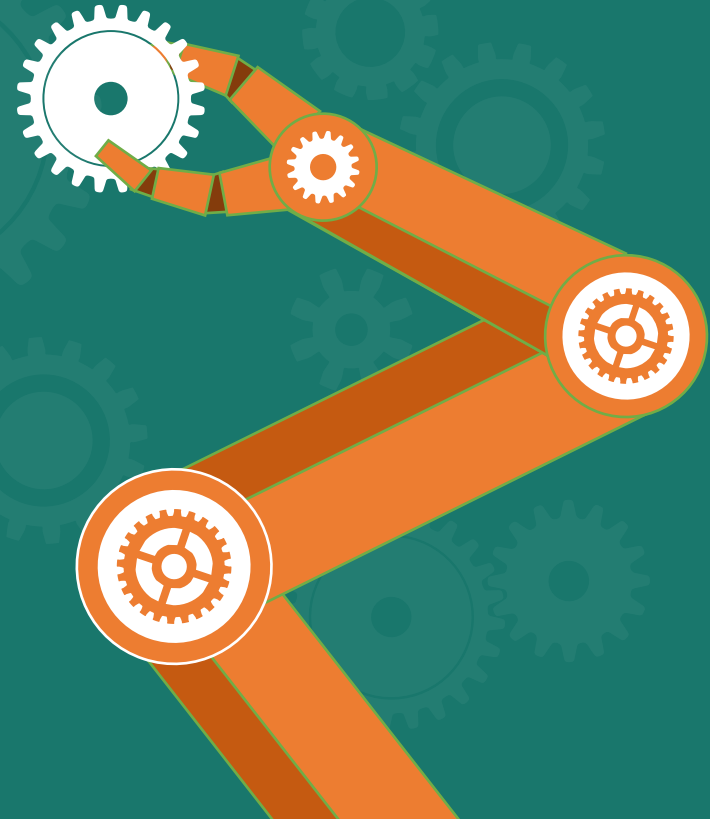


«NC «Kazakhstan Engineering» JSC



Your provider to the Technological and Defense production market in
the Central Asia and Middle East

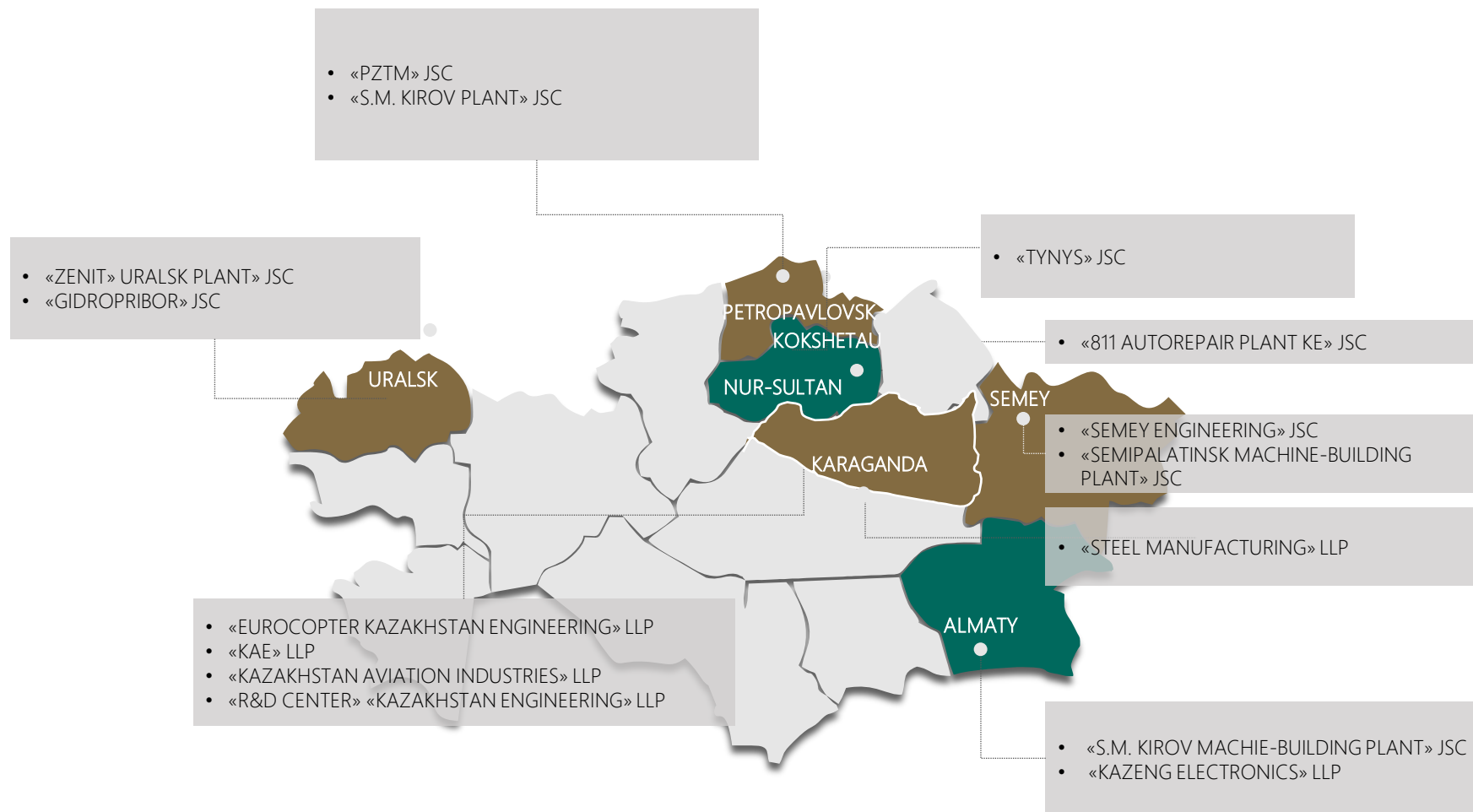


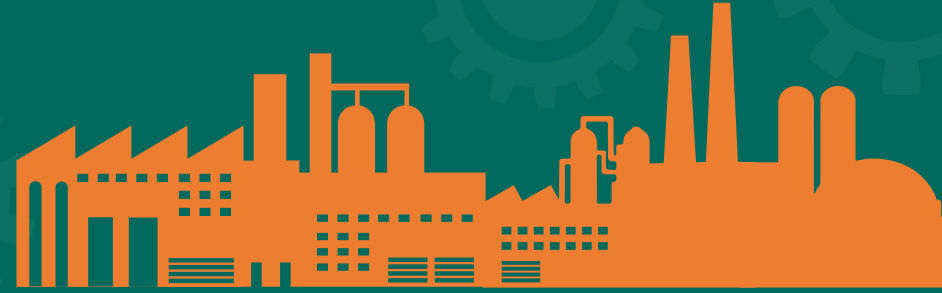
Mission: provide competitive high-tech solutions and products for the needs of the Military Forces of the Republic of Kazakhstan through the effective development of technological capabilities.

«National Company «Kazakhstan Engineering» JSC was established in 2003 and implements state policy in the sphere of defense, civil and dual-purpose products manufacturing, participation in a unified military and technical policy, implementation of military and technical cooperation, formation, placement and execution of the State defense order.



THE GROUP'S ACTIVITY ON THE TERRITORY OF THE REPUBLIC OF KAZAKHSTAN





Manufactured products



«SEMEY ENGINEERING» JSC «SEMIPALATINSK MACHINE-BUILDING PLANT» JSC



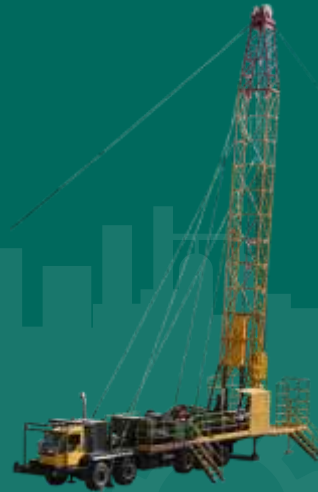
Manufactured products

- Service, repairment and modernization of armored vehicles (T-72, APC, BMP).
- Repairment of special equipment (IMR-2 on T-72 chassis, BAT-2, BREM, EOY-4421 on KrAZ chassis, PTS-2);
- Production of components for military equipment;
- Production of components for railways (gondola hatch covers, longitudinal sides, end platform sides).

Areas of planning production

- Organization of large-knot assembly of armored personnel carriers BTR-82A;
- Organization of large-knot assembly of special tracked fire-fighting vehicle SPM;
- Organization of licensed large-knot assembly of SBM «Tiger»;
- Production of special-purpose MAZ vehicles;
- Multi-purpose floating armored vehicle Vitim;
- «Cayman» MBT, «Volat» V-1 armored vehicle;
- Modernization of the tracked transporter-tractor GT-T (production of a prototype of light-armored GT-T instead of MTLB);
- Production of grain carriers.





Manufactured products

- Radio-electronic warfare and radio-electronic intelligence + service;
- Production of computers, laptops, tablets; production of multilayer printed circuit boards;
- Supply of radio-electronic equipment for railway transport;
- Production of rod pumping control units and electric motor control devices;
- RTO of the tactical missile system «Tochka-U»
- Design and Production work for a multiple launch rocket system
- Special equipment for oil production industry

Areas of planning production

- VHF, KV ranges radio-stations;
- Modernization of mobile radio relay station;
- Development of missile and fuel cluster;
- Production of shelters to deploy communication systems in the interests of the Military Forces of the RK ;
- Development of a prototype of an anti-tank missile system;
- Repair and modernization of the «STRELA» system;
- Development of radar and antenna platforms;
- Deliveries of «Convoy-P» system for railway direction;
- Creation of anti-fire robots;
- Supply of access control systems (ZIK-SCUD);
- Supply of highway medical and rescue stations;





«ZENIT» URALSK PLANT» JSC

«GIDROPRIBOR» JSC



Manufactured products

- Development work "Creation of an Auxiliary (multifunctional) vessel.
- RR and MRO of ships, boats, STSW and BRM
- Small patrol boats
- Border patrol boats
- Production of metal structures, vessels
- Peregrine Falcon 15, 16, 18 factory repair
- Mobile diving station, diving equipment
- Maintenance of inflatable life rafts PSN-16MK, PSN-10
- Production of sea buoys, milestones, navigational equipment.



Areas of planning production

- Troops vessel with a displacement of about 300 tons (Dugong type); sea-based PMB;
- Multipurpose fire-fighting and rescue vessel; rescue boat with cabin and open deck;
- Civil shipbuilding products and services (universal ships, tugs, fire-fighting vessels, etc.), lattice decks
- Patrol boats, small watercraft, inflatable sea target, naval simulators, target-training complexes, unmanned submersibles;
- Large shipboard shield;
- Multifunctional supply vessel, excursion and pleasure craft, boats, launches, mobile robotic complexes.





«TYNYS» JSC

«811 AUTOREPAIR PLANT KE» JSC



Manufactured products

- Body armor, special PS-01 sticks, protective helmets «Aspan - 1K», shock-proof shields SHO - 590;
- Medical equipment, electric wheelchair for adults and children, polyethylene pipes, firefighting equipment, gas shutoff valves, friction wedge, receiver, wiring products;
- BTR-60/70 armored personnel carriers, multipurpose light armored transporters, AC 5-40 fire fighting vehicles, repair of IMR-2, MTLB, intelligence and patrol vehicles, tracked and wheeled tractors, production, repair and modernization of fire tank trucks;
- Transporter-tractor truck «Batyr».



Areas of planning production

- Development of «Mobile Hospital» machines;
- Assembling of Kalashnikov AK-12 and AK-15;
- Creation of automatic fire extinguishing system;
- Dustproof device PALL;
- Production of military and civil gas masks;
- Production of radiators liquid cooling for military and special equipment;
- Assembly of technical assistance vehicles;
- Manufacture of agricultural machinery units;
- Assembly production of hydraulic cylinders.





Manufactured products

- Assembly of SkyLark-1Lex UAV systems
- Repair of Su-25 aircraft
- Regulated repair of C295M aircraft C+4Y-check
- C295M aircraft technical support
- C+8Y-check C295M repair
- Repair of Su-27 aircraft
- Regulated maintenance of An-72/An-74 aircraft

Areas of planning production

- Comprehensive service of SU-30 aircraft;
- Organization of joint production of L-39NG aircraft, as well as servicing of L-39 aircraft;
- Localization of L-410 aircraft assembly production
- Scheduled repair of C295M aircraft;
- Large-scale assembly of ANKA UAVs
- Establishment of barrage ammunition production





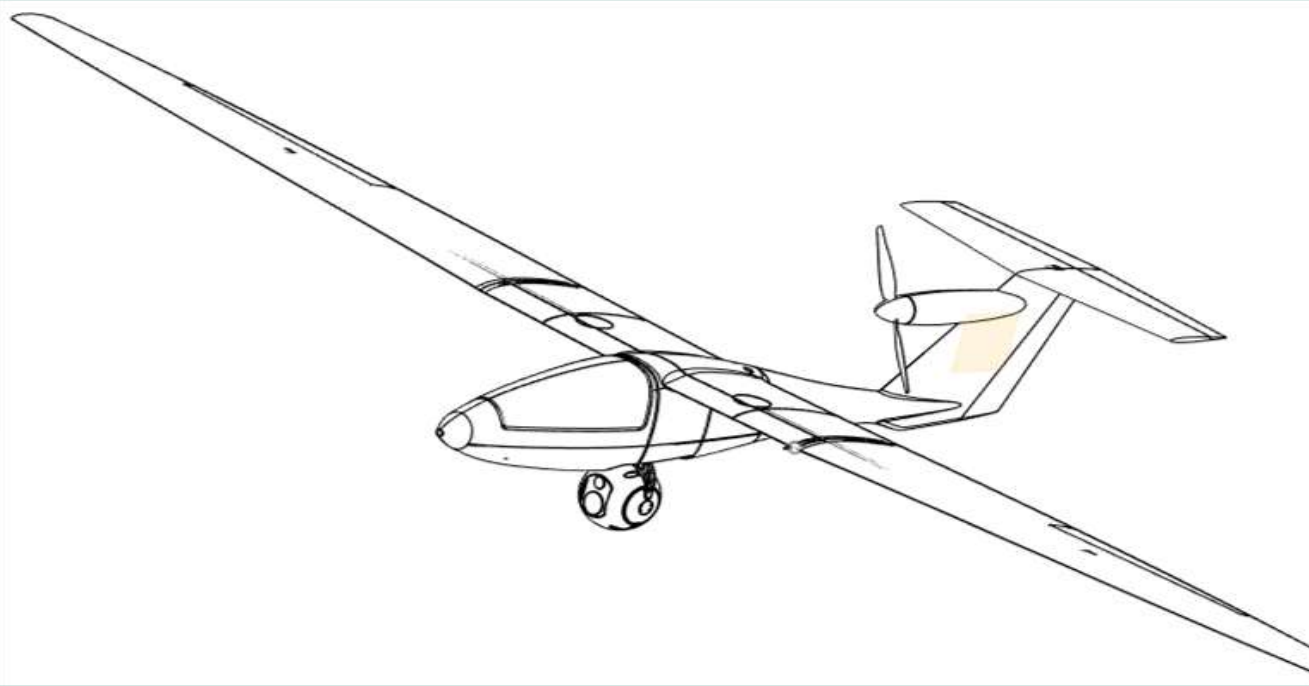
Areas of planning production

- Helicopter-type UAV «Hornet» prototype creation
- Expansion of export of products and services to foreign and neighboring countries (Tajikistan, Turkmenistan, Kyrgyzstan, Mongolia).

Manufactured products

- H130, H145 helicopters
- H125, H130, H145 helicopters
- Regulatory work (maintenance) on Airbus helicopters
- Training of technical personnel and pilots





Manufactured products

Main direction

- R&D on weapons of mass destruction, special equipment, etc.
- Development of national military standards, normative documents, etc.

Additional direction (services)

- Support of experimental development work in the interests of enterprises.
- Services in organizing weapons and military technology tests at testing grounds.
- Analysis of AMS lines of products, AMS markets, etc.
- Training courses for the defense-industrial complex

Areas of planning production

- Establishment of a training center for the military structures with virtual reality (VR) technologies
- Small target for air defense missile systems with heat flow simulator
- Tactical intelligence complex «Shagala-m»
- Loitering munition
- Robotized ground complex on the basis of a tracked platform
- Unmanned aerial system helicopter system





Areas of planning production

- MIRSAD situational awareness software
- NEFER 30mm stabilized remote-controlled combat module
- «Ihasawar» anti-drone electronic suppression system.
- Integration of a mobile intelligence and patrol system (MRPS) into military vehicles.
- Production of DS200T field automated tactical control telephone exchanges, AG-102 and TAG-102 firewalls
- Production of DMR Tier III standard radio stations
- Production of software and hardware complex of automatic warning system (CPS ASO)
- Production of signal and voice devices (SSD)
- Production of X-ray inspection systems

Manufactured products

- DMR communication
- Mobile software-based technical fire control system of 122-mm D-30 howitzer battery (MPTK-A)
- Software-defined HF, VHF military radio stations, intelligence and surveillance equipment
- Technical means of border protection, MIDAS signaling complex
- Production of «BIYOVENT» ventilators;
- Automated warning system.





Manufactured products

- Production of hydraulic products (hydraulic cylinders, spools, bypass valves, etc.);
- Modernization and repair of special products (torpedoes);
- Special barriers for emergencies;
- Spares for special products;
- Products of combustion automatics;
- Railway products;
- Production of line-suspended fittings;
- Valves, ball valves, flanges, rolling mills, electric breakers.



Areas of planning production

- Production of mines (MDM-1,2,3);
- Modernization of torpedo 53-65K, MDS-2510;
- Coastal torpedo complex for NSC RK;
- Development of new torpedo 324mm. For RK NAVY;
- Production of electrical transformers;
- Production of hybrid multi-system for purification and decontamination from viruses or activation;
- Development of R&D.





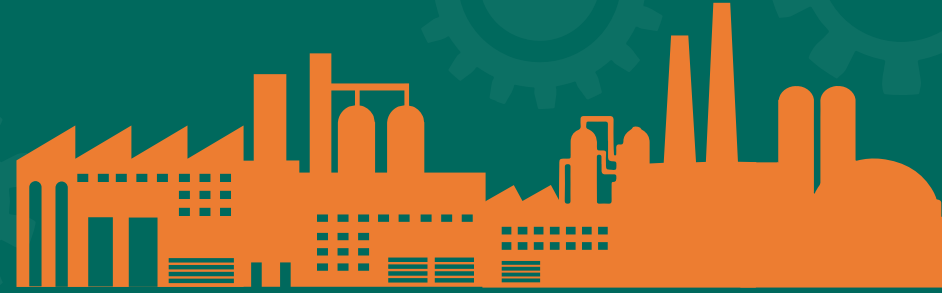
Areas of planning production

- Increasing the range of recyclable ammunition (hexogen-containing ammunition, ammunition up to 152 mm caliber, engineering ammunition)
- Launch of a line for the production of rifle cartridges (5.45x39 mm, 7.62x54R)
- Expansion of the range of cartridges produced (cartridges of NATO standard calibers .308, .338, .375)
- Disposal of unused military property in the form of ammunition at the expense of own funds to make a profit from the sale of recycling products (metal, gunpowder, TNT)

Manufactured products

- Industrial disposal of ammunition;
- Production of 9x18 mm cartridges;
- Production of 9x19 mm cartridges.





Perspective directions



SCIENTIFIC AND PRODUCTION PARK IN KARAGANDA

The composition of the scientific and industrial park:

- TOO «Steel Manufacturing»
- JSC «PZTM» (partially)
- JSC «MZK» (partially)
- JSC «ZIK» (partially)
- R&D Center Kazakhstan Engineering LLP

Location Karaganda region . Saran SEZ, restored mines

Park area More than 80g

Jobs More than 1000

Project cost *150 billion tenge (approximate)*

Planned terms of the project implementation
Design – 2022-2023.
Construction – 2023-2025.
Commissioning – 2026.

Source of funding State budget, shares of project partners.



Areas of planning production

Manufactured products

- Production of cartridges;
- Production of components for military equipment;
- Special purpose equipment;
- Civil engineering;
- Modernization and repair of specialized equipment for the Military Forces of the Republic of Kazakhstan;
- Special purpose textile products;
- Weapons products (MANPADS, ATGMS, barrage ammunition, etc.);;
- Scientific activity (R&D, OCD, etc.)



Development of residential infrastructure
(including shift camps)



Development of business infrastructure by attracting SMEs



Creation of training centers



Modern laboratories
R&D Center Kazakhstan Engineering LLP



SHIPBUILDING PARK IN AKTAU

The composition of the shipbuilding fleet :

- Joint venture with ASFAT and JSC «NC «Kazmunaygas»
- JSC «Ural Plant «Zenit»
- JSC «Gidropribor»

Location	Mangystau region, Aktau, Kuryk port
Land area	More than 30
Jobs	More than 500

Project cost *51.6 billion tenge (approximate)*

Planned terms of the project implementation
 Design – 2022.
 Construction – 2023-2024.
 Commissioning – 2025.

Source of funding State budget, shares of project partners.



Areas of planning production

Manufactured products

- Ships for the Ministry of Defense of the RK, the Ministry of Emergency Situations of the RK, the National Security Committee of the RK, etc.;
- Multipurpose vessels;
- Boats;
- Civil products;
- Provision of ship maintenance services;
- Production of components



Development of business infrastructure by attracting SMEs



Shipbuilding Park



Creation of training centers for the development of competent specialists



Modern laboratories JSC «Gidropribor»



AVIATION AND INDUSTRIAL PARK IN NUR-SULTAN CITY

The composition of the aviation and industrial park :

- «KAI» LLP
- «R&D Center Kazakhstan Engineering» LLP
- «Eurocopter Kazakhstan Engineering» LLP

Location

Nur-Sultan

Land area

Based on available capacities

Jobs

More than 300 new

Project cost

from 34.4 billion tenge (approximate)

Planned terms of the project implementation

Design – 2022.
Construction – 2023.
Commissioning – 2024.

Source of funding

State budget, shares of project partners.



Areas of planning production

Manufactured products:

- Mastering comprehensive aircraft maintenance;
- Organization of joint production of aircraft;
- Localization of aircraft assembly production;
- Mastering the large-node assembly of ANKA-S UAVs and analogues;
- Creation of production of barrage ammunition;
- Organization of joint production of helicopters;
- Mastering integrated helicopter maintenance.



Development of aviation training centers



Developing competencies for designing and creating your own copies



Working with small businesses to develop competencies in the aircraft industry and the production of components



Formation Of An «Aviation Production Cluster»



Administrative Block

- R&D Center
- Representatives of international companies
- Training Center
- Startups



- Assembly of SkyLark-1 Lex UAV systems
- Repair of C295M C+4Y aircraft-check
- Organization of joint production of aircraft "L-39NG
- Mastering the large-node assembly of the ANKA UAV



- Helicopters and assembly, with helicopter aintenance

- Specializes in the organization of supplies and production of lighting equipment systems for airfields and heliports.



- UAV Targets.
- Kamikaze Drone.
- Shock UAV
- Helicopter-type UAV
- Accessories for UAVs

- Automated control system development
- Software development for UAVs, Drones.

- Avionics and navigation systems for UAVs, Aircraft.
- Radar devices
- Aviation components

- Basic maintenance of Airbus family aircraft";
- *Linear maintenance of Boeing 737, 757, Bombardier CRJ 200 aircraft;*

- Implementation of protective coatings on aviation equipment and development of protective camouflage schemes.



A PROJECT TO CREATE A JOINT VENTURE WITH TURKISH AEROSPACE

Technical and economic indicators

Areas of planning production

Defense

- Aircraft for advanced flight training
- 5th generation fighter
- Multifunctional combat helicopter
- Light combat training jet aircraft for advanced training
- Heavy attack helicopter
- Military high-speed drone

Civil

- General purpose helicopter
- 10 ton general purpose helicopter
- UAV with high payload capacity

Place

Nur-Sultan Aviation and Industrial Park

Area

More than 10 ha

Work places

More than 5000

Project price

(estimated, according to partner calculations)

34.4 billion tenge (the final cost of the project will be determined after the development of feasibility study)

Planning project realization date

Design - 2022.
Construction - 2023-2024.
Commissioning - 2025.

Source of funding

The state budget





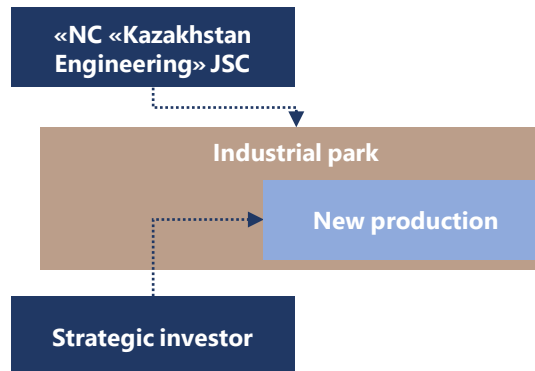
Financial investments

Possibility of acquiring a company from the asset portfolio

The Company is currently carrying out internal preparatory work to improve operational and financial efficiency and determine the optimal perimeter for the possible transfer of assets to a competitive sector.

7

Enterprises from the portfolio of «NC «Kazakhstan Engineering» JSC are considered for transfer to the competitive sector.



Services:

- Provision of a production site;
- Opportunity to invest in the development of an industrial park together with «NC «Kazakhstan Engineering» JSC;
- Full support for obtaining the State Defense Order;
- And other services.

Strategic investments

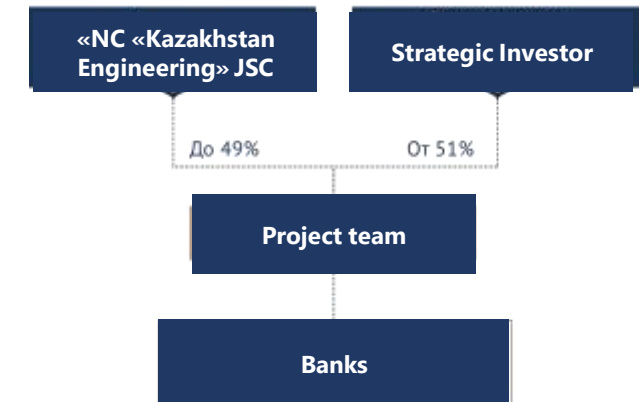
Investments in major infrastructure projects

The Company's previously indicated projects to create industrial parks are a strategic area of development:
 Aviation-Industrial Park;
 Science and Industry Park;
 Marine-themed Industrial Park.

Direct investments

Implementation of new promising investment projects

In accordance with the mission and concept of development, taking into account the challenges and opportunities at the global, national and corporate levels, the key priorities are: sustainable development, responsible investments, efficient and active portfolio management. We are interested in attracting investment and technology to implement breakthrough and high-tech projects.



IRR > CoE, NPV > 0
 Own funds of the «NC «Kazakhstan Engineering» JSC not more than 30%



Contacts:

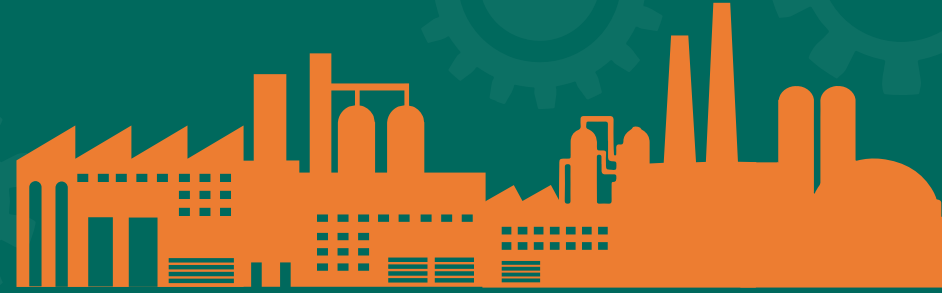
**DIRECTOR OF THE DEPARTMENT OF INVESTMENTS AND
INTERNATIONAL COOPERATION**

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«NC «Kazakhstan Engineering» JSC

**Thank you for
your attention!**