

# PASSPORT OF INNOVATION ACTIVITY OF THE REGION



## THE TOMSK REGION

## PASSPORT STRUCTURE

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## GENERAL INFORMATION ON THE REGION AND INDICATORS OF SOCIAL AND ECONOMIC DEVELOPMENT

1.	Region name	The Tomsk Region
2.	Name of the federal district comprising the region	Siberian Federal District
3.	Names of the constituent entities of the Russian Federation, adjacent to the region	Omsk Region, Tyumen Region, Krasnoyarsk Territory, Kemerovo Region, Novosibirsk Region.
4.	Area of the region, thousand sq.km	316.9
5.	Number of resident population as of January 01, 2016, people	1,076,800
6.	Administrative center	the city of Tomsk
7.	Major sectors of economy, %, 2014	2014: Agriculture, hunting and forestry: 4.1 Mining - 28.6 Manufacturing - 9.9 Electricity, gas and water generation and distribution: 3.6% Construction - 6.4 Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods - 10 Transport and communications - 9.5 Operations with real estate, rent and services - 10.9 Public administration and defense; social security - 5.8 Education - 4.7 Health and social services - 4.2

including those of industrial production, %, 2014

N/A

## 8. Major enterprises and organizations

### Siberian Chemical Integrated Plant JSC

The mission of Siberian Chemical Integrated Plant JSC is to manufacture products according to the world standards to increase consumer satisfaction, development of the Russian and world nuclear energy, to meet the challenges of nuclear defense complex of the Russian Federation. The accomplishment of the Mission enables to meet the political and economic challenges of the country, improve the quality of life of the plant's workers and the inhabitants of the city and the region. The priority is given to the provision of nuclear, radiation and environmental safety.

### Tomskneftekhim LLC

Tomskneftekhim LLC is a subsidiary of SIBUR and one of the largest Russian manufacturers of polymers - polypropylene and high-pressure polyethylene. The company includes a production line of monomers - ethylene and propylene, which completely provides the raw materials for polymers.

### **Territorial Generating Company No.11 Joint-Stock Company**

TGC-11 JSC is created in the course of reforms of the Russia's energy industry and brings together the largest generating

capacities of the Tomsk Region. TGC-11 JSC belongs to Inter RAO group, it is one of the largest generating companies of Siberia. The main activity of the company is production of electric and thermal energy.

**Tomskneft of Eastern Oil Company JSC**

Oil and gas production in the territory of the Tomsk and the Tyumen regions

**Tomsk House-Building Company**

Tomsk House-Building Company is the largest construction organization of the Siberian region and the main producer of housing in Tomsk and the Tomsk region.

9. <b>Regional clusters</b>	
Cluster specialization sectors	<p><b>Innovative territorial cluster “Pharmaceuticals, medical equipment and information technology of the Tomsk Region”</b> Medicines, medical equipment and materials produced using nanotechnologies; information technology and electronics</p>
Cluster specialization sectors	<p><b>Innovation and industrial cluster of renewable resources of the Tomsk Region</b> Forestry, fishing, fish processing, hunting, harvesting and gathering food, non-timber forest resources.</p>
10. Positions in ratings	<p><b>ranking 7<sup>th</sup></b> (rating of innovative regions of Russia, 2015, Association of Innovative Regions of Russia (AIRR)) <b>Low capacity - minimal risk (3B1)</b> (rating of investment attractiveness of regions 2015, RAEX (Expert RA))</p>

**Group II** (national rating status of the investment climate in the constituent entities of the Russian Federation 2015, Agency for Strategic Initiatives (ASI))

11.	Investment Portal	invest.tomsk.gov.ru
12.	Gross regional product (GRP), billion rubles, 2014	428 – 2014.
13.	Number of employed in the economy of the region, people, 2014	490,800 – 2014.
14.	GRP per employee in the regional economy (excluding extractive industries), thousand rubles, 2014	871 – 2014.
15.	Industrial production index, %, 2014	100.5 – 2014.
16.	Amount of fixed capital investment, million rubles, 2014	106,500 – 2014. 100,300 – 2015.
17.	Export volume, million US dollars, 2014	439.9 – 2014.
18.	Import volume, million US dollars, 2014	469.7 – 2014.
19.	Export commodity structure , million US dollars, 2014	2014: Food products and agricultural raw materials (excluding textile): 24.1 chemical industry products, rubber - 363; wood and pulp / paper products - 88.8; metals, precious stones and metallic products - 3.4 machinery, equipment and vehicles - 41.1 products of the fuel and energy sector - 354
20.	Import commodity structure, million US dollars, 2014	2014: Food products and agricultural raw materials (excluding textile):

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36.4

chemical industry products, rubber - 91.7

wood and pulp / paper products - 1.0

metals, precious stones and metallic products - 9.9

machinery, equipment and vehicles - 76.2

products of the fuel and energy sector - 9.4

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## INDICATORS OF INNOVATION ACTIVITY OF THE REGION, SCIENTIFIC AND EDUCATIONAL POTENTIAL

1. Development of high-technology business		
1.1.	Relative share of organizations engaged in technological innovation in total number of organizations, %, 2014	12.6
1.2.	Relative share of organisations engaged in non-technological innovation in total number of organisations, %, 2014	8
1.3.	Relative share of small businesses engaged in technological innovation in total number of small businesses, %, 2013	9.47
1.4.	Relative share of innovative goods, works and services in the total volume of goods shipped, works performed, services, %, 2014	3.5
1.5.	Revenues from export of technology relative to GRP, 2014, 2015	N/A
1.6.	Number of advanced manufacturing technologies created in relation to the economically active population, 2014, 2015	N/A
1.7.	Relative share of employed in high-tech and medium-tech (high level) activities in the total employment in the regional economy, %, 2014	N/A
1.8.	Share of high-technology and high-end technology	20.7



sectors in GRP, %, 2014

1.9.	Domestic expenditures on research and development in percentage of GRP, %, 2014	2.27
<b>2.</b>	<b>Brain capital</b>	
2.1.	Number of postgraduates and doctoral students per 100 thousand population, 2014, 2015	230 – 2014. 219 – 2015.
2.2.	Number of patents registered, pcs, including in Russia, 2014, 2015	399 – 2014. 475 – 2015.
<b>3.</b>	<b>Investment in science and education</b>	
3.1.	Public expenditure on education relative to the gross regional product, %, 2014, 2015	N/A
3.2.	Relative share of R&D expenses financed from own funds of organizations, %, 2014	2014 - 16 2015 – 13.7
<b>4.</b>	<b>Educational and scientific potential of the region</b>	
	<b>Research and scientific centers (SC)</b>	<b>Federal State Budgetary Scientific Institution “Tomsk Scientific Center of the Siberian Branch of the Russian Academy of Sciences” (TSC SB RAS)</b>
		792 Federal State Budgetary Institution of Science V.E. Zuev Institute of optics of the atmosphere of the Siberian Branch of the Russian Academy of Sciences
		Federal State Budgetary Institution of Science

Institute of Petroleum Chemistry of the Siberian Branch of the Russian Academy of Sciences

Federal State Budgetary Institution of Science  
Institute of Monitoring of Climatic and Ecological Systems of the Siberian Branch of the Russian Academy of Sciences

Federal State Budgetary Institution of Science  
Institute of High-Current Electronics of the Siberian Branch of the Russian Academy of Sciences

Federal State Budgetary Institution of Science  
Institute of Strength Physics and Materials Science of the Siberian Branch of the Russian Academy of Sciences

Federal State Budgetary Institution of Science  
Tomsk Branch of the Institute of Petroleum Geology and Geophysics of the Siberian Branch of the Russian Academy of Sciences

Federal State Budgetary Institution of Science  
Tomsk Division of the Institute of Computational Technologies of the Siberian Branch of the Russian Academy of Sciences

<http://www.tsc.ru/ru.html>

<b>Scientific research institutes (SRI) and Design Bureaus (DB)</b>	
Number of SRIs and DBs, 2015	11
<b>Largest SRIs and DBs</b>	
<p><b>Federal State Budgetary Scientific Institution “Research Institute of Cardiology”</b></p> <p>number of researchers, 2015 research areas</p>	<p>108</p> <p>The Research Institute of Cardiology carries out intensive research in practically all relevant areas of modern cardiology. Fundamental works are actively conducted in creating nanomaterials for treatment of atherosclerosis of the human blood vessels.</p> <p>The Institute conducts research in the fundamental aspects of the occurrence and development of socially significant cardiovascular diseases; identifying targets for diagnosis, treatment and improving forecasts; protection mechanisms.</p> <p>The receptor and signal mechanisms of the cardioprotective effect of immediate and long-term adaptation to hypoxia.</p> <p>The Institute has created and fundamentally justified in clinical practice the conception of modern prevention and treatment of heart failure in cardiosurgical patients. The Institute has developed an experimental technique of creation of the cell-free matrix of the blood vessel as the prospect for growing new blood vessels using tissue engineering for cardiovascular surgery. In clinical practice, the specialists of the Institute offered “hybrid” cardiosurgical treatment methods of dilated cardiomyopathy using cellular technologies.</p>

The Institute researchers studied mechanisms and clinical efficacy of radical treatment of atrial fibrillation with new methods of intracardiac radiofrequency ablation. The new criteria for predicting the effectiveness of cardio-synchronizing therapy were defined. The methodology of using stents with antiproliferative coating angioplasty was developed. New domestic radiopharmaceuticals were created.

official website

<http://www.cardio-tomsk.ru/>

**Federal State Budgetary Scientific Institution “Tomsk Research Institute of Oncology”**

number of researchers, 2015  
research areas

95

The departments of the clinic-diagnostic laboratory of the Tomsk Oncology Research Institute carry out studies in various fields.

*Department of Radiation Diagnostics:*

1. Primary and clarifying diagnostics using CT-Angiography, multifrequency sonography, Doppler sonography, stereotaxic biopsy, allowing to identify tumors of lungs, stomach, breast and prostate, and to assess the prevalence of tumorous process;
2. Radiation visualization using multimodal combining of the data of dynamic spiral computed tomography and single-photon emission tomography for larynx tumors, locomotor system, lungs;
3. Studies of the possibilities of ultrasonic three-dimensional reconstruction using Doppler sonography for diagnosis of

endometrial pathology, pathology of thyroid and mammary glands;

4. Mammography and ultrasound screening for detecting pretumorous pathology and early breast cancer.

*Department of Patanatomy and Cytology:*

The Department carries out the studies of molecular-genetic mechanisms of parenchymal-stromal relations in case of malignant tumors and their role in tumor progression.

The Department is working on the following problems:

1. Assessment of morphofunctional significance of heterogeneity of breast cancer;
2. Study of dynamics of the pools of circulating tumor cells and marrow cells-predecessors in breast cancer patients;
3. Study of the phenomenon of heterogeneity of immunoinflammatory reactions during the tumor process and its significance in progression of invasive breast cancer and lung cancer;
4. Study of proinflammatory status as a basis for forecasting the risk of hematogenous metastasis and recurrence of tumors;
5. Study on cytological, morphological and molecular-expression characteristics of underlying the irreversibility of dysregenerative changes of bronchial epithelium.

*Department of Radiologic Diagnostics:*

1. Development of scintigraphic methods of diagnostics of malignant neoplasms with oncotropic radiopharmaceutical (99mTc-MIBI, 99mTc-TF and 199Tl);
2. Development of methods for identifying the “sentinel” lymph nodes in different malignant tumors;
3. Study of the potential use of radionuclide techniques for evaluation of cardio-toxic complications after chemotherapy course and IORT in cancer patients;
4. Development of new radiopharmaceuticals for diagnosis and treatment of malignant neoplasms.

*Endoscopy Department:*

1. Early diagnosis of tumors and pretumor diseases of the gastrointestinal and respiratory tracts, creation of optimal diagnostic algorithm for forming groups of increased cancer risk for cancer of the upper and lower divisions of airways and digestive system;
2. Development of endoscopic methods of correction of pretumorous conditions and early cancers of gastrointestinal tract and respiratory system;
3. Development of integrated algorithm of monitoring in a group of patients with cancer of lungs, larynx, upper gastrointestinal track with use of modern endoscopy methods and marker diagnostics.

N/A

official website

number of researchers, 2015  
research areas

**Federal State Budgetary Scientific Institution “E.D. Goldberg Research Institute of Pharmacology and Regenerative Medicine”**

67

The main activities of the Institute include searching, creating and exploring new drugs of vegetable or synthetic origin. In this regard, the basic and applied (including clinical) studies are conducted in the following priority areas:

1. Creating new drugs of natural and synthetic origin, including genomic-based, postgenomic technologies and nanotechnology;
2. Study of regularities of functions of stem cells based on the models of common diseases. Creating new ways of pharmacological regulation of functions of stem cells, new cell technologies;
3. Study of mechanisms of development of dis-regulatory pathologies and development of methods of their pharmacological and non-pharmacological prevention and therapy.

The Institute carries out research of new original preparations - antihypoxants, antimetastatics, agents improving the flow properties of blood, immunomodulators, agents for treatment of anaemia and leukopenias of various genesis, agents for regenerative medicine, sexual dysfunctions and a number of other common diseases. Many of the medicines developed in the Institute are based on recombinant forms of cytokines and antibodies thereto, as well as using nanotechnology.

official website	N/A
<b>Higher education institutions (HEIs)</b>	
Number of HEIs, 2015	15
Largest HEIs	
	<b>Federal State Autonomous Educational Institution of Higher Education Samara “National Research Tomsk State University”</b>
number of graduates, 2015	3,282
education areas	Type of attendance: full-time Bachelor Degree Program 62 Specialist’s Program (FGOS/GOS) 13/25 Master’s Program 51 Postgraduate Program 18
official website	<a href="http://www.tsu.ru/">http://www.tsu.ru/</a>
	<b>Federal State Autonomous Educational Institution of Higher Education Samara “National Research Tomsk Polytechnic University”</b>
number of graduates, 2015	3,858
education areas	Type of attendance: full-time Bachelor Degree Program 45 Specialist’s Program (FGOS/GOS) 7/32 Master’s Program 34 Postgraduate Program 21
official website	<a href="http://tpu.ru/">http://tpu.ru/</a>
	<b>Federal State Budgetary Educational Institution of Higher Professional Education “Tomsk State University of Control and</b>



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	<b>Radioelectronics Systems”</b>
number of graduates, 2015	2,193
education areas	Type of attendance: full-time Bachelor Degree Program 45 Specialist’s Program (FGOS/GOS) 8/2 Master’s Program 36 Postgraduate Program 10
official website	<a href="https://tusur.ru/">https://tusur.ru/</a>

## STATE REGULATION OF INNOVATION ACTIVITY

### 1. Regional development strategies and programs for innovation and investment activities

DECISION OF ADMINISTRATION OF THE TOMSK REGION dated 30 October 2014 No. 414a “CONCERNING APPROVAL OF THE STATE PROGRAM “DEVELOPMENT OF INNOVATION ACTIVITIES AND SCIENCE IN THE TOMSK REGION”  
<https://tomsk.gov.ru/uploads/ckfinder/1/userfiles/files/414%D0%B0.pdf>

### 2. State support measures for innovation-driven development implemented by the region

**“Promoting new production technologies in organizations-members of the innovative territorial cluster “Pharmaceuticals, medical equipment and information technology of the Tomsk Region” through the provision of complex engineering and consulting services for preparation of production process and marketing of goods (works, services), preparation of construction and operation of industrial, infrastructure and other facilities, pre-design and design services”**

Description of support measures

Co-financing the costs of engineering and consulting (engineering) services (works) to develop:  
 - design and technological documentation and technologies of production equipping, including:  
 selection of optimal production process and methods of mechanization and automation of production processes (taking into account the volume of manufactured products), selection of the best equipment

(taking into account the following indicators: cost of equipment, its performance, requirements to operation and workforce, flexibility requirements, adjustment and readjustment), design of individual operations (development of assembly drawings, assembly diagrams, operating route maps), analysis of technological process (subject to regulation and balancing capacities of various component parts of the process in order to achieve maximum output or minimize costs of all used resources), selection and design of special production tooling; - regulatory and technical documents for innovative products, including: development of technical regulations and regulatory and technical documentation (including standards of various levels, technical specifications, declarations of conformity, certificates of conformity, etc.) for innovative products, development of documentation for certification and/or obtaining approvals for innovative products. Co-financing the costs of engineering services (works) on prototyping various samples of innovative products, units, housings, software, etc., services (works) of industrial design (including: conceptual design, sketching, prototyping, 3D modeling, visualization, designing, prototyping)

Co-financing the costs of engineering services (works) to conduct research and testing of various kinds for the participating organizations of the Cluster, including: the study of preclinical and clinical effects and safety of medicines, toxicological testing, microbiological testing, sanitary-chemical testing of materials of medical devices, physical test

Support Area	<p>methods of medical equipment, various types of testing of electronic devices and software</p> <p>Co-financing the costs of organizations participating in the innovative territorial cluster “Pharmaceuticals, medical equipment and information technology of the Tomsk Region” when receiving services (works) of technological nature.</p>
Support Form	Organizations participating in the innovative territorial cluster “Pharmaceuticals, medical equipment and information technology of the Tomsk Region”
Support Recipients	<b>Decision of Administration of the Tomsk Region No. 349 dated 29.09.2015</b> “On approving the procedure for granting subsidies to non-profit organizations (with the exception of state (municipal) institutions)”
Name, date and number of document introducing the measure	<b>Decision of Administration of the Tomsk Region No. 349 dated 29.09.2015</b> “On approving the procedure for granting subsidies to non-profit organizations (with the exception of state (municipal) institutions)”
Name, date and number of document defining the support procedure	ANO Tomsk Regional Engineering Center
Names of supporting organizations	Co-financing the costs of organizations participating in the innovative

territorial cluster “Pharmaceuticals, medical equipment and information technology of the Tomsk Region” when receiving services (works) of technological nature.

Support duration	June 2015 - June 2016
	<b>Support for activities of the specialized organization for development of the Cluster. Methodical, organizational, expert-analytical and information support for activities of the Cluster</b>
Description of support measures	<ul style="list-style-type: none"> <li>- Ensuring the creation of new cluster projects implemented by two or more participating organizations in the Cluster;</li> <li>- Examination of the cluster projects. Formation and updating the Registry of the cluster projects. Monitoring the implementation of the cluster projects;</li> <li>- Development of complex measures to support investment projects in the cluster, taking into account existing mechanisms of regional support and specialized tools the federal bodies of executive power;</li> <li>- Advisory services to the organizations participating in the Cluster;</li> <li>- Questioning and monitoring the status of innovation, scientific, production, financial and economic capacity of the Cluster, the activities of the organizations participating in the Cluster, implementation of the cluster projects;</li> <li>- Organizational, informational and methodological support of the Cluster management bodies;</li> </ul>

- Formation of new communication platforms for the Cluster members. Cluster members meetings/webinars/seminars/round tables/appointments and other communication activities.

Support Area	Methodical, organizational, expert-analytical and information
Support Form	subsidy
Support Recipients	Center of Cluster Development of the Tomsk Region LLC
Name, date and number of document introducing the measure	DECISION OF ADMINISTRATION OF THE TOMSK REGION dated 30.10.2014 October 2014 No. 414a "CONCERNING APPROVAL OF THE STATE PROGRAM "DEVELOPMENT OF INNOVATION ACTIVITIES AND SCIENCE IN THE TOMSK REGION"
Name, date and number of document defining the support procedure	Decision of Administration of the Tomsk Region dated 18.09.2015 No. 341a "Concerning approval of the procedure for granting subsidies to legal entities (except for subsidies to the state (municipal) institutions) to finance the costs arising when implementing actions for the development of the innovative territory cluster "Pharmaceuticals, medical equipment and information technology of the Tomsk Region"
Names of supporting organizations	Center of Cluster Development of the Tomsk Region LLC
Support duration	2016
	<b>Provision of advisory services on development of investment projects by the organizations participating in the Cluster according to the Cluster's innovation activities</b>
Description of support measures	- advisory services to the organizations participating in the Cluster; - provision of services to the organizations participating in the Cluster in

terms of legal support, marketing and advertising;  
 - information campaigns in the media to publicize the activities of the Cluster and its development prospects;  
 - marketing research on various markets, promotion of products related to the Cluster.

Support Area	Financial, organizational, informational
Support Form	subsidy
Name, date and number of document introducing the measure	Center of Cluster Development of the Tomsk Region LLC
Name, date and number of document defining the support procedure	DECISION OF ADMINISTRATION OF THE TOMSK REGION dated 30.10.2014 October 2014 No. 414a "CONCERNING APPROVAL OF THE STATE PROGRAM "DEVELOPMENT OF INNOVATION ACTIVITIES AND SCIENCE IN THE TOMSK REGION"
Names of supporting organizations	Decision of Administration of the Tomsk Region dated 18.09.2015 No. 341a "Concerning approval of the procedure for granting subsidies to legal entities (except for subsidies to the state (municipal) institutions) to finance the costs arising when implementing actions for the development of the innovative territory cluster "Pharmaceuticals, medical equipment and information technology of the Tomsk Region"
Support duration	2016
	<b>Professional retraining, professional development and apprenticeships for employees of Cluster members (including abroad) on the subject of Cluster activities, including in the area of innovation management, metrology, certification and launch of science intensive products manufacture</b>

Description of support measures	Professional retraining, advanced training and internship for employees of the Cluster members (including abroad) according to the Cluster activities
Support Area	Financial, organizational
Support Form	subsidy
Support Recipients	Center of Cluster Development of the Tomsk Region LLC
Name, date and number of document introducing the measure	DECISION OF ADMINISTRATION OF THE TOMSK REGION dated 30.10.2014 October 2014 No. 414a "CONCERNING APPROVAL OF THE STATE PROGRAM "DEVELOPMENT OF INNOVATION ACTIVITIES AND SCIENCE IN THE TOMSK REGION"
Name, date and number of document defining the support procedure	Decision of Administration of the Tomsk Region dated 18.09.2015 No. 341a "Concerning approval of the procedure for granting subsidies to legal entities (except for subsidies to the state (municipal) institutions) to finance the costs arising when implementing actions for the development of the innovative territory cluster "Pharmaceuticals, medical equipment and information technology of the Tomsk Region"
Names of supporting organizations	Center of Cluster Development of the Tomsk Region LLC
Support duration	2016
	<b>1. Information and consulting</b> <b>2. Financial forms of support for small and medium-sized businesses which carry out innovation activities:</b> <b>2.1. Competition "Starting a business"</b>
Description of support measures	The subsidy is designed for cost recovery at the start of the business project. The cost of acquisition of fixed assets shall not be less than 50%



of the amount of subsidy. Investment of own funds shall be not less than 30% of the amount of the subsidy requested. The competition “Starting a business” is held at the level of municipalities. Each municipality organizes this competition independently.

Support Area	Co-financing of municipal programs. Grants to budding entrepreneurs.
Support Form	subsidies
Support Recipients	Small and medium-sized businesses
Name, date and number of document introducing the measure	Subprogram “Development of small and medium-sized businesses in the Tomsk Region” of the state program “Development of entrepreneurship in the Tomsk Region”.
Name, date and number of document defining the support procedure	Decision of Administration of the Tomsk Region No. 186a dated 17.06.2011 “On the granting of subsidies from the regional budget to local budgets of municipal entities of the Tomsk Region in order to support municipal programs for development of small and medium-sized businesses”.
Names of organizations supporting	the Administration of municipal entities of the Tomsk Region
Support duration	
	<b>Granting subsidies for reimbursement of a part of the costs associated with acquisition of equipment to modernize production of goods (performance of works, services).</b>
Description of support measures	The maximum subsidy amount is under 7,000,000 rubles, but not more than 50 per cent of the costs associated with acquisition of equipment and its assembly (installation), but not more than 10% of the cost of the

equipment. The basic conditions of competitive selection:

a) The agent of the small and medium-sized businesses purchased new, not secondhand equipment.

b) The agent paid the costs associated with acquisition of the equipment.

Support Area	Support of small and medium-sized businesses associated with computer hardware.
Support Form	Subsidies
Support Recipients	Small and medium-sized businesses
Name, date and number of document introducing the measure 7	Subprogram “Development of small and medium-sized businesses in the Tomsk Region” of the state program “Development of entrepreneurship in the Tomsk Region”.
Name, date and number of document defining the support procedure	Regulation on the provision of subsidies for modernization of production of goods (performance of works, services) approved by the Administration of the Tomsk Region dated 15.10.2014 No. 391a.
Names of organizations supporting	Department of Industry and Entrepreneurship Development of the Tomsk Region.
Support duration 7	
	<b>Reimbursement of a part of costs on equipment leasing agreements.</b>
Description of support measures	The subsidies are granted in the amount of not more than 85% of the amount of initial (advance) payments on contracts for equipment leasing, to small and medium-sized businesses which create and/or develop or modernize the production of goods (performance of works, services) in territory of the Tomsk Region, but not more than 7 million rubles.

Support Recipients	Support of small and medium-sized businesses associated with computer hardware.
Name, date and number of document introducing the measure	Subsidies
Name, date and number of document defining the support procedure	Small and medium-sized businesses
Names of organizations supporting	Subprogram “Development of small and medium-sized businesses in the Tomsk Region” of the state program “Development of entrepreneurship in the Tomsk Region”.
Support duration	
	<b>Guarantee of the Guarantee Fund.</b>
Description of support measures	The issue of guarantees to the SME actors by Guarantee Fund of the Tomsk Region LLC to be used as security for obligations of the actors of small and medium-sized businesses (SME actors) to credit institutions for the amount of not more than 28 million rubles. The guarantee cost is 1% of the amount by the lump sum payment.
Support Area	Guarantee to small and medium-sized businesses
Support Form	Guarantee
Support Recipients	Management companies of technology parks are legal entities supporting establishment, development and operation of technology parks in accordance with the Law of the Samara region On State Support of Innovation Activity in the Samara Region
Name, date and number of document introducing the measure	Subprogram “Development of small and medium-sized businesses in the Tomsk Region” of the state program “Development of entrepreneurship in the Tomsk Region”.

Name, date and number of document defining the support procedure	
Names of organizations supporting	Tomsk Region Guarantee Fund LLC
Support duration	
<b>Competitive selection of youth entrepreneurship projects “Perspective”</b>	
Description of support measures	<p>Among small and medium-sized businesses that have been set up by the youth under the age of 30 years old and implementing the youth entrepreneurial projects “Perspective”.</p> <p>The amount of the subsidy is under 1 million rubles. The subsidies are granted to the winner of the Competition provided that, prior to filing an application, they have invested not less than 30 per cent of the amount of the grant requested out of their own funds.</p>
Support Area	Support to budding entrepreneurs.
Support Form	Subsidies
Support Recipients	Small and medium-sized businesses
Name, date and number of document introducing the measure	Subprogram “Development of small and medium-sized businesses in the Tomsk Region” of the state program “Development of entrepreneurship in the Tomsk Region”.
Name, date and number of document defining the support procedure	Regulation on the competitive selection of youth entrepreneurship projects “Perspective” No. 03-15
Names of organizations supporting	the Fund for Development of Small and Medium-Sized Businesses NPO
Support duration	
<b>Executive authorities (including subordinated institutions) in charge for the innovative development</b>	

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**of the region**

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**Department of Innovation Activity of the Tomsk Region Administration**  
<https://innovation.tomsk.gov.ru/>

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**Coordinating boards, deliberative bodies at authorities,  
whose activities include the issues in the field of  
innovation**

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Expert Council under the Deputy Governor of the Tomsk Region on  
scientific and educational complex and innovative policy.

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**Regional innovation events**

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## INNOVATIVE INFRASTRUCTURE

<b>1. Innovation infrastructure facilities</b>	
	<b>The Technology Innovative Special Economic Zone in Tomsk (TI SEZ Tomsk)</b>
Facility Type	Technology innovative special economic zone
Main Purpose of Facility	Financial Support
Facility Description	<p>SEZ of technology and innovation type in Tomsk was established by Decree of the Government of the Russian Federation dated 21.12.2005 No. 783 on the results of the federal competition held by the Ministry of Economic Development in December 2005. In accordance with Federal Law of 22.07.2005 No. 116-FZ “On Special Economic Zones in the Russian Federation”, the special economic zone of technology and innovation type is created for twenty years.</p> <p>The purpose of its creation is the formation of unique environment for active development of innovative businesses, production of scientific and technical products and its marketing at internal and external markets.</p> <p>Development directions of the city of Tomsk TIT SEZ include the sphere of information and communication and electronic technologies, technology of creation of new materials and nanotechnologies, biotechnologies and medical technologies, resource-saving technologies.</p>
Municipalities, where the facility is located	The city Of Tomsk

Actual address	8/8 Akademichesky Prospekt, the city of Tomsk, 634055
Facility URL	<a href="http://www.rusez.ru/oez/innovation/tomsk/tomsk/">http://www.rusez.ru/oez/innovation/tomsk/tomsk/</a>
Number of resident organizations, units	67
Main areas (types) of activity at the facility:	<ul style="list-style-type: none"> <li>• information and communication and electronic technology;</li> <li>• technologies of creation of new materials and nanotechnology;</li> <li>• biotechnology and medical technology;</li> <li>• resource-saving technologies.</li> </ul>
List of the main services provided:	X
name of the service	Special mode of doing business for residents of the TIT SEZ (tax, customs privileges, special premiums, rebates on rent and land buy back)
List of the largest consumers of services over the past 3 years:	X
name of organization-consumer	NIOST LLC, MainConcept DivX LLC, SPC Stealth LLC, Elcom+ LLC, NIITEC TPU-Drilling LLC, LEMZ-T LLC, Elecard Devices LLC
Most important projects implemented:	X
project title	“Experimental manufacturing of hardware-software means for digital television”
	“Development of automated systems of technological communication (TC) and automated control systems of technological processes (ACS TP) designed for continuous manufacturing processes management of enterprises of oil and gas industry”;

	<p>“Production and introduction of the automated systems of dispatching control, collecting and processing data (SCADA systems) based on the mobile networks of the third and fourth generations (3G, 4G)”;</p> <p>“Development of video coding technologies for broadcast, cinema industry, consumer electronics, software, x-ray and security market - DivX LLC.</p>
	<p><b>Limited Liability Company “Center of the Tomsk Region cluster development” (CTRCD LLC)</b></p>
Name (short name) of the organisation forming the basis for the facility	N/A
Facility Type	<p>Cluster development center</p> <p>Specialized organization for innovation cluster development</p>
Main Purpose of Facility	<p>information, consulting and expert-analytical support</p>
Facility Description	<p>CTRCD LLC is an essential element of innovation infrastructure, which is aimed, inter alia, at commercialization of scientific research results, promoting the development of innovative territorial clusters, support for small and medium-sized businesses, and it ensures the continuity of the process of creation of competitive science intensive products, increase of innovation activity of enterprises and the development of small high-tech enterprises.</p> <p>The Centre is responsible for existing and emerging clusters of the Tomsk Region (cluster of renewable natural resources, timber</p>



processing cluster and others), small and medium-sized enterprises in the framework of activities of the clusters, and simultaneously is a specialized organization for development of innovation territorial cluster “Pharmaceuticals, medical equipment and information technology of the Tomsk Region”.

The strategic goal of CTRCD LLC is to ensure a high level of well-being of the companies participating in the territorial clusters located in territory of the Tomsk Region, and increase of the standards of quality of life of the employees of these companies. This will be achieved through the creation of a dynamic, balanced and competitive regional economy of the Tomsk Region with using innovative systems and industrial clusters.

In accordance with the Charter, the Center carries out the following main activities:

- attraction of investments;
- provision of engineering and consulting services to enterprises;
- searching for promising targets and investment projects;
- participation in implementation of investment projects and programs;
- research and development in the natural and engineering sciences;
- research and development in social sciences and humanities;
- market research and identification of public opinion;

- consultation on the issues of commercial activity and management;

development of projects of industrial processes and production related to electrical engineering, electronic engineering, mining, chemical engineering, mechanical engineering, and industrial engineering, systems engineering and safety.

Municipalities, where the facility is located	The city of Tomsk
Actual address	Office 411, 7 Karl Marx Street, the city Tomsk 634009
Facility URL	<a href="http://innoclusters.ru/">http://innoclusters.ru/</a>
Main areas (types) of activity at the facility:	<p>developing and promoting the clusters development projects implemented jointly by 2 or more organizations-members of the clusters</p> <p>arranging training, retraining and advanced vocational training and apprenticeship of the staff; advisory services for the organizations-members of the clusters</p> <p>assisting organizations-members of the clusters in launching new products (services), development cooperation among organizations-members of the clusters in scientific and technical fields, including foreign organizations</p> <p>arranging fairs and exhibitions and communication activities in the sphere of interests of the organizations-members of the clusters and their participation in fairs and communication events in Russia and abroad</p>

interaction with federal bodies of executive power, bodies of state power of the constituent entities of the Russian Federation, bodies of local self-government in areas of the cluster policies and support for small and medium-sized businesses

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List of the main services provided:

- developing and promoting the clusters development projects implemented jointly by 2 or more organizations-members of the clusters
- arranging training, retraining and advanced vocational training and apprenticeship of the staff; advisory services for the organizations-members of the clusters
- assisting organizations-members of the clusters in launching new products (services), development cooperation among organizations-members of the clusters in scientific and technical fields, including foreign organizations
- arranging fairs and exhibitions and communication activities in the sphere of interests of the organizations-members of the clusters and their participation in fairs and communication events in Russia and abroad
- interaction with federal bodies of executive power, bodies of state power of the constituent entities of the Russian Federation, bodies of local self-government in areas of the cluster policies and support for small and medium-sized businesses

List of the largest consumers of services over the past 3 years:

X

MOYET Ceramic-Implante LLC  
IFAR LLC  
CKM LLC  
Contec-Soft LLC  
Elcom+ LLC  
Institute of Production Systems LLC  
National Research Tomsk State University (TSU)  
SMET LLC  
SBEI HPE SibGMU of the Ministry of Health of Russia  
EleSi JSC  
TUSUR

Most important projects implemented:

X

Arrangement and conduct of the clinical studies of injection drug Polistan, which reduces toxicity and enhances anti-tumor activity of antimetastatic and cytotoxic drugs  
Creation of the center for molecular visualization technique of Positron Emission Tomography (PET Center)  
Adaptive ERP-system - solution for business in volatile markets  
  
Information and communication integrated systems of the Russian Arctic area. Code "Arctic"  
Development of simulation training center for medical and non-medical personnel to work in extreme conditions  
World cyberfootball championship-2018. Creating robotic industry

in Tomsk

<b>Autonomous non-profit organization “Tomsk Regional Engineering Center” (ANO TREC)</b>	
Facility Type	Engineering Center
Main Purpose of Facility	Support for the regional SMEs
Facility Description	Tomsk Regional Engineering Center provides engineering services for the arrangement of technical and technological support for development of new products at all stages (including engineering, prototyping, etc.), engineering and technical processes, advises businesses on how to prepare and ensure production, provides assistance in obtaining technical licenses and documentation required for implementation of new products. The basic areas of activity of TREC include instrumentation, medical equipment and materials, information technology, chemistry and pharmacology
Municipalities, where the facility is located	The Tomsk Region
Actual address	Office 421, 3 Razvitiya Prospekt, Tomsk, the Tomsk Region, 634055, Russia
Facility URL	engineering.tomks.ru
Main areas (types) of activity at the facility:	X
name of activity area 1	Consultation on the issues of commercial activity and management
name of activity area 2	Designing production premises, including machinery and equipment placement, industrial design
name of activity area 3	Publication of books

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name of activity area 4

Publishing of journals and periodicals

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name of activity area 5

Renting of office machinery and equipment including computer equipment

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name of activity area 6

Renting of other machinery and equipment n.e.c.

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name of activity area 7

Financial intermediation n.e.c.

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List of the main services provided:

- Provision of services for technological and management audits of SMEs
  - Provision of services for the development of products and technologies, including the development of design, production and technological documentation, industrial design.
  - Provision of services to address the issues of intellectual property.
  - Provision of services for express assessment of Technology Readiness Index (TRI) of manufacturing SMEs in terms of development, modernization and innovation.
  - Provision of service for prototyping, manufacturing prototypes and batches.
  - Arrangement and participation in exhibitions, creation and development of specialized portals, websites, databases.
  - Provision of information and consulting services for positioning and transfer of innovative technologies and projects.
  - Provision of services for development of feasibility studies
-

and business plans to attract funding for implementation of modernization programs.

- Provision of services on certification, accreditation, licensing.
- Informing manufacturing SMEs and engineering companies on measures of government support (in the target segment) and the Russian RCI (Regional Centers of Informatization) services, non-profit and public organizations on technology transfer issues.
- Provision of services on development of modernization programs.
- Provision of services on commercialization of R&D (promotion and introduction of new technologies at industrial enterprises).
- Development of standards and methods, arrangement and holding of training programs for manufacturing and engineering SMEs in the field of system (integrated) engineering: manufacturing process management, management of construction and innovative projects, etc.
- Provision of engineering research, advisory services on development of technological processes, flow sheets, technology equipment manufacturing

List of the largest consumers of services over the past 3 years:

X

name of organization-consumer 1

Elesi JSC

name of organization-consumer 2

Micran JSC

name of organization-user 3	FSAEI HPE NR TPU
Most important projects implemented:	X
project title 1	Creation of an engineering center in the field of metal processing and casting of various types of plastics in the form of a private-public partnership on the base of Sibanalitpribor LLC
project title 2	Creation of a center of preclinical studies in the form of a private-public partnership on the base of IFAR LLC
project title 3	Adaptation of complex autonomous power supply for operation in harsh climatic conditions of the Arctic, using the concept of “uninhabited” technologies within the “Arctic” project
project title 4	Project to develop high-tech high-current inverter power sources with digital and analog control systems
<b>2. Cities with developed innovative infrastructure</b>	
Tomsk	