 44.

Kalashnikov Media is also responsible for the management of Kalashnikov's social media. The total number of subscribers on all social media platforms today exceeds 300,000 users.

Kalashnikov Media also creates special media projects with some of the largest Russian mass media: Perviy Kanal, Lenta.ru, Kommersant, RT, Zvezda, Popular Mechanics, Argumenty i Fakty and others.

One of the most important areas of activity of Kalashnikov Media is the coverage of biathlon competitions of the World Cup, which are carried out in partnership with the International Biathlon Union. During the seasons 2017-2018 and 2018-2019 KM made about 400 video clips which were widely quoted by the largest sports media in Russia — Championat, Sports.ru, Match TV, Sport-Express and others.

Kalashnikov shooting centers were introduced to develop shooting infrastructure, improve the culture of safe gun handling and promote shooting sports in Russia.

Shooting centers are not just for firearms training, there are also facilities for games such as laser tag, airsoft, and other sports that do not require firearms.

The main Kalashnikov shooting center in the Patriot Park is already going through the testing phase, and further development of the network will be franchise based. Kalashnikov group will transfer its world famous brand and unique competencies, developed into the best business practices.





[WWW.KALASHNIKOVGROUP.RU](http://WWW.KALASHNIKOVGROUP.RU)