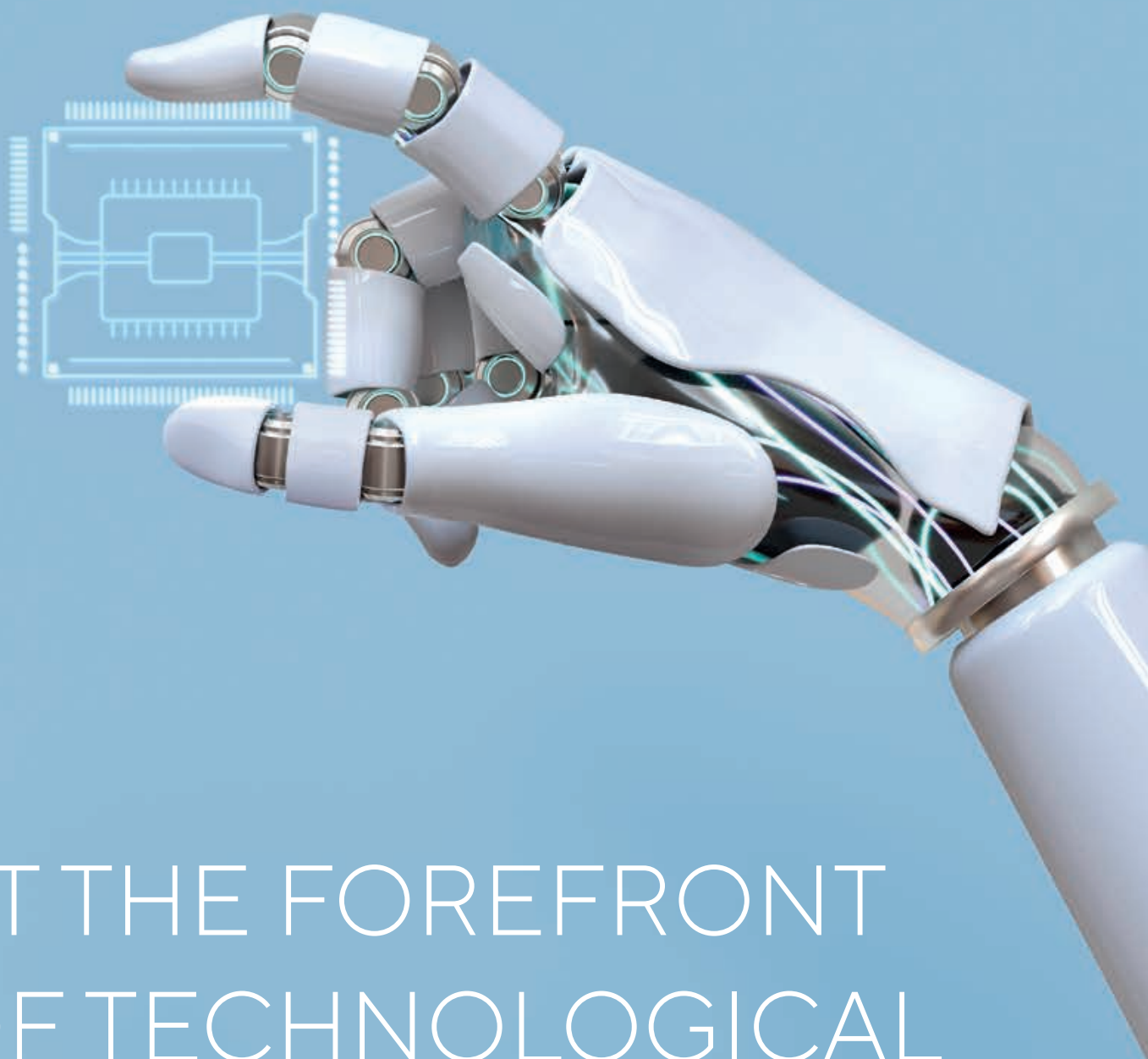




TECHNOPOLIS
MOSCOW
SPECIAL ECONOMIC ZONE

annual report
2022



AT THE FOREFRONT OF TECHNOLOGICAL INDEPENDENCE

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CONTENTS

01	National leader in high-tech development	4
02	Results relevant to the economy	12
03	Technologies to enhance independence	26
04	Sites for technology development	46
05	Infrastructure that unlocks growth potential	58
06	Sustainable development: environment, people, state	74
07	Becoming a resident	78

01

National leader in high-tech development



OUR MISSION

We combine the efforts of businesses, government agencies, the research and academic community, and international partners to promote the development of high-tech domestic industries.



The special economic zone (SEZ) Technopolis Moscow is evolving into the city's main production area. In the years to come, the number of jobs it provides will increase by several thousand. The enterprises here produce radio equipment and medical devices, develop new materials, energy-efficient solutions, and software. The residents enjoy some tangible benefits: they are exempt from property, transport and land taxes for ten years and are entitled to a preferential income tax rate of two percent.

Sergey Sobyenin, Mayor of Moscow



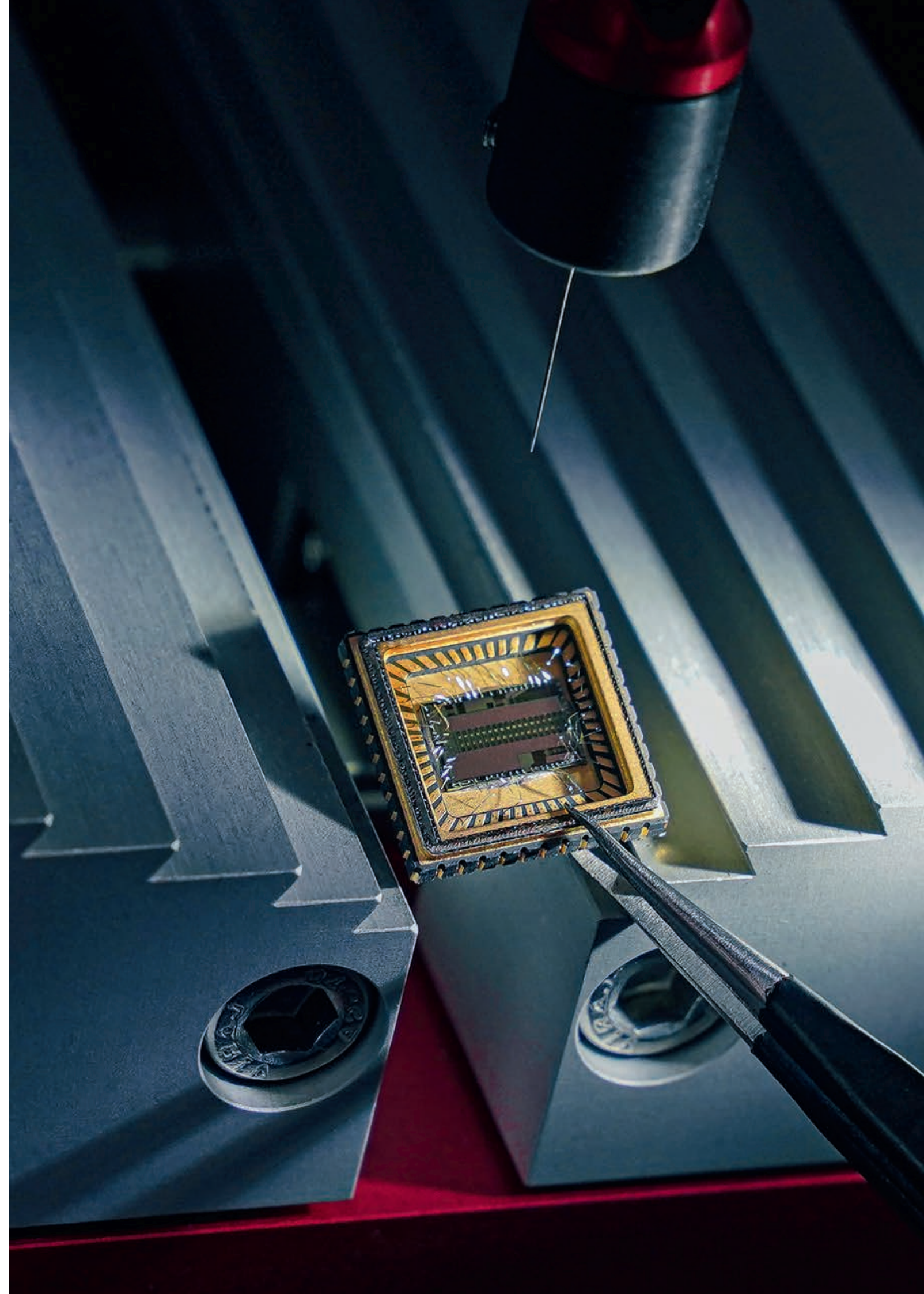
**Ranked first in Russia
by investment attractiveness
of special economic zones
and industrial parks,
according to the Expert
Analytical Center**

Key results of the year

- Ten more residents joined Technopolis Moscow: manufacturers of ultrasound machines, electric trucks, high-frequency and super high-frequency components, modules and devices, radio location and meteorological systems, components for modern electronic equipment and household appliances, unique medical items, biotechnological medicines and other sought-after solutions.
- The Rudnevo industrial park became operational. This is a new production chain required for the development, consolidation and effective cooperation of high-tech enterprises.
- The efficient and coherent work of all the Technopolis Moscow residents has enabled thousands of Russian enterprises to seamlessly transfer to high-quality domestic components while retaining access to the necessary high-tech solutions.

Technopolis Moscow provides the most favourable conditions for the development of high-tech industries. Apart from tax benefits, companies also enjoy modern infrastructure, good transport accessibility, a flexible approach to their technological and economic needs, high-level industrial security, well-organised incident and emergency response procedures, preferential land lease terms — with an option to purchase the plot for 1% of its cadastral value, a free customs zone and numerous other advantages.

The result is a growing number of residents, developments, production capacities and investments to the Technopolis Moscow sites. The conditions created here contribute to higher productivity and economic efficiency of the residents.





Ranked first in the VI National Rating of SEZ Investment Potential

The rating is compiled by the Association of Clusters, Technology Parks and SEZ of Russia with the support of the Ministry of Economic Development of the Russian Federation. In 2021, the assessment covered 28 special economic zones from 22 regions of Russia. Technopolis Moscow topped the rating for the third time in the last 6 years.

Technopolis Moscow is currently the most attractive site for investors. It continues growing its capacities, building new production chains and working on implementing sustainable development principles.

*Andrey Shpilenko,
Director of the Association of Clusters, Technology Parks
and SEZ of Russia*



Ready-made modern infrastructure, comfortable public spaces and a cluster-based approach to the development of high-tech industry enhance the synergistic effect and healthy competition between the manufacturers. Coupled with government support measures, this underpins the success of the capital's SEZ. According to the report of the Ministry of Economic Development of the Russian Federation on the operation of the country's special economic zones, the efficiency of Technopolis Moscow is assessed as 100%. On top of that, Moscow's special economic zone creates the largest number of jobs.

*Vladimir Efimov,
Deputy Mayor of Moscow for Economic Policy
and Property and Land Relations*

Technopolis Moscow also received the highest ranking for the amount of taxes paid to the national budget. It exceeded RUB 16.1 bn in cumulative terms.

The special economic zone accounts for 15% of all jobs created by the country's SEZs: a total of 9 716 new employment opportunities





PRIORITY AREAS OF TECHNOLIS MOSCOW

- Building an economically efficient production ecosystem as a driver for the development of a new industry
- Raising investments for the economy of Moscow
- Creating a favourable environment for the residents and people
- Developing a highly specialised advanced production cluster
- Enhancing the recognition of the SEZ territory

Microelectronics, robotics and industrial automation are obviously the driving force among the production facilities accommodated on the sites of Moscow's special economic zone. These industries are represented by 33 resident enterprises. According to the 2022 results, they have outpaced the companies from other industries by volume of investments, having allocated RUB 18.1 bn to their development. This is a 63% increase year-on-year.

*Vladislav Ovchinsky,
Head of the Moscow Department of Investment
and Industrial Policy*

In 2022, Mikron faced a snowballing demand for all its product lines. Mikron launched a serial production of 68 items and obtained 8 intellectual property patents.

The company has large-scale tasks on the development of domestic suppliers, certification of new materials, import substitution and expansion of production capacities to meet the country's demand for basic electronic components and ensure technological independence.

*Gulnara Khasyanova,
CEO of Mikron*



02

Results relevant to the economy

2022 YEAR RESULTS

95.8 ^{bn}
in cumulative investments

90
residents

169.7 ^{bn}
in sales since the start
of operations

9 716
jobs created



The enterprises accommodated in Technopolis Moscow have demonstrated a high resilience to the external turbulence and the ability to make a significant contribution to securing the country's technological independence. By pursuing a holistic approach to addressing the most complex tasks, the residents and business partners of the special economic zone have proved their high professionalism.

Due to the coherent operations of the managing organisation and the companies working on the sites of the special economic zone, its investment potential has been assessed as high as evidenced by the favourable national ratings.

In a context that requires prompt and effective decision-making, the managing organisation has successfully passed the test for stress resistance and ingenious management, and assumed a greater responsibility for overcoming the critical challenges of today effectively.

Gennady Dyogtev,
CEO of the SEZ Technopolis Moscow



PRODUCTION DEVELOPMENT

During 2022, there were more than 200 tenants operating on the Technopolis Moscow sites. Within these, there were 90 resident companies and 10 new residents.

Sigma Polis	Manufactures biopolymer-based medical products: thixotropic gel tubes for autologous plasma therapy, synovial fluid prostheses, and synthetic vascular prostheses.
Biojet	Develops and produces biotechnological medicines based on monoclonal antibodies. Upcoming is the launch of full-cycle production that begins with producing an active pharmaceutical substance.
Scanner, Research and Production Association	Specialises in diagnostic ultrasound equipment and is Russia’s largest manufacturer.
R-Gen Production	Produces high-tech medical equipment and reagent kits for next-generation nucleic acid sequencing.
Premium Standard Technopolis	Specialises in pharmaceutical printing and packaging.
Electric Vehicles Manufacturing Rus	Manufactures the first Russian electric truck EVM Pro, also planning to produce onboard electronics and electric motors.
Legoplast	Manufactures extra durable plastic pallets for floor and rack storage.
Radiocomp	Produces high-frequency and super high-frequency components, modules and devices, radio location systems, radio communication and radio control systems. Also produces generators based on coaxial ceramic resonators.
Analogue Solutions, Design Centre	Manufactures semiconductor components for modern electronic equipment and household appliances as well as for radio location systems and meteorological systems, such as GLONASS, GPS, GSM.
AIEMTI	Provides services for the establishment and maintenance of IT infrastructures and for the delivery of cloud computing resources.

Radiocomp, a company that employs more than 150 people, produces high-quality radio electronic components and devices. Annually, it manufactures more than 20 000 filters and several hundred modular and packaged items. The company possesses substantial engineering and technical potential, vast experience in the development of high-frequency and super high-frequency devices and cooperates with leading universities in research activities.

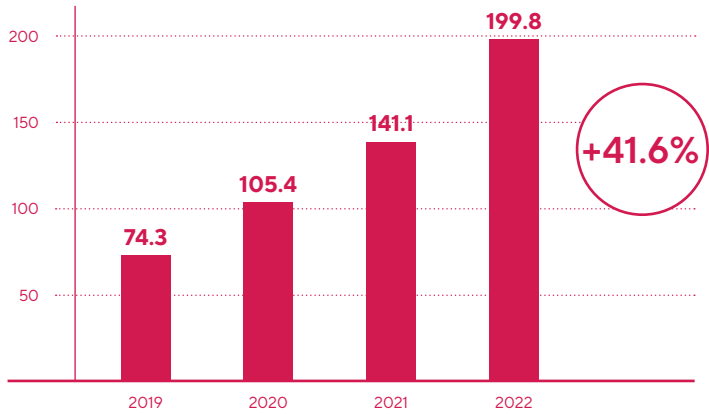
Comprehensive assistance from Technopolis Moscow allows the company to both increase the output of radio electronic products and to propel itself to the next level in meeting the current needs of the government agencies and private companies.

*Victor Kochemasov,
CEO of the Radiocomp company*



The recruitment of new residents increased the share of enterprises specialising in medicine and biotechnology, high-tech production, microelectronics, IT, optics and photonics.

Turnover of Technopolis Moscow residents, RUB bn

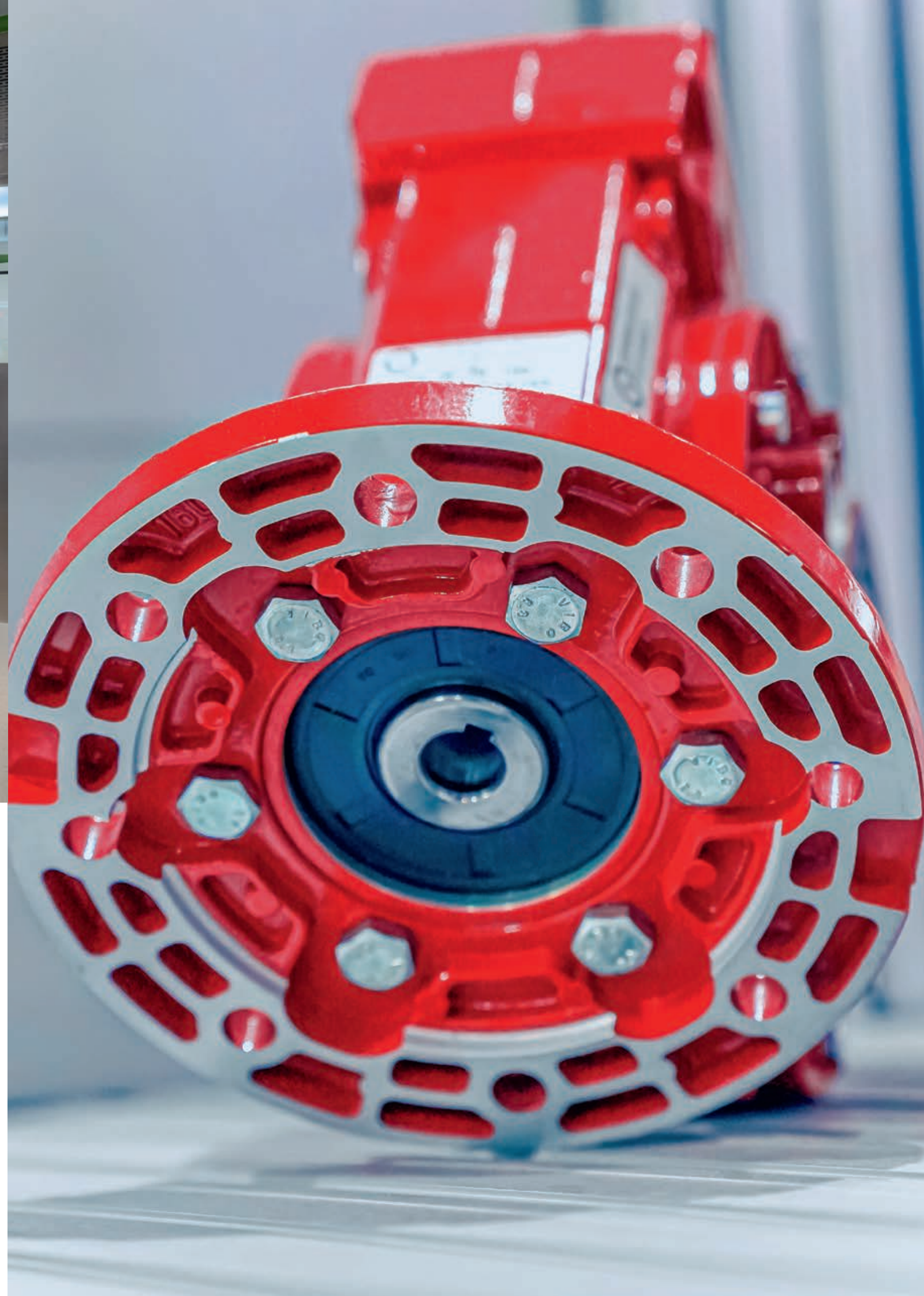


The turnover of resident companies increased by 41.6%

With new residents:

+RUB 10 bn
in investments raised

+1 117
jobs created



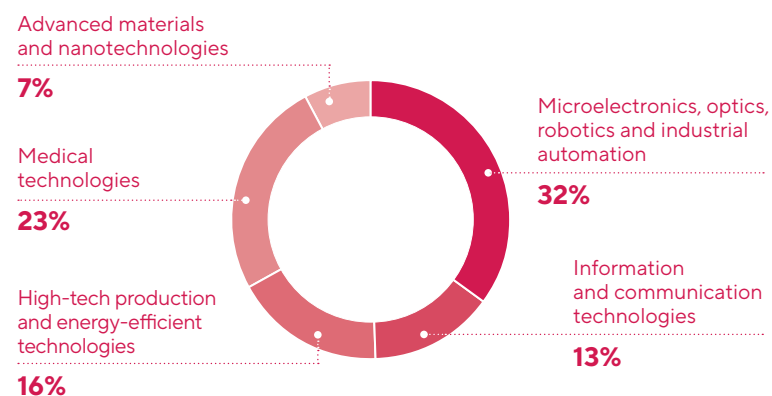
21 new production facilities were launched on the Technopolis Moscow sites in 2022.

Remarkable growth was demonstrated by the medical, pharma and biotechnological cluster, with 6 companies simultaneously launching their production facilities: Biocad, Vetbiochem, Medplant, Amedart, Acrus Biomed, and Velparm.

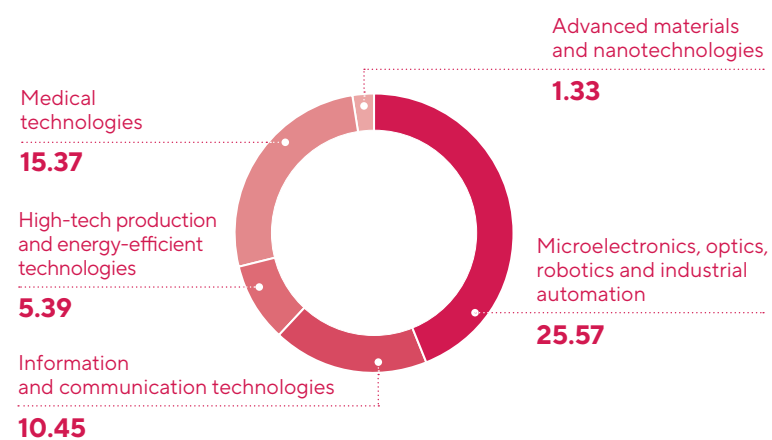
The Technopolis Moscow residents operate in the following industries (clusters):

- microelectronics, optics, robotics and industrial automation
- medical technology, equipment and biopharma
- information and communication technologies
- advanced materials and nanotechnologies
- energy-efficient technologies
- high-tech production
- electric vehicle manufacturing
- photonics
- unmanned aerial vehicles (UAVs)

Residents breakdown by cluster, %

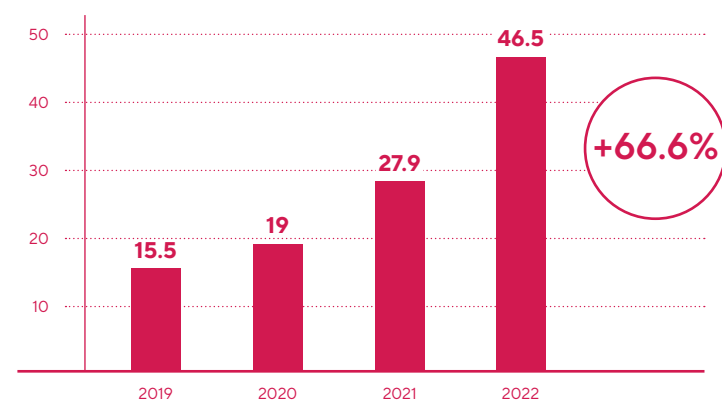


Residents' turnover by cluster, RUB bn



In 2022, sales of products totalled RUB 46.5 bn, which is a 61.1% increase year-on-year.

Output of Technopolis Moscow residents, RUB bn



INVESTMENTS RAISED

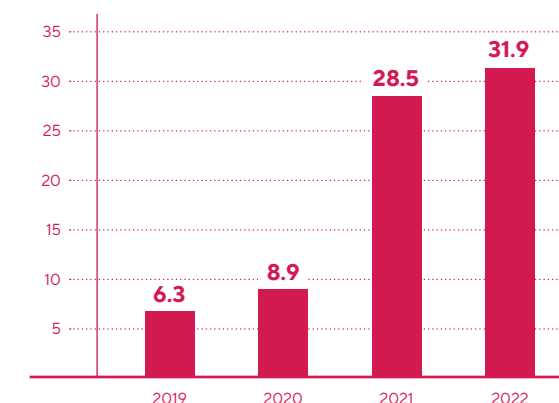
The SEZ Technopolis Moscow is ranked first in Russia by the number of jobs created and the amount of taxes paid to the national budget in 2022.

The total value of investments attracted in 2022 increased by 12%, to RUB 31.9 bn against RUB 28.5 bn in 2021.

In 2022, cumulative investments since the inception of SEZ operations rose by 50%.

Given the above, cumulative investments reached RUB 95.8 bn.

Investments from Technopolis Moscow residents, RUB bn



The ratio of public to private investment stands at 1:4



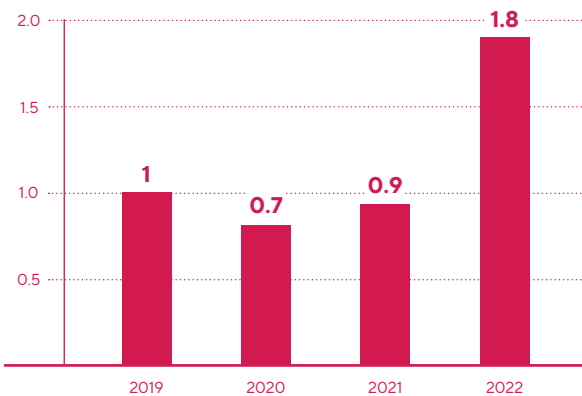
TAX BENEFITS

In 2022, the Technopolis Moscow residents received RUB 1.9 bn in tax benefits, which doubled compared to 2021.

Industries with the highest tax savings:

- microelectronics, optics, robotics and industrial automation: RUB 406.9 mn in 2022 and RUB 1 845.9 mn cumulatively
- information and communication technologies: RUB 666.6 mn in 2022 and RUB 1 076.66 mn cumulatively

The amount of tax benefits utilised by SEZ residents, RUB bn



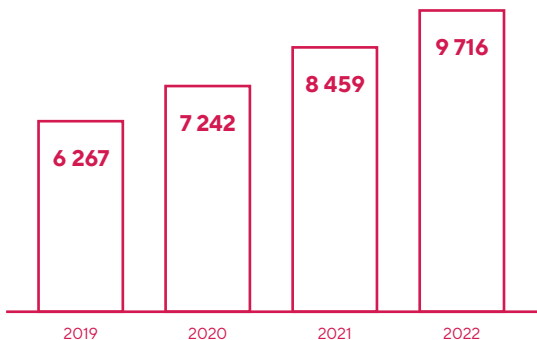
First and foremost, businesses look for opportunities to implement their investment projects faster by gaining a wide range of preferences. In particular, resident companies are exempt from transport, property and land taxes. Their income is taxed at a favourable rate of 2% — reduced from 20%.

Gennady Dyogtev,
CEO of the SEZ Technopolis Moscow

EMPLOYMENT OPPORTUNITIES

As of the end of 2022, the Technopolis Moscow residents had created 9 716 jobs, with 1 257 new jobs in 2022 alone.

Growth in jobs from 2019 to 2022



The 2022 leaders in providing new employment opportunities were companies specialising in microelectronics, optics, robotics and industrial automation.

ELVEES

280
jobs

NM-Tech

227
jobs

Mikron

1 157
jobs

A Technostudy initiative was launched to enable the youth generation to get practical experience. It aims to help the resident companies find young ambitious talents.

The unique products we create improve people's well-being. It is important for us to attract people who share our mission and are passionate about innovations and research. Being at the forefront of domestic technology, we succeed in doing that. Today, we employ more than 900 people, with 5 of them holding a PhD degree and 30 being PhD candidates.

Anton Semiletov,
CEO of ELVEES Research and Development Center



In 2022, more than 300 university and college students gained their first professional experience at 55 enterprises of the special economic zone



SITES

**98% of leasable areas
with 82.5% leased out
to the residents**

By the end of 2022, Technopolis Moscow had leased out 98% of leasable areas and 87% of land plots intended for SEZ residents.

Technopolis Moscow continuously puts into operation new production areas on the 223.3 ha land plot. During 2022, the production areas expanded by 170 000 m².

Pechatniki

33.5 ha
483 000 m² production area
47 residents

Alabushevo

156.8 ha
193 000 m² production area
29 residents

- Commenced construction: Alabushevo Capital technology park
- Commenced construction: two innovative industrial and lab buildings

MIET

4.5 ha
29 000 m² production area
7 residents

- Completed construction: the first building for the Innovative Electronics Centre

Mikron

13.3 ha
93 000 m² production area
4 residents

- The enterprise's anniversary year: a breakthrough in import substitution, new partnerships and ecosystem development

Angstrem

15.2 ha
133 000 m² production area
3 residents





RUDNEVO

The Mayor of Moscow Sergey Sobyenin and the Minister of Industry and Trade of the Russian Federation Denis Manturov signed a memorandum on the creation of the Federal Centre for Unmanned Aviation Systems to be headquartered in the Rudnevo industrial park.

Civil unmanned aviation is expanding towards new economic niches. These include transportation, high-precision surveys, creating digital twins as well as exercising control over public utilities, construction and other industries.

*Sergey Sobyenin,
Mayor of Moscow*

The first federal centre for unmanned aviation technologies is located in the Rudnevo industrial park.

There are more than 40 000 unmanned aerial vehicles used for a variety of civil purposes in Russia. Over the past 5 years, their output has increased by 2.5 times, exceeding 20 000 UAVs per year. In Moscow, the output has grown by more than 4 times.

36.5 ha

16 buildings

84 000 m²
production area



COOPERATION

In 2022, a decision was taken to create two cross-industry clusters by engaging some of the Technopolis Moscow residents.

- Cross-industry photonics cluster as part of the Moscow Innovation Cluster:
 - production of active and passive photonic integrated circuits
 - research in quantum photonics
- Cross-industry cluster of electric vehicle enterprises as part of the Moscow Innovation Cluster:
 - cooperation between the manufacturers of spare parts for electric vehicles
 - organising the production of components for electric transport vehicles
 - organising the production of batteries for electric buses and other electric transport vehicles

Industrial cooperation is crucial for modern enterprises to effectively approach complex tasks, exchange experiences and find suitable business partners. Moscow's special economic zone has a variety of long-established clusters of enterprises: specialised in microelectronics, energy-efficient technologies and other areas. Mutual cooperation helps companies increase productivity, raise more investments and promote their products in a more effective way.

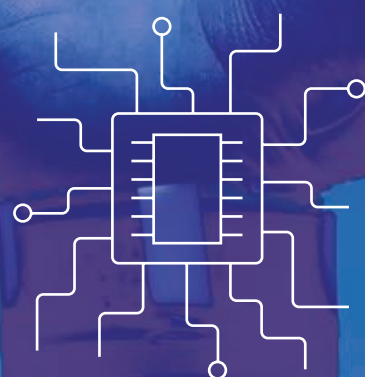
*Gennady Dyogtev,
CEO of the SEZ Technopolis Moscow*

The pharma cluster continues to develop and implement high-tech innovative facilities for the production of fully tested medicines, medical equipment and related products.

The Federal Centre for Unmanned Aviation Systems facilitates research and education activities, UAV development, production and testing.

03

Technologies to enhance independence



Due to the efforts of Technopolis Moscow residents, thousands of Russian enterprises were able to seamlessly transfer to high-quality domestic components while retaining access to the necessary high-tech solutions.

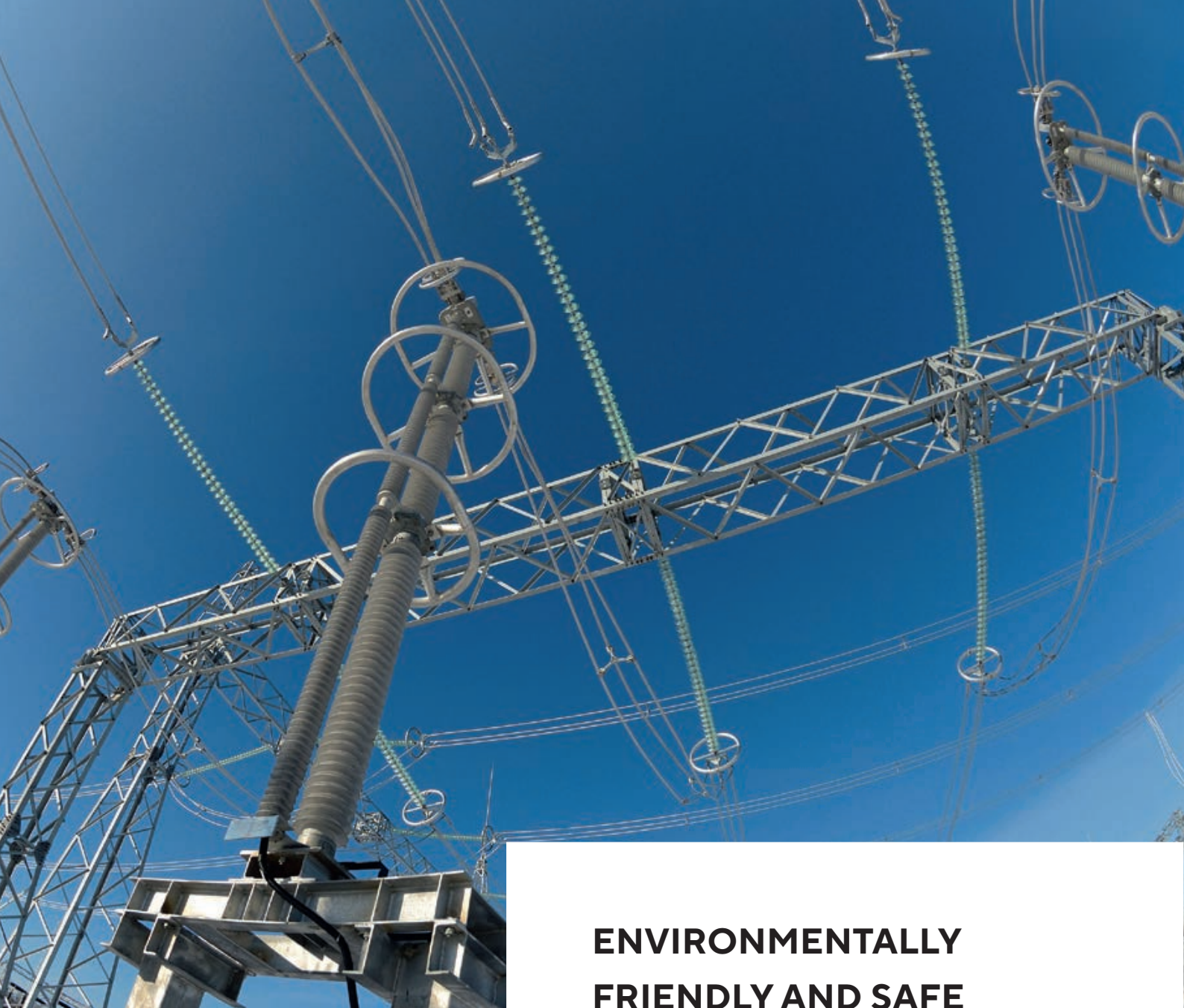
Utilising the latest original home-grown technologies, companies are moving forward in their development.

The highest investment potential is what defines Technopolis Moscow. We see its development from the inside and can attest to the fact that the enterprises are expanding. The same applies to the special economic zone: the services are constantly improving, the territory is growing and new production facilities are being constructed.

Valentin Stolyarov,
Chief Financial Officer of Biforkom Tek,
a Technopolis Moscow resident company



**Russians consider growth
in domestic production as the key
achievement of national economy
projects for 2022**



ENVIRONMENTALLY FRIENDLY AND SAFE ENERGY

In 2022, the Profotech company developed and launched the production of fibre optic sensors that have export potential

Profotech's electronic optical transformers are used in developing state-of-the-art intelligent energy solutions. They are highly automated and equipped with advanced systems for the digital exchange of data between components.

Fibre optic current transformers accelerated the digitalisation of Russian substations and the adoption of Smart Grid technology. As a result, the power facilities have become easier, safer and less costly to operate.

INTERNET OF THINGS, SMART HOME AND SMART CITY

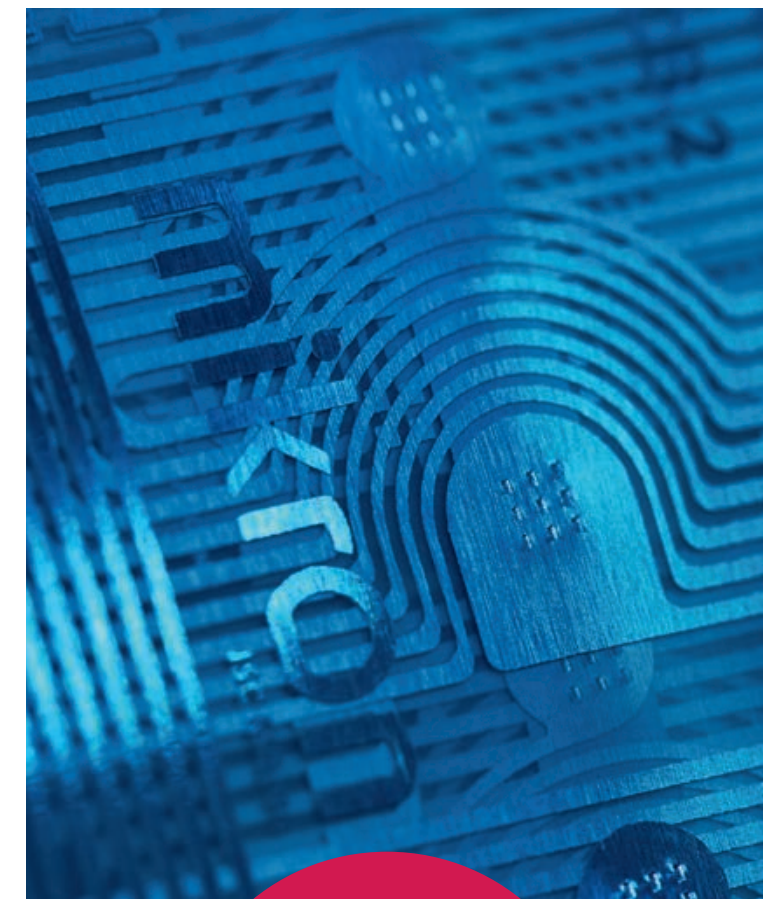
Since 2019, the Mir payment system cards have been fitted with a dual banking chip created by the Molecular Electronics Research Institute, which eliminated the need for imported microcircuits. Furthermore, 40 million Troika travel cards issued in 2022 leverage the technology developed by Mikron.

In 2022, the Mikron plant started the serial production of more than 40 new chips and their modifications. For example, an NFC solution that enables contactless smartphone payments. The technology will be supported in 70% of chain stores.

In the reported year, a resident of Technopolis Moscow — Eastcompeace Rus — announced the production of SIM cards. The company is planning to manufacture regular SIM cards and upgrade the virtual cards (eSIMs) that are embedded in a smartphone and activated by scanning a QR code.

The core material for integrated circuits is also produced by a Russian company — Epiel, a Technopolis Moscow resident. The company manufactures silicon epitaxial wafers that become the heart of a microchip.

Today, domestic integrated circuits can be literally found in the pocket of any Russian citizen — inside payment cards, SIM cards and international passport chips



40

new chips and their modifications were put into a serial production by Mikron in 2022



INDUSTRIAL INTERNET OF THINGS (IIOT)

The implementation of the industrial internet of things is envisaged by one of the seven roadmaps for the development of digital technologies in Russia.

We were among the first companies to actively engage in the development of personnel monitoring at industrial enterprises, concurrently focusing on system design and improvement.

*Nikolay Kornev,
CEO of Concern Goodwin*

Concern Goodwin creates leading-edge electronic means of communication and data delivery aimed at industrial digitalisation. The smart system devised by Goodwin engineers detects the location of each employee, assesses their current condition and any potential threats to them. This ensures a high level of safety for industrial employees at fuel and energy companies, oil and gas enterprises, major pipeline transport facilities, petrochemical, gas chemical, mining and other companies.

SAFE URBAN ENVIRONMENT

Microcircuits manufactured by ELVEES Research and Development Center help to create high-tech industrial and public safety systems that ensure robust counter-terrorist protection and prevention of public order disturbances. They are powered by artificial intelligence, computer vision, radar surveillance and biometric identification technologies.

During 2022, ELVEES localised the entire microelectronics production cycle on the Alabushevo site.

The global leader in counter-terrorist protection, Diagnostika-M provides the safety of the country's major transportation hubs, public spaces and mass gathering events. Its equipment, distributed under the TSNK brand, is installed in the largest airports, railway stations, logistics centres, stadiums, places of mass gatherings and other locations.

In 2022, Diagnostika-M created several solutions that propel counter-terrorist protection to the next level. These include the world's first search system that distinguishes between metal and carbon fibre items that might pose danger, unique AI-powered screening equipment and a pedestrian radiation monitor to detect nuclear materials and radioactive substances.



In 2022, Privodnaya Technika Group of Companies started the serial production of lift winches to upgrade the lifting mechanisms in Moscow



GADGETS, DIGITAL CITY AND SCHOOLS OF THE FUTURE

Interactive panels, multi-displays, video walls for lessons and presentations, information terminals combined with unique learning solutions are manufactured on the Technopolis Moscow site by Russia's largest interactive equipment developer – NexTouch.

The strategy we pursue aims to maximise the use of our own components through their continuous development and implementation. We will become the first in Russia to build a matrix production plant.

Vladimir Krikushenko,
CEO of NexTouch

In 2022, NexTouch created children's desks in collaboration with Soyuzmultfilm.

Many of these solutions can be applied in the rehabilitation or inclusive education of people with disabilities.

During 2022, the company invented smart bus stops powered by solar energy. Passengers will be able to learn the arrival time, plan their routes and charge their smartphones while waiting for a bus. Such stops enable round-the-clock monitoring of noise levels, air quality, temperature, humidity and electromagnetic pollution.

In 2022, NexTouch developed smart solar-powered public transport stops





NEWEST COMMUNICATION, DATA PROCESSING AND NAVIGATION TECHNOLOGIES

In 2022, Zelenograd Nanotechnology Center started the serial production of the first domestic multiplexers that speed up data transmission by a factor of 30–40

Zelenograd Nanotechnology Center contributes massively to the development of telecom and navigation systems. The photonic integrated circuits developed by the company find their application in the aviation and space industry as part of onboard equipment and ground services infrastructure. They are also used in telecommunications to build powerful 5/6G data networks and establish connection to the high-speed internet, IP telephony and IP television.

Microcircuits fabricated by Angstrom serve as components for computers, cellular communication and cable television equipment.

There are six data centres operating at Technopolis Moscow, including the two largest federal-level data centres located on the Alabushevo site.

Optical transceivers that are responsible for data reception and transmission between network elements — data centres, equipment of communications or internet service providers — are manufactured by Neoros, a Russian tech developer.

In 2022, Neoros tripled the output of its high-speed optical devices for fast data transmission.

A wide range of components for short-range navigation systems (that assist spatial orientation) are manufactured by Mapper, a company based on the Technopolis Moscow territory. Manufactured components include accelerometers, gyroscopes, pressure sensors, controllable micromirrors, high-frequency filters, microswitches and inertial sensors.

Mapper is actively expanding the production of sensing elements for inertial sensors used in short-range navigation systems that allow objects to orient themselves in space.

*Vladislav Ovchinsky,
Head of the Moscow Department of Investment
and Industrial Policy*

During the reported year, Mapper doubled the output of microelectromechanical sensing elements for navigation devices.



Russia's navigation satellite system GLONASS uses the elements manufactured by a Technopolis Moscow resident — Molecular Electronics Research Institute



RISING ABOVE THE EARTH: AVIATION AND SPACE EXPLORATION

Devices that rely on radio receivers and navigation systems, from smartphones and televisions to civil aviation aircraft, can now be manufactured based on Russian surface acoustic wave (SAW) filters from Butis. They are designed to pass through the relevant radio signals and intercept interfering and other signals, even in an extremely changing ambient environment.

In 2022, Butis engineers developed a new radio-frequency filter for the onboard antennas of civil aviation aircraft. The new import-substituting chip ensures a more stable connection and a clearer radio signal.

Electroinvest Group of Companies, a Technopolis Moscow resident, produces hermetically sealed radiation-hardened secondary power supplies, protected from cosmic rays. They have been used in all domestic spacecraft sent into orbit since 2017.

Radio location, radio communication and radio control systems used in aircraft engineering and space developments are manufactured by Radiocomp, an industry leading enterprise and Technopolis Moscow resident.

**Approximately
20 companies
at Technopolis Moscow
manufacture import-
substituting products
for the space industry**





ECO-FRIENDLY ENVIRONMENT, RECYCLING AND SUSTAINABLE DEVELOPMENT

Ecoplast, a Technopolis Moscow resident, implemented end-to-end processing of industrial waste: beginning with the extraction of secondary plastics from the appliances to the manufacture of finished products using the obtained materials. The appliances and materials are crushed and processed to receive high-quality secondary plastic granules ABS, PS and PP, which are further used to produce new items.

During the course of 2022, Ecoplast opened a new production line to manufacture finished products from polymer waste. The products are intended for the utilities sector. The first to come off the production line was a batch of protection tiles for underground electrical cables.

Technopolis Moscow is home to Legoplast, an innovative enterprise that produces plastic panels for floor and rack storage. The company also manufactures items from recycled plastic. Such pallets don't require any repairs and, being resistant to moisture, water, decay and pests, have a life expectancy in excess of 10 years.



In 2022, Legoplast started production of plastic pallets. The plant's production capacity is 400 000 plastic pallets per year



NANOTECHNOLOGIES AND ADVANCED MATERIALS FOR SUSTAINABLE INFRASTRUCTURES

Nanocomposites are innovative materials of enhanced strength and lighter weight. They help construct resilient buildings, bridges and other facilities, create light-weight aircraft, strong pipelines and tanks, and wear-resistant reinforced road surfaces.

Products made of composite materials have become an integral part of urban infrastructure and critical industrial facilities.

Nanotechnology Center of Composites is a Technopolis Moscow resident and the largest manufacturer of the external reinforcement system CarbonWrap®. The technology enables safe structural repair of public and industrial facilities.

In 2022, Nanotechnology Center of Composites doubled its turnover in products for the construction and utilities sectors

The centre's specialists have developed a composite wrap for pipe protection designed to replace regular metal ones. Our wraps are distinguished by higher durability, interchangeable parts, stray current protection and compact transportability.

*Aleksey Rannev,
CEO of Nanotechnology Center of Composites*





INNOVATIVE MEDICINES AND HEALTHCARE TECHNOLOGIES

The pharma and biotech enterprises located at Technopolis Moscow manufacture life-saving and essential medicines, thereby contributing to the implementation of the National Strategy for the Development of the Pharmaceutical Industry, Pharma-2030. Diabetes, cancer, HIV, renal failure, tuberculosis, infectious diseases, and asthma are the groups of diseases that can already be treated with effective and safe domestic medicines.

One of Russia's largest innovative full-cycle biotechnology companies is Biocad. It specialises in medicines for oncological, autoimmune and infectious diseases, and develops products for the treatment of other diseases of public health importance. In 2022, Biocad accommodated a high-tech production facility for liquid formulations at Technopolis Moscow, including a bottling and packaging line. The facility is capable of processing 13 000 bottles per hour.

In 2022, Generium-Next opened a workshop at Technopolis Moscow to produce medicines for the treatment of bronchial asthma, cardiovascular conditions as well as rare and hereditary diseases.





We aim to provide the Russian healthcare system with domestic life-saving medicines as well as to ensure the affordability of advanced medical care for patients. In 2022, we began to produce 20 medicines: insulins, anticoagulants, antitumour agents and others.

*Andrey Kolokoltsov,
CEO of Amedart*

The OncoTarget company provides Russian patients with medicines for oncological, neurological, endocrine and other diseases. During 2022, OncoTarget had 22 medicines and more than 40 formulations registered, including two unique medicines.

Since 2022, Amedart has been manufacturing 20 medicines from the priority pharmaceutical groups of Russia's healthcare system. All of these medicines are produced from domestic substances at state-of-the-art production lines within its own fully localised production facility.

The country's only manufacturer of medical products for ostomy patients, GemaTech, produced 1.6 million medical items for such patients under an offset contract. Diagnostika-M developed a portable X-ray machine that enables diagnostics at the scene or in the homes of immobile patients.

Acrus Biomed started production of biomedical cell products to cure persistent wounds and burns.

In 2022, a Velpharm-M (Bright Way) production facility was put into operation on the Technopolis Moscow territory. The enterprise will manufacture medicines for respiratory conditions, musculoskeletal system disorders, digestive tract problems, as well as antimicrobials and other medicines. Overall, more than 80 life-saving medicines are planned for production.

A Russian manufacturer of animal vaccines, Vetbiochem, launched an import-substituting production of preparations for veterinary purposes. The company currently produces 37 vaccines for farm and small domestic animals, four immunoglobulin serums and 60 types of diagnostics test systems.

Electroinvest Group of Companies began the production of vibration therapy devices used to stimulate the musculoskeletal system. Their application significantly reduces the rehabilitation time in case of injuries and movement disorders.



Sites for technology development



Advantages offered by the sites — a growth driver for residents

The SEZ Technopolis Moscow sites are designed to provide the best conditions and customised configurations tailored to a company's specific needs.

- Modern infrastructure
- Flexible approach to the technological and economic needs of the residents
- Good transportation accessibility
- High-level industrial security and well-organised incident and emergency response procedures
- Stable lease terms
- Close proximity to personnel training centres
- Infrastructure for events: exhibitions, conferences, seminars and official receptions



**98% of usable area
is leased out as of 2022**

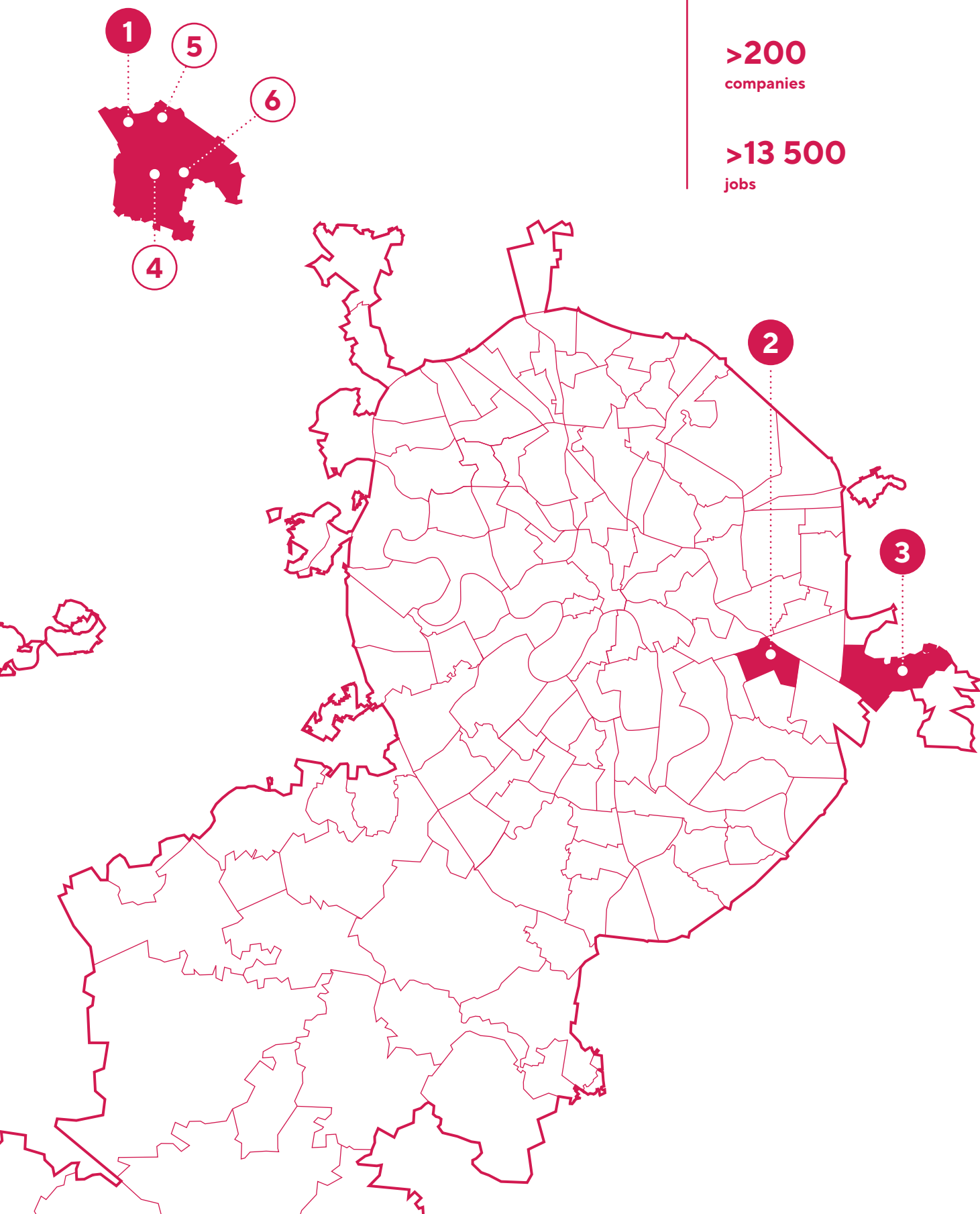
SPECIAL ECONOMIC ZONE
TECHNOPOLIS MOSCOW

223 ha
total area

>RUB 120 bn
in extrabudgetary
investments

>200
companies

>13 500
jobs



1 ALABUSHEVO

Total area: 156.8 ha
Floor area: 193 000 m²
Land type: greenfield + brownfield*

Industries

- Microelectronics
- High-tech production
- Medical technologies
- Pharma

2 PECHATNIKI

Total area: 33.5 ha
Floor area: 485 000 m²
Land type: brownfield*

Industries

- Microelectronics
- High-tech production
- Medical technologies
- Pharma

3 RUDNEVO

Total area: 36.5 ha
Floor area: 120 000 m²
Land type: brownfield*

Industries

- UAVs
- Microelectronics
- Medical technologies

* Greenfield: undeveloped sites.

* Brownfield: built-on sites.

4 MIET

Total area: 4.47 ha
Floor area: 29 000 m²
Land type: brownfield*

Industries

- Microelectronics

5 MIKRON

Total area: 13.36 ha
Floor area: 93 000 m²
Land type: brownfield*

Industries

- Microelectronics

6 ANGSTREM

Total area: 15.15 ha
Floor area: 133 000 m²
Land type: brownfield*

Industries

- Microelectronics

The Technopolis Moscow sites
that operate autonomously



29
residents

156.8 ha
total area

**The largest
Technopolis Moscow site
operating since 2019**

ALABUSHEVO

**The largest site at the special economic zone
Technopolis Moscow.**

**Early 2022 was marked by new constructions —
the Alabushevo Capital technology park
and two laboratory buildings.**

Location

Silino district, Zelenograd:

5 km	Leningradskoye Highway
20 km	Moscow Ring Road
15 km	Sheremetyevo International Airport
3.5 km	Kryukovo passenger railway station
100 m	Alabushevo passenger railway station
25 m	public transport stop

Parameters

Total area:	156.8 ha
Floor area:	193 000 m ²
Land type:	greenfield + brownfield*

Industries

- Microelectronics
- High-tech production
- Medical technologies
- Pharma

Comfortable environment

Congress centre:	1000 seats
Cafes and shops:	200 seats
Lobby bar:	172 m ²
Public spaces:	5 recreation areas

Utilities

Power supply:	110 MW
Water supply:	2 420 m ³ /day
Water disposal:	1 807 m ³ /day
Heat supply:	184 Gcal/h



In 2022, new facilities were put into operation

Velpharm-M

Develops and manufactures fully-tested medicines
at the high-tech innovative factory
Floor area: 33 537.4 m²

Termiko

Develops and produces electronic meters,
temperature and mass flow measurement systems
and devices
Floor area: 2 460.56 m²

Development prospects

- Erection of innovative laboratory and production buildings 4 and 5
- Construction of the Alabushevo technology park with a floor area of ~110 000 m²



47
residents

33.5 ha
total area

The year 2022 saw the completion of the Resource Sharing Centre (under the Moscow State Educational Complex) and of the outdoor sports venues

PECHATNIKI

The site is located on the former territory of the AZLK factory.

Location

Situated in the Pechatniki district (South-Eastern Administrative Okrug), the site enjoys excellent transport accessibility:

15 min	drive to the centre of Moscow
5 min	walk to the underground and railway stations, Tekstilschiki MCD (Moscow Central Diameter) station
2 min	drive to the Third Ring Road
1 min	drive to the Volgogradskoye Highway and Lyublinskaya Street
Parking lot	900 slots

Parameters

Total area:	33.5 ha
Floor area:	485 000 m ²
Land type:	brownfield*

Industries

- Microelectronics
- High-tech production
- Medical technologies
- Pharma

Comfortable environment

Congress centre:	800 seats
Catering:	5 cafes
Showroom:	158 m ²

Utilities

Power supply:	69 MW
Water supply:	2 150 m ³ /day
Water disposal:	1 150 m ³ /day
Heat supply:	156 Gcal/h

Tenant and resident facilities that became operational in 2022

Energoberezhnie

Runs an IT laboratory for the development and testing of specialised control and supervisory software for heating networks and hot water circulation systems. The software is intended for PJSC Moscow United Energy Company, PJSC Mosenergo, Moscow Government subdivisions, and for the company's own needs.

Floor area:	547.56 m ²
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Medplant

Manufactures innovative first-aid medical products and immobilisation items from advanced materials

Floor area:	84.9 m ²
-------------	---------------------

Medplant

Administrative premises

Floor area:	263.3 m ²
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Amedart

Develops and produces domestic life-saving medicines — protein kinase inhibitors and insulins

Floor area:	1 348.4 m ²
-------------	------------------------

Acrus Biomed

Manufactures biomedical cell products

Floor area:	887.2 m ²
-------------	----------------------

Vetbiochem

Office premises

Floor area:	778.34 m ²
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Develops and manufactures safe high-quality preparations for veterinary purposes

Floor area:	3 895.4 m ² and 803.2 m ²
-------------	---



Relcom Data

Operates and develops data centers, creating new energy-saving technologies for the operation of data centres

Floor area:	509.1 m ²
-------------	----------------------

Legoplast

Manufactures plastic pallets

Floor area:	1 047.6 m ²
-------------	------------------------

Development prospects

- Construction of more than 500 000 m² of new facilities
- Attraction of knowledge-intensive industries focused on the production of electric vehicles
- Construction of the city's resource centre for professional training



MIET / MIKRON / ANGSTREM

The sites are situated in the Staroye Kryukovo district (Zelenograd). They have incorporated the existing enterprises with the status of Technopolis Moscow residents.

14

residents

32.98 ha

total area
of the three sites

In 2022, the construction of the first building for the Innovative Electronics Centre was completed on the MIET site

MIET

Parameters

Total area:	4.47 ha
Floor area:	29 000 m ²
Land type:	brownfield*

Industries

Microelectronics

Development prospects

Creation of the Innovative Electronics Centre with more than 26 000 m² of floor area:

- opening of the first 5-storey building to accommodate the production of electronic modules and radio electronic equipment
- completion of the 11-storey administrative building designed for engineering activities and further training of MIET graduates

MIKRON

4 residents

Parameters

Total area:	13.36 ha
Floor area:	93 000 m ²
Land type:	brownfield*

Industries

Microelectronics

Development prospects

- Construction of new wafer assembly facilities
- Erection of two production and public buildings in the undeveloped area



ANGSTREM

3 residents

Parameters

Total area:	15.15 ha
Floor area:	133 000 m ²
Land type:	brownfield*

Industries

Microelectronics

Development prospects

Construction of 6 new buildings, 6 to 9 storeys in height, and a 30-storey administrative building with a total floor area of more than 50 000 m²





A NEW SITE
ready to welcome
residents

36.5 ha
total area

During 2022, 16 buildings
suited for 8 types of industrial
facilities were constructed
and put into operation

RUDNEVO

A new site of the special economic zone

Location

The site is situated in the east of Moscow:

5 km	Moscow Ring Road
1.8 km	Nekrasovka underground station
10 km	Novoryazanskoye Highway (M5 Ural)
12 km	Gorkovskoye Highway (M7 Volga)
44 km	Moscow Domodedovo Airport
22 km	Zhukovsky International Airport

Parameters

Total area:	36.5 ha
Floor area:	120 000 m ²
Land type:	greenfield + brownfield*

Industries

- UAVs
- Microelectronics
- Machine building

Comfortable environment

(upcoming construction)

Congress centre:	855 m ²
Catering:	726 m ²
Parking lot	
Minibuses from the Nekrasovka underground station	

Utilities

Power supply:	16 MW
Water supply:	1 201.33 m ³ /day
Water disposal:	908.33 m ³ /day
Gas supply:	4 033.2 m ³ /h

Development prospects

Creation of the Innovative Electronics Centre
with more than 26 000 m² of floor area:

- construction and launch of a 92 500 m² manufacturing complex for the aerospace industry
- construction of a 47 000 m² production facility for the aviation industry



05

Infrastructure that unlocks growth potential

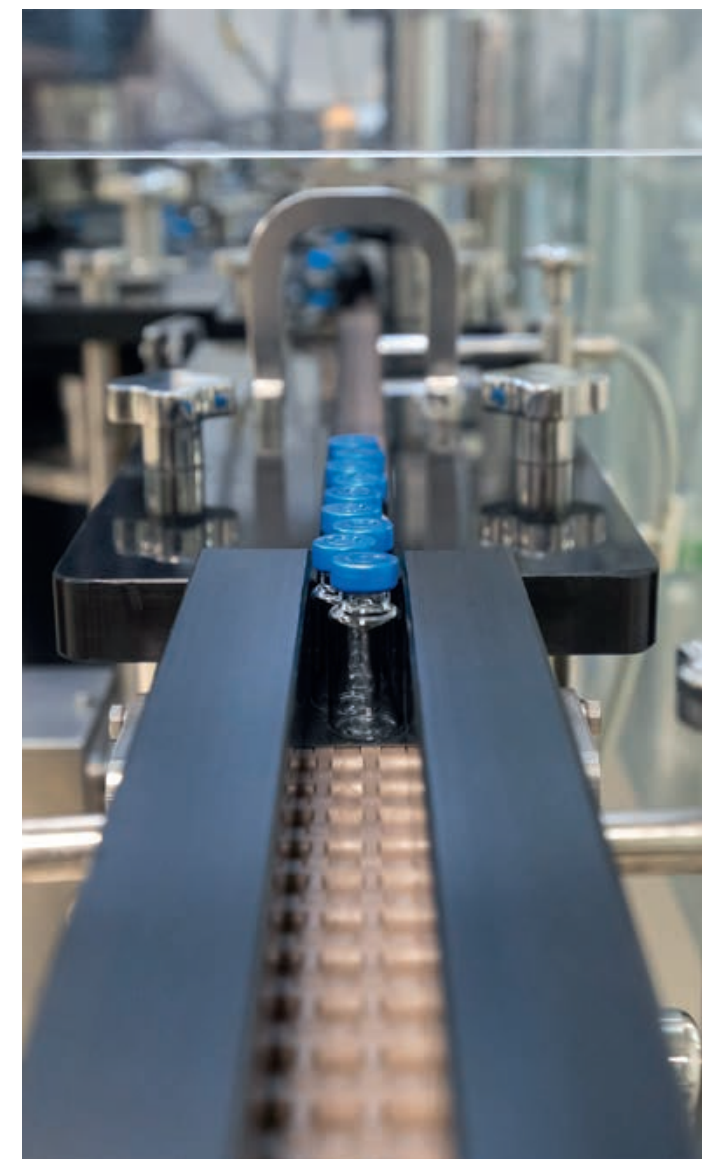
BEYOND THE BENEFITS. BEYOND IMPORT SUBSTITUTION

Technopolis Moscow enables high-tech enterprises to drastically speed up their time to market – from product idea to release. In some cases, it may only take a few months instead of several years. Furthermore, the special economic conditions help the residents reduce the production payback period and, from the very start, offer their products at competitive prices that are often many times lower compared with foreign counterparts.

Companies that are supported today in addressing import substitution tasks are to become the backbone of the country's resilient industrial ecosystem tomorrow.

The support package for the Technopolis Moscow residents includes:

- economic measures (tax benefits and preferences, a free customs zone)
- infrastructural measures
- personnel incentives



Since inception
of the special economic
zone, its residents have
saved RUB 4.5 bn
in tax payments



0%

property, land and transport
taxes for the first
10 years

TAX BENEFITS FOR THE RESIDENTS OF TECHNOPOLIS MOSCOW

During the first 10 years:

- 0% property tax
- 0% land tax
- 0% transport tax

Income tax:

- 2% until 2028
- 7% from 2028 to 2032
- 14.5% from 2033

FREE CUSTOMS ZONE

- 0% VAT on imported goods
- 0% customs duties



PREFERENTIAL LAND USE

- Preferential land lease terms — 2% of the cadastral value of the land plot with a reduction factor of 0.4 (year 1), 0.5 (year 2), 0.6 (year 3), and 0.7 (years 4 to 8)
- Once the facility is constructed and put into operation, a resident may purchase the land plot for 1% of its cadastral value



INFRASTRUCTURAL SUPPORT MEASURES

- Greenfield land plots within the Moscow boundaries
- Readily available production areas (brownfield) in close proximity to the city centre
- Clean rooms for microelectronics and biotechnological processes
- Office and commercial premises leased out to service and other companies (showrooms, cafes, etc.)
- Free-of-charge connection (within 30 days) to the utilities: power, water, heat supply and water disposal

The special economic zone is in demand both among the companies looking to lease ready-made premises and the investors intending to build a plant from scratch.

*Gennady Dyogtev,
CEO of the SEZ Technopolis Moscow*





TALENT SUPPORT MEASURES

The Technopolis Moscow enterprises engaged in high-tech serial production attract young specialists to such areas as robotics, artificial intelligence, unmanned transport, additive technologies and others.

20 career guidance tours were held as part of the Technostudy initiative.

30

universities in Moscow offer programmes in industrial engineering

>250

students underwent training and gained practical experience at the Technopolis Moscow enterprises and the managing organisation

55

participating companies welcomed trainees

26

agreements were signed with educational establishments

Technocareer is a unified recruitment platform for highly skilled professionals and graduates with engineering degrees.

300

vacancies created by the residents

350

resumes processed

69

companies on the platform

8

meetups of HR club residents

Supported by the Moscow Government, the Technocareer project allows the Technopolis Moscow residents to find the most sought-after specialists within 30 days.

The ability to search for qualified engineers on the Technocareer platform and organise targeted university education for young professionals as part of the Technocareer project makes it possible to create a strong talent pool both for residents of the special economic zone and also for the country's high-tech industries in general.



SERVICES ON THE SITES

Technopolis Moscow provides the conditions to facilitate higher production and economic efficiency of the resident enterprises. Among other things, the residents benefit from a wide range of on-site services.

Construction, design and cadastral documentation support services

- Technical supervision functions
- Development, review and approval of design and estimate documentation
- Construction oversight and permissions
- Preparation of design documentation
- Cadastral services

Information technology and communications services

- Network lease
- Access provision and maintenance
- Document preparation and approval
- Equipment deployment
- Postal services

Transportation services

- Lease of construction machinery
- Lease of light vehicles and electric cars
- Logistics centre services

Promotion and advertising services

- Design
- Event management
- Monitoring, content production
- Marketing campaigns
- Promotion on social media, SEO
- On-site outdoor advertising

Repair and cleaning services





Moskvich vintage cars festival

MEDIA SUPPORT AND FEDERAL-LEVEL EVENTS

The special economic zone Technopolis Moscow is a trusted mediator in fostering communications between the major federal mass media and resident companies.

Technopolis Moscow helps the residents be in the focus of social and economic developments, present their achievements professionally and ensure the widest possible outreach. To this end, Technopolis Moscow engages in daily interactions with the mass media to proactively provide information, process all incoming requests, accompany official delegations and initiate its own events.

Transparent communications both with the professional community and the general public are essential to facilitate the recognition of Russia's high-tech industries nationwide.

100 guest tours were conducted at 25 Technopolis Moscow enterprises

Thus, as part of the Technotourism initiative, more than 3 500 people have visited the sites of the special economic zone.



>27 700

mentions in mass media per year

10

regional and international official delegations

70

own events hosted for residents

7

city and federal forums

5 000

participants of offline events

150 000

participants of online events



January 2022
Road Show panel discussions



March 2022
Tennis tournament



May 2022
Big Break festival



February 2022
Guys-only technoparty



April 2022
Goszakaz exhibition

June 2022
Much-anticipated Family Day at Alabushevo



July 2022
Visit of the delegation of the Republic of Tatarstan



September 2022
Technofest at Alabushevo



November 2022
Road Show



August 2022
My District exhibition



October 2022
Microelectronics exhibition



December 2022
Resident initiation ceremony



EVENT SUPPORT AND RESIDENT CLUB

Technopolis Moscow provides its residents with spaces for open cooperation and cross-industry interaction. Exchange of experience, addressing common tasks, and tutorship facilitate the development of each resident enterprise and their involvement in international projects.

Technopeople

First-person insights into technologies, developments and inventions

Technocareer

A chance to join the Technopolis Moscow team

Technoprofessions

Stories from professionals about their career choices

Technoenvironment

Exchange of information about the development of residents, handling common tasks

Technotourism

An opportunity for the public to gain behind-the-scenes experience of the enterprises

**The resident club
held 20 business
meetups in 2022**

PUBLIC-PRIVATE PARTNERSHIP

Technopolis Moscow actively facilitates the building of distribution chains for the residents' products, attracting government organisations as their clients.

Thus, the Moscow Government was the first in Russia to introduce offset agreements that require the buyer to purchase a certain amount of goods from the supplier during the course of several years. The Technopolis Moscow residents became the first suppliers to benefit from this type of agreement.

In the reported year, 3 out of the 7 offset agreements made in Moscow were concluded with the Technopolis Moscow medical cluster enterprises.



Sustainable development: environment, people, state



Commitment to the principles of sustainable development is one of the paramount factors of investment attractiveness in the modern world.

Pursuant to the instruction of the President of the Russian Federation Vladimir Putin to the Government, the infrastructure sites that comply with the environmental, social and governance responsibility requirements can count on government support.

Sustainable development remains one of the key factors in the operation of the special economic zone Technopolis Moscow given that it accommodates the leading high-tech enterprises of the capital. The ESG agenda is equally important for the existing Technopolis Moscow sites and the new territories to be incorporated into the special economic zone.

*Gennady Dyogtev,
CEO of the SEZ Technopolis Moscow*

In 2022, Technopolis Moscow took some crucial steps towards further ESG transformation:

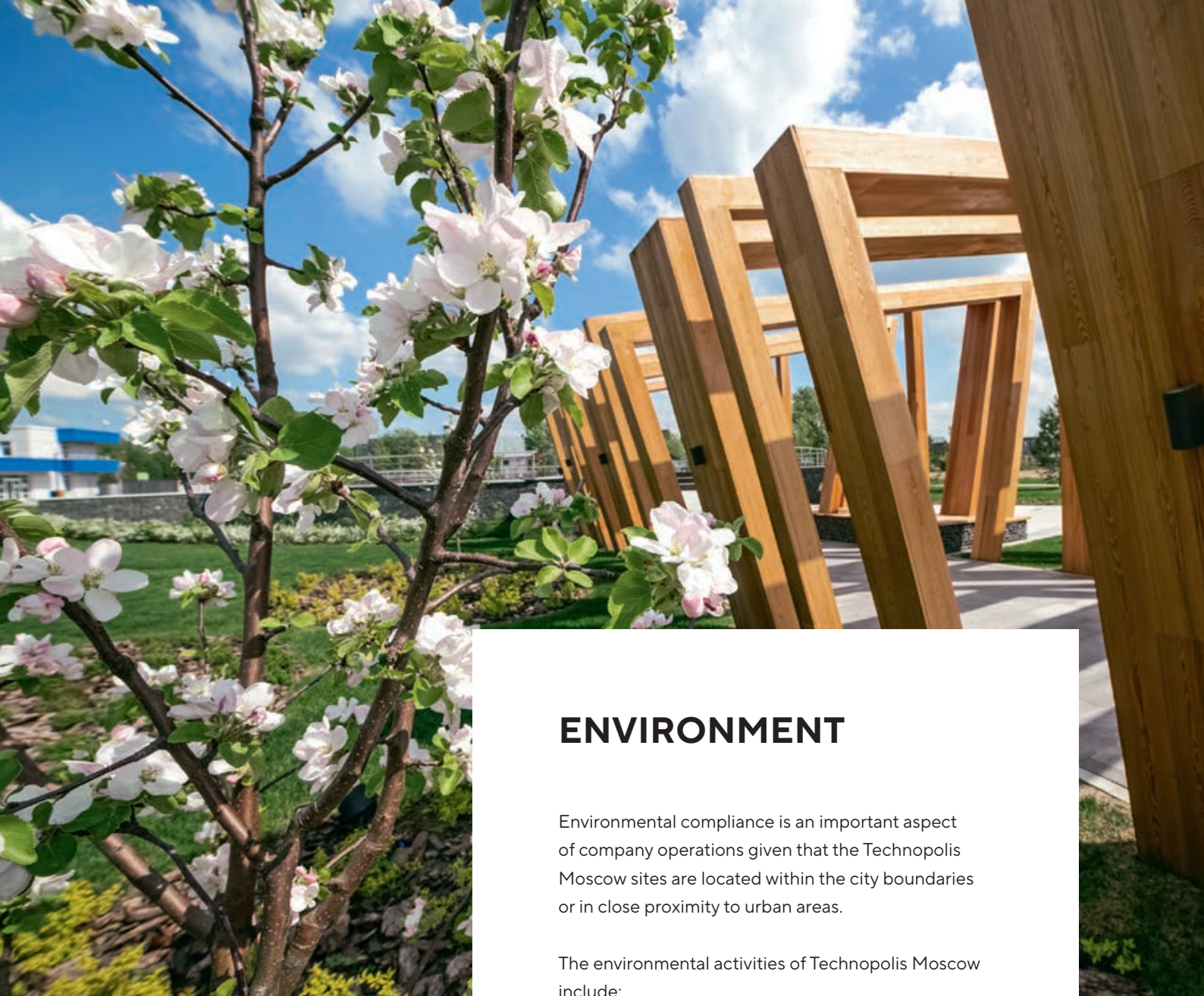
- conducted an audit of 5 sites
- made the first public release of its key ESG indicators
- involved over 40 employees in the development of design documentation
- determined the priority areas in sustainable development as per the UN SDGs

Technopolis Moscow became one of the first infrastructure sites engaged in embedding the ESG principles across all of its organisational processes. Specifically, the company focuses on:

- increasing process automation and energy efficiency
- creating an infrastructure to ensure comfortable working and recreation conditions for the employees of the managing organisation as well as for its residents and tenants
- extending the number of training hours for the employees of the managing organisation
- conducting anticorruption activities



Technopolis Moscow became one of the first infrastructure sites to start implementing the ESG principles across the board



ENVIRONMENT

Environmental compliance is an important aspect of company operations given that the Technopolis Moscow sites are located within the city boundaries or in close proximity to urban areas.

The environmental activities of Technopolis Moscow include:

- adopting energy-efficient technologies in the development of new sites
- attracting residents specialised in green technologies
- ensuring environmental safety of company operations
- encouraging an eco-friendly lifestyle and separate waste collection

PEOPLE

Over 10 000 people — 9 712 employees of the resident companies and circa 360 employees of the managing organisation — work on the Technopolis Moscow territory. Representatives of various professions, interests and ages interact with each other daily — from young specialists to experienced employees.

Technopolis Moscow puts special focus on the creation of a comfortable environment for socialising and exchanging best practices in a creative atmosphere.

More than 120 Technonetworking events brought people together by engaging them in sporting activities, social initiatives, green campaigns and joint leisure activities.

- Guided tours
- Exhibitions
- Conferences
- Sports tournaments
- Family Day
- Donor Day
- Master classes
- Contests



Becoming a resident



The prerequisites for potential residents are stipulated in Federal Law No. 116 dated 22 July 2005 'On Special Economic Zones in the Russian Federation'.

General requirements

Companies applying for a resident status:

- should be registered with a Moscow municipality that accommodates the special economic zone
- should not have any branches or representative offices outside the special economic zone
- may not assign their rights and obligations under the agreement on carrying out operations
- should enter into an agreement on conducting industrial production activities or technology development activities
- should ensure the compliance of their operations in the special economic zone with the agreement

Additional requirements

Potential residents are also expected to:

- have a high-tech production and items
- manufacture products to substitute critical imports
- meet the public demand (local and nationwide) for certain products
- have a highly localised production



SEZ Technopolis Moscow

12 Pechatnikov Lane, Moscow 107045, Russia

General enquiries:

Tel.: +7 495 647 08 18
office@technomoscow.ru

Resident status and office premises lease:

Tel.: +7 985 000 83 41
megorova@technomoscow.ru

Employment and traineeship:

rabota@technomoscow.ru
agromova@technomoscow.ru

Promotion, advertising and media relations:

Tel.: +7 906 062 40 26
pr@technomoscow.ru

