



Investment passport of the city district Zhukovsky



2019



Dear partners and investors!

The city of Zhukovsky has every reason to be proud of its history and confidently look to the future. It was established as the country's first science city - the center of domestic aviation science.

In the economy of the city, high-tech enterprises are actively working, the area of specialization of which belongs to a wide range of activities.

In accordance with the tasks set by the Governor of the Moscow region A. Yu. Vorobyov, we are working on the formation of a new attitude to entrepreneurship while maintaining the main priorities of supporting the modernization of production, innovation, socially-oriented entrepreneurship.

Among our priorities, one of the main is the creation of zones of innovative development on the territory of the city district Zhukovsky, which will give impetus to the activities of entrepreneurship in the field of high technology.

We love our wonderful city and appreciate your desire to work together to make it more comfortable, promising and richer. We are open for active partnership and cooperation in any sphere of life of our city!



The Mayor Of Zhukovsky

Yuri Vyacheslavovich Prokhorov

Competitive advantage



- ❖ **Favorable geographical location of the city** - 25 km South-East of Moscow in the area of accessibility of all modes of transport: the Moscow-Ryazan railway, Ryazan highway, the Moscow river, the international airport "Zhukovsky".
- ❖ **The high concentration of large and small research and production enterprises of aviation and related industries** allows us to implement a closed cycle from fundamental and applied research to new aerospace technologies and equipment, covering the entire range of tasks of aircraft and related industries.
- ❖ **Free land plots.** The industrial Park "Zhukovsky" with an area of 125 hectares. Work is Underway to create an industrial Park "center of innovative economy" on a land plot with a total area of 343 hectares (municipal property).
- ❖ **The presence of the largest exhibition area of the country** - Transport and exhibition complex "Russia" - the venue of the international aviation and space salon MAKS.
- ❖ **International and inter-municipal relations** with the cities of Le Bourget (France), Zhuhai (China), Fangcheng (China), Ulyanovsk (Russia).
- ❖ **The developed system of higher and secondary education** prepares highly qualified specialists in the field of aircraft construction and related industries.
- ❖ **Comfortable living zone** - Zhukovsky is surrounded by forests, which saves it from environmental threats. The city is easy to breathe thanks to the numerous coniferous and deciduous trees. Near the city there are rivers Moscow, Pekhorka and Bykovka, there are lakes. According to the results of the General rating of attractiveness of the urban environment for 2013 Zhukovsky entered the 20 most attractive cities in Russia with a population of more than 100 thousand people.



International cooperation

In order to exchange experience and cooperate on the principles of equality and mutual benefit in the field of economy, science and technology, culture, education and sports, Zhukovsky city district has signed agreements with the twin cities:



Le Bourget, France - located 12 kilometers from the center of Paris and is its suburb. The number of 11 thousand people. The venue for one of the world's most prestigious and largest aviation exhibitions is the Paris air show, which has been held in Le Bourget every two years for more than 100 years.



Ulyanovsk, Russia - located on the Volga upland, on the banks of the Volga and Sviyaga rivers. Population - 638 thousand people. The economy of the city of Ulyanovsk has great opportunities for the development of cooperation processes. The basic sectors of the city's economy are aircraft manufacturing, automotive manufacturing, production of electronic components and building materials, food and processing industry. The city has an aviation cluster and an airport special economic zone.



Zhuhai, people's Republic of China - located on the southern coast of China at the mouth of the Zhujiang river. Number-1,7 million people. The basic sectors of the city's economy are mechanical engineering, automotive, shipbuilding, electrical engineering, instrumentation, pharmaceuticals, information technology. Zhuhai has earned a reputation as a "Chinese science city" and a city of students. It hosts the international Chinese air show and is one of the 7 largest scientific and technical zones of China.



Fangcheng, people's Republic of China – located in southern China in Guangxi Zhuang Autonomous region. The number of 1.4 million people. the Basic sectors of the city's economy are engineering, shipbuilding, electrical engineering, instrumentation, information technology. Seaport.

The enterprises of the city have wide international contacts, their permanent partners are Boeing Company (USA); Airbus Group, EADS, Dassault Aviation, Safran, NLR, DLR, ONERA, NUMECA,, TU Braunschweig, Ecole Polytechnique Federale De Lausanne (EU); FIT Additive Manufacturing Group (Germany), Embraer, Mectron (Brazil); NAL / HAL (India); Hongdu Aviation industry Corporation, SAE, FAI, AVIC, cardc, facri, Sadri, COMAC (China), China flight research Institute (CLI) and others.



History



Zhukovsky is not one of the oldest Russian cities, but its history is interesting and unique in its own way. It contains the whole epoch when centuries-old dreams of people about air and space flights came true.

Construction of the city of Zhukovsky began with the decision of the government, adopted in January 1934, to establish near Moscow a new base of the Central Aerohydrodynamic Institute (TSAGI). It was planned to build the country's first science city - the city of domestic aviation and science.

Initially, the village in 1939 was given the name Stakhanovo.

In March 1941, on the basis of TSAGI was established Flight research Institute (LII).

In 1947, in honor of the 100th anniversary of the birth of the outstanding scientist, the founder of TSAGI Nikolai Egorovich Zhukovsky, the village was transformed into the city of Zhukovsky, Moscow region.

In 2004, the law of the Moscow region gave the city of Zhukovsky the status of an urban district, the boundaries of the city expanded by 400 hectares.

Today the city district of Zhukovsky is the all-Russian center for research, development and experimental work in the aviation industry and related industries of radio electronics and instrumentation.

High potential of scientific-production complex of the city, according to scientific, scientific-technical and innovative activity, experimental development, testing and training in priority directions of development of science and technology of the Russian Federation became the basis for the assignment Zhukovsky the status of science city of the Russian Federation (decree of Russian Government dated 29.01.2007 № 53).

Geography

The area of the city district Zhukovsky - 4 722,9 hectares

Located in the Moscow region, 25 km Southeast of Moscow

The territory of the city is limited by the railway, the Moscow river and the borders of neighboring settlements. It is located in the zone of accessibility of all types of transport and three highways of the Eastern direction:

- ❖ The Northern border of the city district coincides with the railway of the Ryazan direction of the Moscow-Ryazan railway
- ❖ Near the South-Western border of the city district is the Federal highway M-5 "Ural»
- ❖ On the territory of the city district flows the Moscow river (with tributaries-the rivers Bykovka and Khripan)



Transport links

The extensive network of highways of the city district of Zhukovsky includes roads of regional and local importance.

Urban transport is represented by urban and suburban bus routes, as well as a large number of taxis.

Within the territory of the city district is the railway Ryazan direction MR with a new platform for the Express "Satellite". There is an international airport "Zhukovsky", after the completion of the stage of development of which in 2018 is projected to increase passenger traffic to 2.5 million passengers, service up to 100 thousand tons of cargo annually.



3
km

to the highway
M 5

23
km

to the MKAD

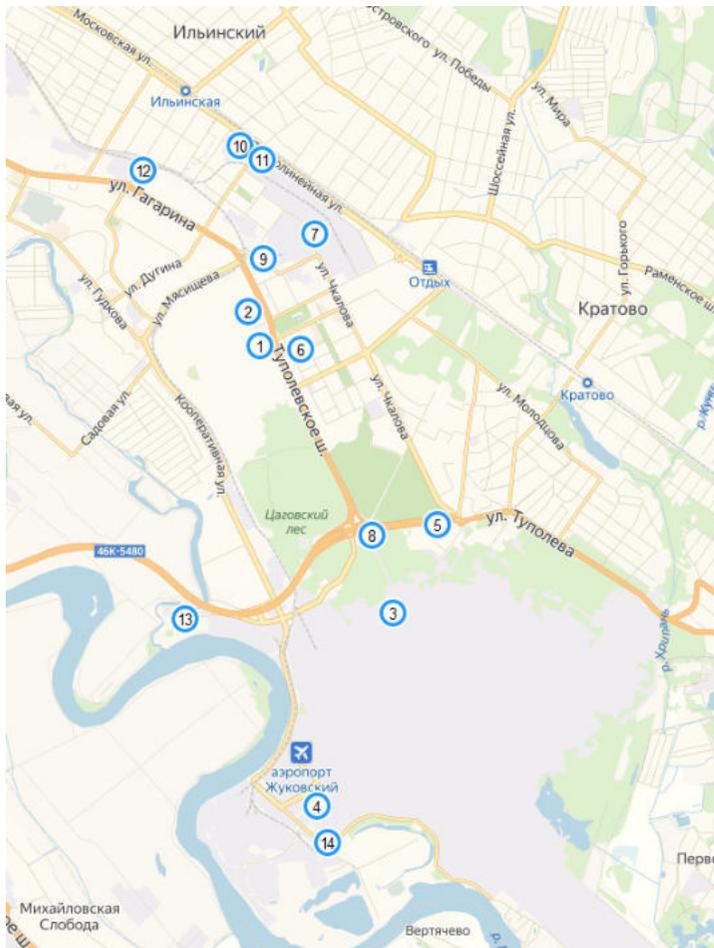
13
km

to the highway
A 107

3
km

railway stations:
Ilyinskaya,
Otdykh, Kratovo

Large enterprises of the city



Research and production organizations:

1. FSUE " Central Aerohydrodynamic Institute. prof.»
2. JSC " scientific research Institute of instrument making. V. V. Tikhomirova»
3. JSC " Flight research Institute. M. M. Gromova»
4. JSC " Experimental machine-building plant. V. M. Myasishchev»
5. JSC "Scientific-research Institute of aviation equipment»
6. LLC " Scientific and engineering company»
7. JSC "center for scientific and technical services" Dynamics»
8. JSC "Moscow research Institute" Agat»

Industrial organizations:

9. LLC Zhukovsky bread»
10. LLC Fronder and Rus»
11. PLC " Zhukovsky machine-building plant»
12. LLC " NTP UNISERVICE»
13. LLC "ECOsERVICE-NEFTEGAZ»
14. PLC NPP "Alfa-M»

Large enterprises of the city: research and production



State scientific center FSUE "Central Aerohydrodynamic Institute named after Professor N. E. Zhukovsky" (TsAGI)

The largest center was founded in 1918 to create and develop the aviation industry of the country. TsAGI is responsible for the formation of state programs for the development of aviation technology, participates in the creation of airworthiness standards, aviation rules and other regulatory state documents. The Institute combines fundamental scientific research, applied research, design development, production and testing of experimental aircraft, participates in the Federal target and scientific and technical programs.

Official site: www.tsagi.ru



JSC " scientific research Institute of instrument making. V. V. Tikhomirov" (NIIP)

The Institute is the head in Russia for the development of weapons control systems for fighter aircraft and the leading enterprise for the development of mobile anti-aircraft missile systems of medium range. Currently, the shareholders of JSC "NIIP" are: JSC "concern air defense" Almaz-Antey "and the State Corporation to promote the development, production and export of high-tech industrial products "Russian technologies".

Official site: www.niip.ru



State scientific center of JSC " Flight research Institute. M. M. Gromova" (LII)

It was established in March 1941 as an applied scientific enterprise on the basis of TSAGI for the purpose of flight tests and research in the interests of designers of experimental aircraft, test units of serial aircraft factories, institutes of the air force and industry. LI is the aviation industry's lead organization for flight research and testing of aircraft (LA) at all stages of their life cycle.

Official site : www.lii.ru



JSC " Experimental machine-building plant. V. M. Myasishchev "(EMZ)

It was established in 1966 for the purpose of carrying out in close cooperation with TSAGI and LII experimental research and design works aimed at creating promising special-purpose aircraft and experimental aircraft. Over the years of its existence, the company has made a significant contribution to the development of domestic aviation military equipment, in the development, creation and testing of reusable aerospace aircraft and aerospace system "Energia-Buran", in the creation of unique high-altitude subsonic aircraft M-17 "stratosphere" and M-55 "Geophysics", superior in many characteristics to world analogues.

Official site : www.emz-m.ru



Large enterprises of the city: research and production



JSC "Scientific-research Institute of aircraft equipment" (NIIAO)

The Institute was established in 1983 as the head enterprise in the field of creation of complexes of the onboard equipment of aircrafts, and also in the field of aviation ergonomics. Currently, it is a leading Institute of the aerospace industry, carrying out research, development and production of complexes and systems of onboard equipment for aircraft, helicopters, space manned and cargo ships, orbital stations, as well as complex simulators for training astronauts.

Official site : www.niiao.ru



JSC "center for scientific and technical services" Dynamics»

The center was established in 1989 to develop and produce a full range of aviation technical training for flight and engineering personnel. The company has now created a full technological cycle of development and production of new generation aircraft simulators for all types of modern aircraft and helicopters. Priority CSTS "Dynamics" is the upgrading of the teaching facilities, flight schools and aviation units of the air force with modern equipment, allowing to carry out training of flight personnel on a qualitatively new level in conditions as close to real.

Official site : www.dinamika-avia.ru



НАУЧНО-ИНЖЕНЕРНАЯ КОМПАНИЯ

LLC " Scientific and engineering company "(NIK)

The company was founded in 1997 to provide engineering and consulting services to enterprises of aviation and other industries. Works in the field of design and strength calculations of aircraft structures, installation of avionics on airplanes and helicopters, development of ground airfield equipment for such customers as Boeing Corporation, JSC Kamov, JSC Ilyushin. In 2018, together with the German company FIT AG, one of the world leaders in the field of additive manufacturing, the company LLC "FITNIK" was established for the establishment in Zhukovsky serial additive production.

Official site : www.avianik.com



JSC "Moscow scientific research Institute "Agate" (Agate)

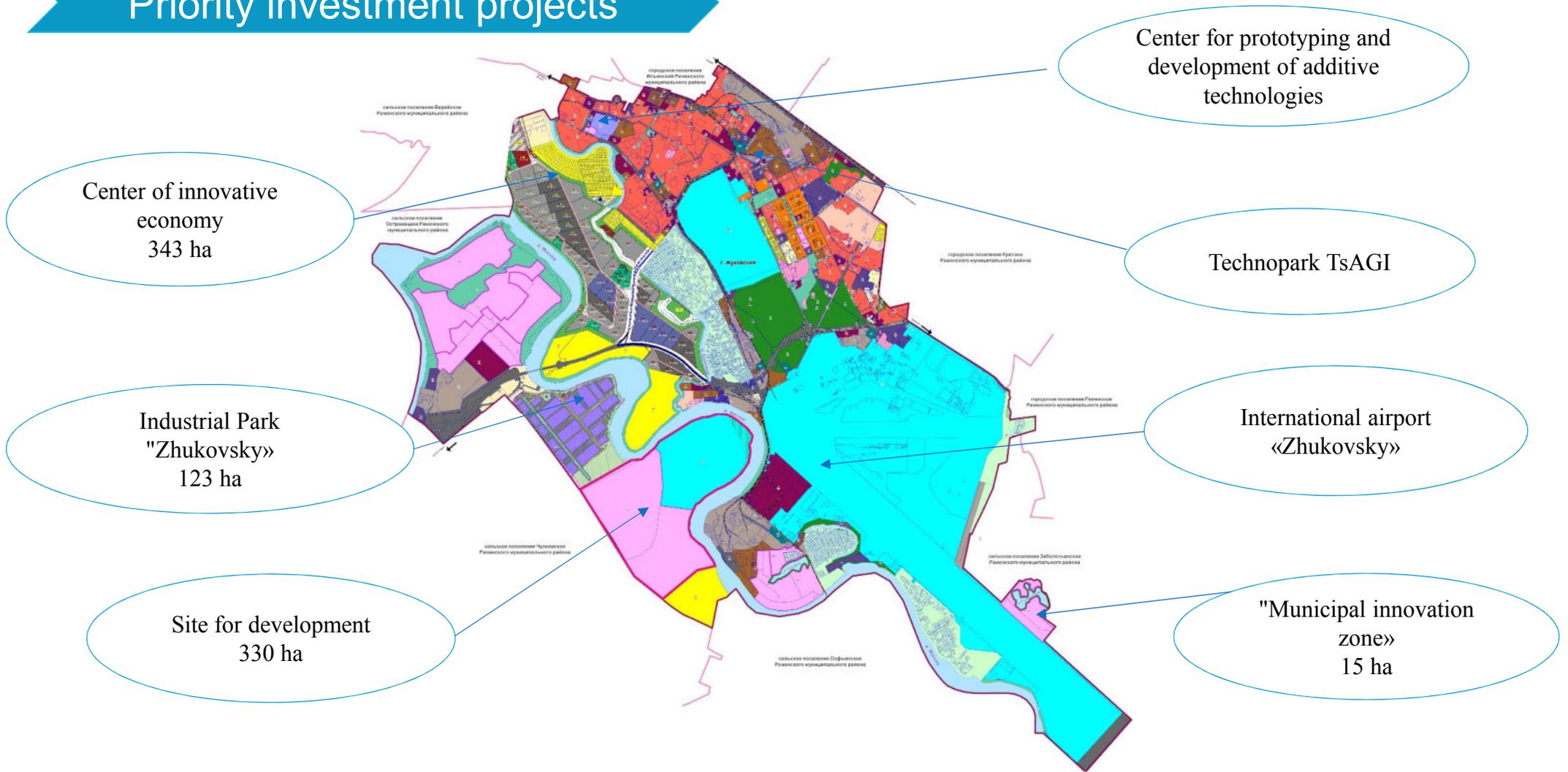
It was established in 1986 as the head organization of the Russian defense industry for the development of radar homing heads (RGS) for air-to-air and surface-to-air missiles. The main task of the Institute is the development of radar homing heads for missiles of military anti-aircraft missile systems (SAM) of medium range of the type of SAM "Cube", " Buk "and guided weapons systems of fighters such as " MiG " and "su", also developed all CSG for the family of missiles that make up the weapons of fighter aircraft and their modifications.

Official site : www.siaqat.ru



Point of growth

Priority investment projects



Priority investment project

Industrial Park "Zhukovsky»

The scheme of placing of objects of capital construction



The land area is 123 ha

Property – private

Location - 20 km from MKAD near the highway M-5 «Ural»

Uses: industry, logistics

Cadastral number : 50:23:0040110:457,
50:23:0040110:460

Contacts for cooperation:

Commercial Director at DARS Development –
Dmitry Safronov

Phone: +7(960)367-67-19

Email: mobil.d@mail.ru

Priority investment project

Industrial Park «Center of innovative economy»

The total area of the plot is 343 hectares

Location - 20 km from MKAD near the highway M-5 «Ural»

Property-municipal

Uses: industry, logistics, research and production activities, recreational activities

Cadastral number 50: 23: 0000000:157813

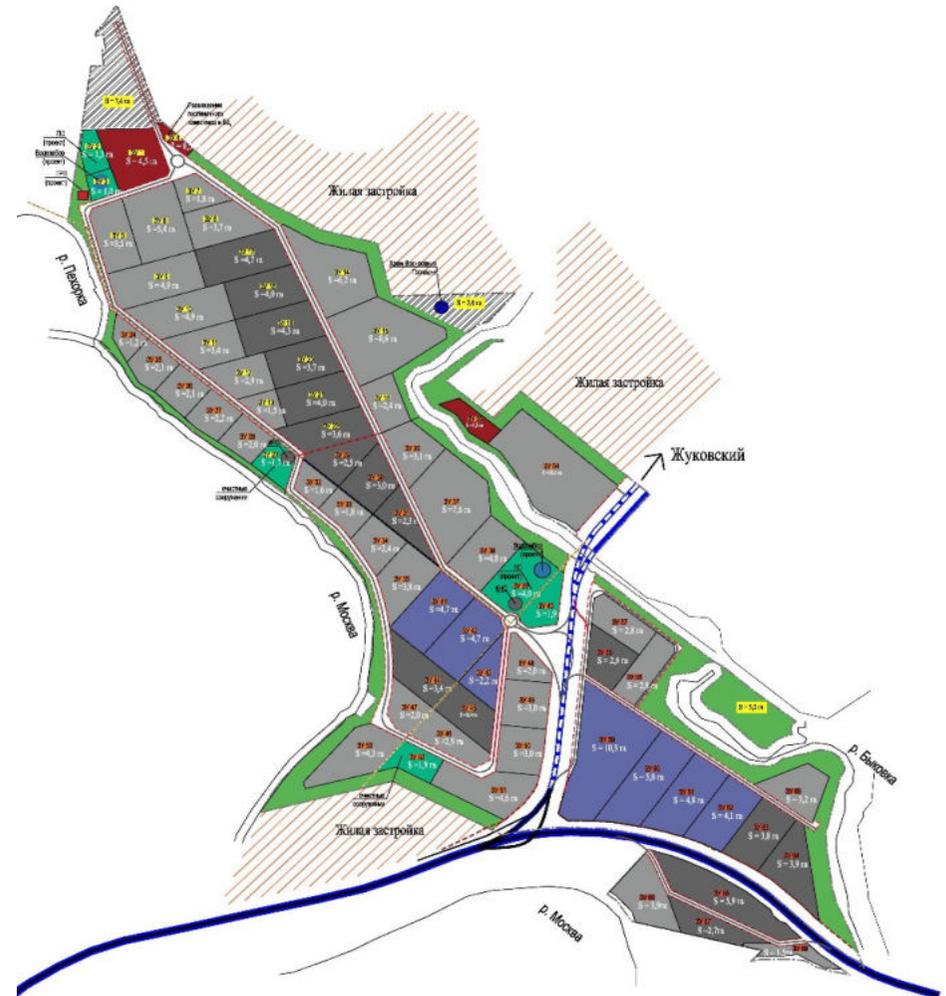
Implementation period 2020-2024

Contacts for cooperation:

Department of investments and innovations of Department of economy Of administration of the city district Zhukovsky

Phone: 8(498)484-20-73

Email: innov@zhukadmin.ru



Innovation infrastructure

Technopark FSUE «TsAGI»



Technopark «TsAGI»

TsAGI Technopark is a platform for scientific and applied research, preparation and launch of new business projects and technological startups in the aerospace sector.

- Land area: 1.08 ha
- Total area of Technopark: 6700 sq. m
- Area for accommodation of residents who are subjects of activity in the scientific, scientific-technical and innovative sphere: 3340 sq. m



ВЫСОКОТЕХНОЛОГИЧНЫЕ
ПРОИЗВОДСТВА
С ВЫСОКО-
ПРОИЗВОДИТЕЛЬНЫМИ
РАБОЧИМИ МЕСТАМИ



МАЛЫЕ
ИННОВАЦИОННЫЕ
ПРЕДПРИЯТИЯ,
СТАРТАП-ПРОЕКТЫ



ПЕРЕДОВЫЕ
ИССЛЕДОВАТЕЛЬСКИЕ
ЛАБОРАТОРИИ



ИННОВАЦИОННЫЙ
ТЕХНИЧЕСКИЙ ЦЕНТР
ДЛЯ ДЕТЕЙ



УНИКАЛЬНАЯ
ЭКОСИСТЕМА
С РАЗВИТИЕМ
ИННОВАЦИЙ

Contacts for cooperation:

Complex of perspective development FSUE " TsAGI»

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Zhukovsky, str. Luch, 24

ИНФРАСТРУКТУРА ТЕХНОПАРКА

1.08 Га

площадь участка

6700м²

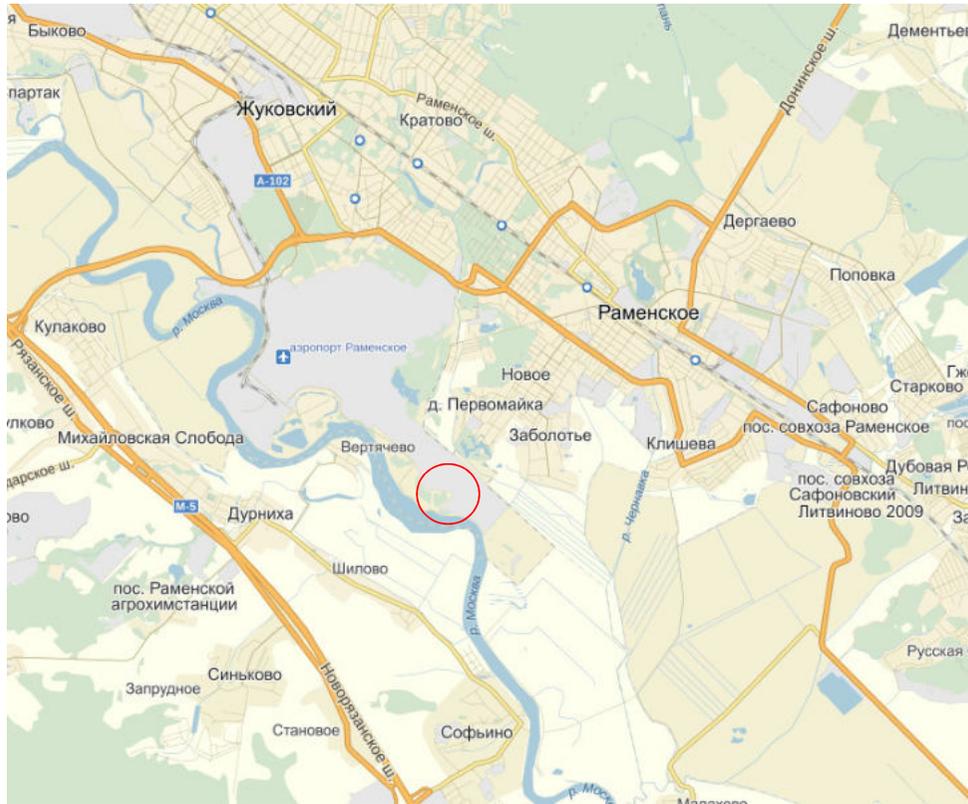
площадь помещений



Priority investment project

Industrial Park "Innovation zone Zhukovsky»

- ❖ The total area of the industrial Park is 15 hectares.
- ❖ Ownership of land-municipal.
- ❖ Not provided with engineering infrastructure.



Contacts for cooperation:

Department of investments and innovations of Department of economy Of administration of the city district Zhukovsky

Phone: 8(498)484-20-73

Email: innov@zhukadmin.ru



Opportunities for investment and innovation

Promising objects for investment

**Cooling tower total area 76,3 sq. m
and land area of 210 sq. m
(Cadastral number 50: 52:
0030103:27)**



**Non-residential building area 3 376,7
sq. m and land area of 3 201 sq. m
(Cadastral number 50: 52: 0030103:
15)**



Brownfield JSC " NIAO»

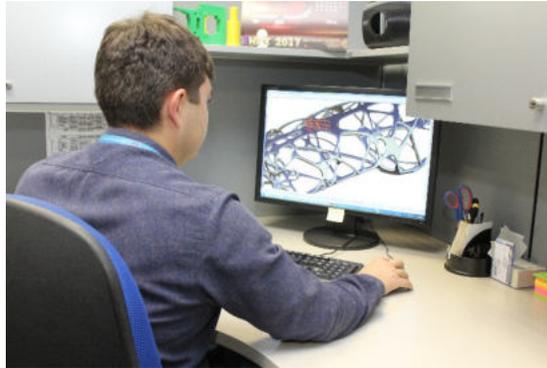
**Non-residential premises of the LSK
building (laboratory and bench building)
with a total area of 14 847.8 sq. m, and a
land plot of 2 206 sq. m (Cadastral number
50: 52: 0030103:155)**



**Contacts for cooperation:
JSC " RT-STROYTECH»
Phone: +7(495)909-00-00**

Innovation infrastructure

Engineering center LLC «NIK»



About engineering center «NIK»:

Since 1997 he has been working in the field of design, strength calculations of aircraft structures, installation of airborne equipment on airplanes and helicopters, development of ground airfield equipment, training of specialists, as well as in the field of manufacturing of aircraft structures, including composite materials. The team of engineers and specialists of NIC is more than 500 people.

Render services:

- Design development and 3D modeling
- Strength calculation
- Design of construction of composite materials
- Design of aircraft systems and avionics
- Technical training and advanced training of engineers
- Technological support of production
- Development of algorithms and systems to ensure flight safety

Availability of certificates:

Certificate of conformity of quality management system ISO 9001:2015.

Key customers and partners:

OAK

**ВЕРТОЛЕТЫ
РОССИИ**

СИАГИ

ИЛЬЮШИН
группа компаний ОАК

BOEING

Frigate Ecojet

ГИРОПЛАНЫ RU
ИССЛЕДОВАТЕЛЬСКО-ПРОЕКТОРСКАЯ КОМПАНИЯ

Contact details:

Address: Zhukovsky, Lomonosov str.,
29A

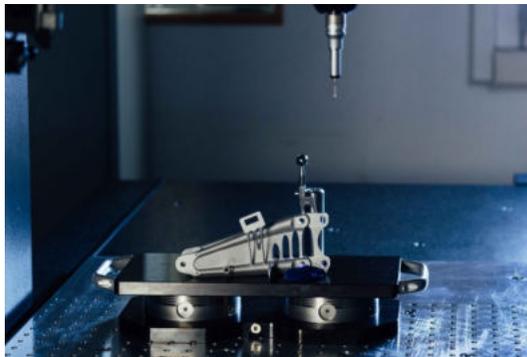
Phone: +7 (495) 78-313-78

Website: www.avianik.com

Email: info@avianik.com

Innovation infrastructure

LLC «FITNIK» - an innovative company



About the engineering center of LLC «FITNIK»:

LLC NIK and the German company FIT AG which is the world leader in production of details and products by means of additive technologies, created in Zhukovsky the joint venture LLC FITNIK. On the basis of the new enterprise by 2023, it is planned to create A center for design and serial additive production of products in Zhukovsky.

Render services:

- Design of parts and assemblies according to the most modern international standards for further production with the help of the latest production technologies;
- Production of details on the certified serial additive production - "smart" factory;
- Control and quality assurance of parts that are produced using additive technologies;
- Research and introduction of new materials for additive manufacturing.

Key customers and partners:



Contact details:

Address: Zhukovsky, Gagarina str.,
83, POM.3, com.16

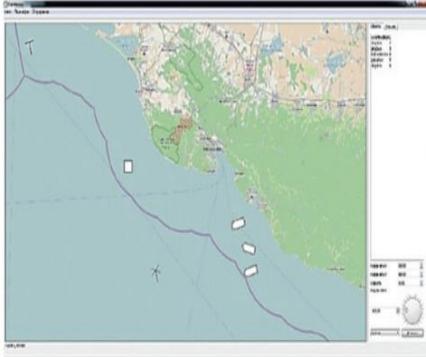
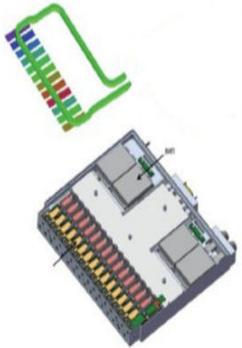
Phone: +7 (495) 78-313-78

Website: www.fitnik.ru

Email: info@fitnik.tech

Innovation infrastructure

Laboratory of information technologies and applied mathematics at falt MIPT



Since 2013, the Laboratory of information technologies and applied mathematics has been developing software that implements numerical modeling of various physical processes, developing SOFTWARE, including in the field of CAD design, training personnel for enterprises of the military-industrial complex of the Russian Federation.

Contact details:

Address: Zhukovsky, Gagarina str.,

16, 133, 132, 128

Phone: 8(495)556-84-21

Website: <http://falt.ru/science/itpm>

Email: dekanat@falt.ru

Render services:

Software development, software and mathematical support, personnel training

Unique equipment:

High performance computing cluster

Availability of certificates:

License for the development, production, testing, installation, installation of weapons and military equipment. License for works related to the use of information constituting a state secret. Certificate for development of own SOFTWARE.



Innovation infrastructure

Resource center for Radar technologies MAI-NIIP



About the Resource center "Radar technologies" MAI-NIIP:

conducts training and research on radar, methods and technologies of detection and recognition of objects, testing equipment to verify radio (20 Hz-14ghz) and climatic (-65° + 170 ° C) parameters. RC MAI-NIIP has all the necessary licensed software for modeling, prototyping and design of modern radar equipment and components.

Render services:

Radio engineering measurements, prototyping, simulation of REA, advanced training courses

Availability of certificates:

On the equipment there are certificates of approval of types of measuring instruments and international certificates

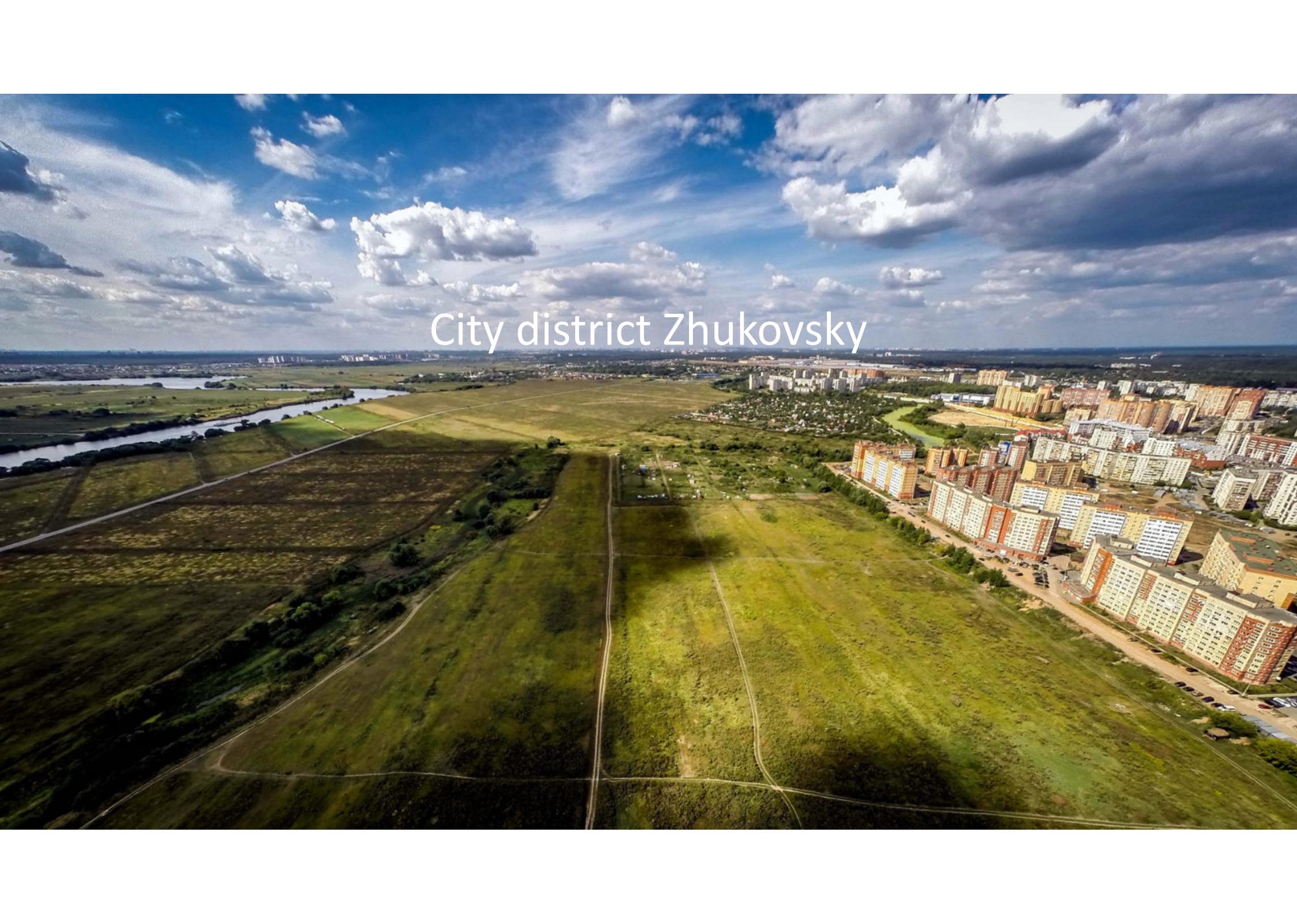
Unique equipment:

4x4 MIMO (NI PXI-5665, 5673E до 12 ГГц), 32 channel generator up to 165 MHz, mobile radio laboratory, thermal camera (Weiss WT64), by LabView.

Контактные данные:

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Zhukovsky, Gagarina str., 5
Phone: +7(498)487-47-84
Email: vitsukaev.a@mai.ru





City district Zhukovsky