

ORGANIZATIONAL AND ECONOMIC MECHANISM OF INDUSTRIAL DEVELOPMENT OF THE TASHKENT REGION

TOSHKENT VILOYATI SANOATINI RIVOJLANISHINING TASHKILIY- IQTISODIY MEKANIZMI

ОРГАНИЗАЦИОННО-ЭКОНОМИЧЕСКИЙ МЕХАНИЗМ ПРОМЫШЛЕННОГО РАЗВИТИЯ ТАШКЕНТСКОЙ ОБЛАСТИ

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Annotation: In the conditions of transition to innovative economy radical changes in all public administration structures were required for the effective work of industrial enterprises of the region. Only by providing a favorable innovative investment environment and creating an effective mechanism for each industrial enterprise the region was able to get on the path of renewal and development. The article describes the directions of development of organizational and economic mechanisms for the development of region's industry in the in the conditions of the formation of an innovative economy. A number of mechanisms and their measurements are given. Opportunities to support innovation activities by regional governments are widely covered. In particular, the issue of financial security and tax incentives was raised. The importance of innovation centers and the need to open technology transfer centers are also explained in detail. The tasks of technology transfer centers and the sequence of work in this direction were also discussed. The organization of the development fund, the goals and objectives of the fund, the scope of activities and a number of programs in this area were also proposed. The article analyzes the innovative structure of the industrial complex of the region, highlights its components of the market, resource, financial, innovation and motivational blocks. The development of regional industry in three stages (initial, middle and final) is explained in detail. This is the basis for the need to develop a regional model for the development of the industry and the level of problems. The priority directions of development of the regional industry are determined. Basic principles, mechanisms and tools have been developed. The activities of regional industrial clusters were assessed qualitatively

and quantitatively. A system analysis of the regional model of the industry development was also carried out. Measures to support innovation activities have been developed by local governments. In conclusion, proposals are given within the framework of the tasks set for the development of the industry and directions for their implementation. It also included a comprehensive program of measures to develop high-tech production in the region. The measures are aimed at reducing the remoteness of the districts and cities that make up the region.

Keywords: region, industry, organizational, economic, mechanism, algorithm, model, reform, country, work places.

Annotasiya: Innovatsion iqtisodiyotga o'tish sharoitida viloyat sanoat korxonalarining samarali faoliyat yuritishi davlat boshqaruvining barcha tuzilmalarida tub o'zgarishlarni amalga oshirishni taqozo etdi. Har bir sanoat korxonasi uchun qulay innovatsion sarmoyaviy muhitni ta'minlash, samarali mexanizm yaratish orqaligina viloyat yangilanish va taraqqiyot yo'liga kirishi mumkin edi.

Maqolada innovatsion iqtisodiyotni shakllantirish sharoitida mintqa sanoatini rivojlantirishning tashkiliy-iqtisodiy mexanizmlarini ishlab chiqish yo'nalishlari bayon etilgan. Bir qator mexanizmlar va ularning o'lchovlari berilgan. Innovation faoliyatni hududiy boshqaruv organlari tomonidan qo'llab quvvatlash imkoniyatlari keng yoritilgan. Xususan, moliyaviy xavfsizlik va soliq imtiyozlari masalasiga alohida to'xtalangan. Shuningdek, innovation markazlarning ahamiyati, texnologik transfer markazlarni ochish zaruriyati batafsil yoritilgan. Texnologik transfer markazlarining vazifalari va ushbu yo'nalishda qilinadigan ishlar ketma ketligiga ham to'xtab o'tilgan. Shuningdek, rivojlantirish fondini tashkil etish, fondning maqsad va vazifalari, faoliyat doirasi hamda bu sohadagi bir qator dasturlar taklif etilgan. Maqolada hudud sanoati majmuasining innovation tuzilmasi tahlil qilingan bo'lib, uning bozor, resurs, moliyaviy, innovation hamda motivasion bloklarning tarkibiy qismlari yoritilgan. Hudud sanoatining rivojlanishi uch bosqichda (boshlang'ich, o'rta va yakuniy) batafsil tushuntirilgan. Mintqa sanoatini rivojlantirish modelini ishlab chiqish zaruriyati va muammolarni qo'yilish darajasi asoslangan. Hududiy sanoatni rivojlantirishning ustuvor yo'nalishlari aniqlangan. Asosiy prinsiplari, mexanizm va vositalari ishlab chiqilgan. Hududiy sanoat klasterlarining faoliyoriga sifat va miqdor jihatdan baho berilgan. Shuningdek, hududiy sanoatni rivojlantirish modelining tizimli tahlili amalga oshirilgan. Mahalliy hokimiyat organlari tomonidan innovatsion faoliyatni qo'llab-quvvatlash bo'yicha chora-tadbirlar ishlab chiqilgan. Xulosa o'rnida sanoatni rivojlantirish bo'yicha qo'yilgan vazifalar hamda ularni amalga oshirish yo'nalishlari doirasida takliflar berilgan. Shuningdek, viloyatda yuqori texnologiyali ishlab chiqarishni rivojlantirish bo'yicha kompleks chora-tadbirlar dasturini o'z ichiga olgan. Chora-tadbirlar hudud tarkibiga kiruvchi tuman va shaharlar o'rtidagi tavofutni qisqartirishga qaratilgan.

Kalit so'zlar: Hudud, sanoat, tashkiliy, iqtisodiy, mexanizm, algoritim, model, islohot, mamlakat, ish joylari.

Аннотация: В условиях перехода к инновационной экономике для эффективной работы региональных промышленных предприятий потребовалось проведение кардинальных изменений во всех структурах государственного управления. Провинция могла выйти на путь обновления и развития, только обеспечив благоприятную инновационную инвестиционную среду для каждого промышленного предприятия и создав действенный механизм. В статье описаны направления разработки организационно-экономических механизмов развития региональной промышленности в условиях формирования инновационной экономики. Приведен ряд механизмов и их измерения. Широко освещаются возможности поддержки инновационной деятельности региональными органами управления. В частности, был затронут вопрос финансовой безопасности и налоговых льгот. Также подробно объясняется значение центров инноваций и необходимость открытия центров по трансферу технологий, рассмотрены задачи центров технологического трансферта и последовательность работы в этом направлении. Кроме того рассмотрены предложения по организации фонда развития, цели и задачи фонда, сфера деятельности и ряд программ в этой области. В статье представлен анализ инновационной структуры промышленного комплекса региона, выделены его составляющие рыночный, ресурсный, финансовый, инновационный и мотивационный блоки. Подробно поясняется развитие региональной промышленности в три этапа (начальный, средний и конечный). На этом основывается необходимость разработки региональной модели, развития отрасли и уровень проблем. Определены приоритетные направления развития региональной промышленности. Разработаны основные принципы, механизмы и инструменты. Деятельность региональных промышленных кластеров оценивалась качественно и количественно. Также был проведен системный анализ региональной модели развития отрасли. Меры поддержки инновационной деятельности разработаны органами местного самоуправления. В заключении даются предложения в рамках поставленных задач по развитию отрасли и направлений их реализации. Среди них комплексная программа мероприятий по развитию высокотехнологичного производства в регионе. Меры направлены на сокращение удаленности районов и городов, входящих в состав области.

Ключевые слова: регион, отрасль, организационный, экономический, механизм, алгоритм, модель, реформа, страна, рабочие места.

INTRODUCTION

In recent years, all ongoing reforms are directly linked to solving problems in the formation and development of a competitive environment in the country and its territories, filling the domestic market with necessary industrial goods and services, creating new jobs and producing competitive industrial products for foreign markets.

In the last decade, the adoption of the following resolutions: Decree of the President of the Republic of Uzbekistan No. 1442 dated from December 15, 2010 “On priorities for the development of the industry of the Republic of Uzbekistan in 2011 — 2015”, dated on October 4, 2011 No. 1623 “On measures to expand and develop the production of new types of competitive products”, dated on October 31, 2011 No. 1633 “On measures to further improvement the management of the food industry of the republic and development in 2012-2015”, dated on December 27, 2011 No. 1668 “On the investment program for 2012”, has provided another impetus for the development of industry in the region.

All the laws and resolutions enacted to accelerate the process of industrial production promoted the development of industries of primary and secondary production of finished industrial products. In addition, the adoption of Resolutions of the President of the Republic of Uzbekistan dated on June 27, 2017 “On measures to train engineering and technical personnel in the production and industrial sector of Tashkent region”, dated on August 8, 2017 “On priority measures to ensure accelerated socio-economic development of the regions”, as well as on August 10, 2017 “On the creation of small industrial zones in Tashkent region” became the basis for the creation of 17 small industrial zones in the region.

The adoption of the Decree of the President of the Republic of Uzbekistan of September 21, 2018 “On approval of the strategy for innovative development of the Republic of Uzbekistan for 2019-2021” contributed to the revival of innovative development as a result of the emergence of a set of incentives in the republic. Along with this, the adoption of the Concept of Development of the Republic of Uzbekistan until 2035 has become an incentive for innovative development in all sectors of the economy.

METHOD

Methods of structural analysis, economic and statistical generalization, synthesis and analysis, factor and comparative analysis, graphs, forecasting, tables were used in the article.

RESULT

The ongoing economic reforms are aimed at creating high-tech complex types of production with the involvement of domestic and foreign investment. Another of the main incentives for the development of industry in the region is the “Action strategy for the five priority areas of development of the Republic

Table No. 1

Organizational and economic mechanism of innovative formation and development of the industrial complex of the region

Economic mechanism		Organizational mechanism	
Mechanism	Measures	Mechanism	Measures
Stimulating process	Allocation of incentives to forms of private ownership, allocation of various allowances to innovative enterprises	Information support	Creation of a regional sector of technology transfer centers, organization of banking of scientific and technical information on innovations, an effective mechanism of news distribution, information resources for studying the state of the markets of goods, technologies and intellectual property, innovation fairs, forums and contests
Renewal and reforming of fixed assets	Formation of depreciation funds, capitalization of funds received from sale of obsolete fixed assets	Development of a methodology for the innovative assessment of the regional industrial complex	Development of tools and approaches to assessing innovation development, approaches to factor-structural analysis and determining the rating of the industrial complex of the region
Support for innovative development by territorial authorities	Financial support for R&D, formation of state orders, state guarantees, allocation of subsidies for priority projects, application of innovation vouchers	Creation of innovation funds of different levels	Creation of various funds at the expense of the budget, foreign investments, funds of industrial enterprises, population and other persons, creation of venture capital funds, industrial development fund
State support for innovative development	Rational system of R&D taxation for enterprises, introduction of preferential customs duties	Institutional mechanisms of innovative development	Establishment of effective relation between industrial production entities and the state

of Uzbekistan for 2017-2021". In addition, due to the adoption of Resolution No. 802 of the Cabinet of Ministers of the Republic of Uzbekistan dated from September 24, 2019 "On additional measures for the development of the industrial potential of Tashkent region for 2019 - 2022" and many other resolutions, further development of industrial production was achieved.

This strategy outlines such goals as increasing the volume of industrial production by 1.5 times in 5 years, bringing its share in GDP to 36 percent, increasing the share of the processing industry in industry to 85 percent. Over the years of independence, more than 130 resolutions and decrees have been adopted concerning the region. Industrial production in the region grew by 3.8 percent in 2020, with processing industry accounting for 86.7 percent and a 42.0 percent share of GDP. Some resolutions focus only on the development of the high-tech industrial sector in pharmaceuticals (*Mahmudov M.F., 2019: 28-32*).

Based on the above-mentioned resolutions, production in the industrial sectors was further accelerated due to exemption from import duties on raw materials necessary for the production process of industrial enterprises in the region, costs of modernization and technical re-equipment, allocation of short-term loans for the production of exported products. As in all industries, special attention was paid to the innovative development of the industry. During this period, important laws and resolutions affecting the development of industrial sectors were adopted. This has made the industrial sector one of the industries in the region where production rates are growing rapidly (*Akhmedov T.M., 1992: 26-30*).

DISCUSSION

Nowadays, there is a complex system of institutions responsible for various aspects of the development of industrial sectors. Sometimes, this leads to a repetition of functions, which makes it difficult to coordinate their activities. This can also sometimes lead to serious obstacles in the development of the industry. The need to develop a new organizational and economic mechanism of the industrial complex through the formation of innovative structures, such as innovation and technology transfer promotion centers, venture capital funds, industrial development centers in the region, is one of the main objectives of the research. (Table No. 1).

Attracting investment and capital accumulation	Implementation of innovative and investment projects, reinvestment of profits, application of allowances at income capitalization	Innovative programs and projects	Implementation of targeted scientific and technical projects
Economic support for innovation	Pricing, improvement of labor incentives system, risk insurance	Organizational forms of innovative activity	The choice of one of the organizational forms of operational introduction of innovations: business incubators, techno parks, technopolises, clusters, outsourcing, foresight centers, corporate universities, cluster development centers

One of the main reasons for low efficiency of innovation policy in the industrial sector in the current region is the weakness of the institutional framework of the industry. The systematic scheme of innovation activity support by territorial authorities that we propose will help the region to take its place in the innovation and technology market of the region (Figure 1).

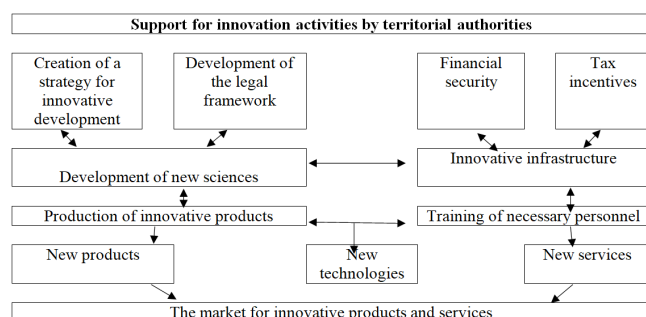


Figure 1. Support of innovation activities by regional authorities

In addition to the process shown in Figure 1, it is necessary to use scientific knowledge for technological modernization, to increase the importance of the concept of science.

This is due to the fact that it has a low demand and solvency for high-tech products from its potential customers, the interest in importing equipment, as well as the introduction into production or insufficient production level, insufficiently active development of their own manufacturers of joint promotion of innovative products on the market (Rastvortseva S.N., 2020: 28-42).

The adoption of the Law of the Republic of Uzbekistan dated on July 22, 2019 “On science and scientific activity”, the state program dated as of March 2, 2020 on the implementation of the “Strategy of Action on five priority areas of development of the Republic of Uzbekistan for 2017-2021” in the “Year of development of science, education and the digital economy” made a significant contribution to ensuring the development of the system of science and education in Uzbekistan in increasing industrial production.

Currently, there are several scenarios for the development of industry in the region. We are forced to choose one of them. The first one is inertial, that is. the development of industry based on natural raw materials and energy sources. If we develop on the basis of this scenario, it may gradually exhaust its resources. The second scenario is the development of an industrial industry based on technological achievements of innovation. For this purpose, it is necessary to increase significantly (in terms of volume) the volume of innovative capital investments in the medium term. Industrial engineering works should be created from scratch. In order to modernize the material and technical base of the industry, it is necessary to develop a new technological base and state program of technical re-equipment of fixed assets in a new structure (Mazilov E.A., 2015: 115-121).

First of all, it is necessary to ensure the production of innovative products in the region. To do this, it is necessary to create conditions for increasing the expenditures of industrial enterprises on research and development by at least 3.0 percent of GDP (1.5 percent - budget funds, 1.5 percent - funds of other funds).

In this regard, it should be noted that the increase in the amount of funding for research and development, in general, provides a positive socio-economic effect when there is a broad development of financing of innovative processes in proportion to the stages and types of work.

In the conditions of transition to an innovative economy, one of the most important conditions for the development of the region’s industry with the effective use of science and technology remains the introduction of the correct method of introducing modern innovative technologies (Vakhabov A.V., 2017: 5-12).

In addition, the state support in the implementation of priority projects in this area is one of the important factors, in this regard, it is advisable formation of state orders for research and development, the formation of a database at the regional level for projects, providing protection of intellectual property results and equivalent funds, organization and coordination of fund activities of regional authority to support innovation activities, activities of extrabudgetary fund for the development of scientific research.

Consequently, it is important to create, maintain and integrate technology transfer centers in order to attract unique and advanced technologies to industrial enterprises of districts and cities of the region. The regional technology transfer industry should be connected to the sector at the country level. Cooperation in the industry will allow companies to increase competitiveness, find new partners to launch high-tech projects using new technologies. The center that we propose will perform all the functions of supporting industrial enterprises in the region. It is necessary that the head office of this center is located in the regional center in Nurafshan city (Table No 2). The activities of the center will cover all districts and cities of the region.

Table No. 2

Objectives of the technology transfer center

№	Objectives of the center	Work required to perform in terms of the objective
1	Scientific and technical	Management of innovative projects, selection of intellectual property, carrying out expert examination
2	Marketing	Market analysis, development and implementation of marketing strategies
3	Legal	Resolving issues related to the protection of intellectual property rights
4	Financial	Development of business plans, attracting investors, budget management
5	Administrative	Implementation of patenting, licensing and certification processes
6	Advisory	Implementation of educational and consulting services in the areas of scientific and technical expertise and creation of innovative developments

However, to achieve the above objectives, in our opinion, there are a number of obstacles, namely the imperfect management system of innovation processes within the region, the lack of financial resources to create technology transfer centers, the lack of regulatory framework to support the activation of innovation.

One of the priority objectives of the further development of the industrial complex of Tashkent region is to increase workforce capacity. To increase the competitiveness of labor resources, it is necessary to create a reserve of high-quality personnel. An important process in this area is the organization of corporate universities, the formation of a system of quality education at enterprises [12].

Therefore, in our opinion, it is necessary to create corporate universities in coordination of industrial enterprises of the region with educational institutions. Such universities lead to the integration of educational institutions and industrial enterprises, increasing the research capabilities of employees in the technical sphere.

Within the framework of increasing the workforce capacity of the industrial complex of the region, also aimed at increasing the entrepreneurial activity of the population, it is necessary to form a positive image of the entrepreneur in order to stimulate the increase of the entrepreneurial capacity of the population of the region. For this purpose, it is necessary to carry out direct cooperation with the universities of the region in this area, to accept entrepreneurship in the public consciousness as a form of employment that generates a sustainable income, as well as to show specific results of activities that reflect the characteristics of business entities. Also, it is necessary to develop a system of online information and consulting services through special websites for the population and entrepreneurs who want to become entrepreneurs.

Another means of state support for industrial enterprises in the region is the use of tax policy tools. Legislative documents should provide for measures to provide tax and customs incentives, extend tax holidays for the development of industrial production. In addition to tax policy instruments, it is important to use credit policy instruments (*Vakhabov A., Khadzhibakiev Sh., 2016: 2-7*).

According to the analysis of the market of services provided by the production and innovation infrastructure, it is necessary to create organizations (cluster development centers) aimed at developing regional production groups in the region, as well as creating conditions for the effective operation of enterprises.

In our opinion, it is necessary to develop information and analytical data of cluster development centers, implement projects, ensure the use of high technologies, provide new products and services, provide certificates for products, organize professional development and retraining courses, create industrial parks, create favorable conditions, organize high-tech jobs, expand tax incentives, organize centers for the collective acquisition of high-tech equipment.

The production of such centers is an element of the innovation infrastructure, which will serve to develop domestic production, increase exports of high-tech industrial products, and, consequently, increase the competitiveness of the region. The organizational and economic mechanism of innovative development of the region's industry is based on the process of activation of innovative activity. Acceleration of innovation activity of industrial enterprises is achieved at the expense of the formation of the following components: market, resource, financial, motivational, production and innovation infrastructure (Table No. 3).

Table No. 3

Components of innovation activity in the industrial complex [2]

Structure of innovation activities of the regional industrial complex				
Market block	Resource block	Financial block	Innovation block	Motivation block
Relation between the seller and the buyer of innovation	Intellectual resources	Source of funding	Innovative technology centers	Efforts to analyze information in the innovation market
Demand and supply for innovation	Technical resources	Organizational form of financing	Information system objects	Actions for investing in the real sector of economy
Estimating contract prices	Human resources	Financial methods	Production clusters	Promotional efforts
Investor opportunities	Other resources for innovation activities	Financial leverage and incentives	R&D departments	Actions in the insurance market by improving business efficiency

Along with the above-mentioned measures, an important component is the development of institutions financing the industrial complex. In order to carry out a qualitative modernization of industrial enterprises in the region, it is necessary to create a fund for the development of target creditors (5 percent) on the basis of preferential interest. The main areas of implementation within the framework of support are the following.

1. The “Initial” program. Allocation of subsidies to small enterprises on an irrevocable basis.

2. The “Development” program. Financing of small enterprises in the field of electrical engineering, chemistry, food, light industry.

3. “Scientific” program. Financing of large enterprises for the introduction and implementation of R&D.

4. “Commercial” program. Financial support of small enterprises in the implementation of innovative projects.

We also recommend setting up an industrial development fund. The Industrial Development Fund was formed as a non-governmental, non-profit organization, the main purpose of which is to increase the possibilities of getting loans to finance technological production projects, promote modernization and organization of new production, stimulate the production of export-oriented products and assist in the training of

scientific and technical specialists of leading industries (Zinchenko V.I., 2009: 27-32).

The following should be defined as the direction and objectives of the fund:

1. To assist in the implementation of practical scientific and technical work in the field of production.

2. To establish mass production based on the developed new ideas.

3. To train scientific and technical personnel.

According to our proposal, the financial source of the fund can be organized as follows:

1. Financing at the expense of the local budget of the region (up to 1 percent of the budget)

2. Allocation of subsidies under the programs of the Ministry of Economic Development and Poverty Reduction.

The costs due to the operating activities of the fund are covered by the regional budget. If this project is implemented, higher economic efficiency will be achieved. The number of enterprises using the fund's services will increase. Modernized jobs with highly efficient production will be created. Due to the innovative production technologies, innovative products will be produced, replacing foreign analogues. As a result, the region's specialization in raw materials will decrease. The Fund should become one of the main supporting institutions of innovative development of industrial enterprises in the region (Batirova N.Sh., 2021: 2-14).

ANALYSIS

Modernization and diversification of production and expansion of production of competitive industrial products are carried out in our country. Special attention is also paid to this in the program for the development of the industrial potential of Tashkent region for 2019-2020. However, the program emphasizes the development of cement production, the creation of cotton clusters at the primary level, with a secondary emphasis on the development of high-tech industrial production.

According to the analysis of the study of the industrial complex of Tashkent region and its districts, cities, despite the fact that the modern development of the industrial complex is extensive, the existing potential allows us to produce high-tech products. This, in turn, increases competitiveness in the industry and determines the need to develop a strategy for the development of the region's industry.

Nowadays, the transition of the region's industry to the path of innovative development leads to the development of the region, increasing the competitiveness of industrial enterprises, ensuring qualitative growth. In our opinion, it is necessary to divide the industry into 3 main stages of innovative development (Table No. 4).

Table No. 4

Stages of innovative development of the region's industry

Initial stage	Intermediate stage	Final stage
Economic development, in particular legal support for industrial development	The number and structure of the population employed in the industry, the structure of engaged people in scientific research in industry	Volume of industrial production
Quality of the economic mechanism	Wages of the population employed in the industry; wages of engineers employed in the industry	The volume of innovative products in the total volume of industrial production
Structure and volume of expenditures on industrial development	Cost and structure of fixed assets and intangible assets of industrial enterprises	Share of the country's industrial production in the world market
Taxes and loans stimulating industrial development	Quality of state strategic management system, regulation and support of industrial development	Labor productivity in the industry

These stages involve solving a number of priority tasks. High-tech industrial infrastructures (clusters) will be organized according to the specialization of the region.

Thus, in the Table No. 5, the model of industrial development of the region developed by the author is described. This is reflected in the sequence of transition of the industrial development of the region to the path of innovative development. When using this algorithm, it is necessary to take into account the structure and individual aspects of the development of industrial enterprises of Tashkent region. Achieving such a goal requires the gradual development of the region's industry (Batirova N.Sh., 2022: 21-35).

Table No. 5

Model of regional industrial development

To substantiate the formulation of the problem and the need to create a model for the development of regional industry		
1. Database and initial state analysis		
Data collection and analysis of the current state of the region's industry	Analysis of the state of industrial production and trends in the development of the region	Identifying problems in the industry and making development forecasts
Identification of priority tasks for the development of regional industry		
2. Identification of priorities for the development of regional industry		

Performing SWOT analysis	Setting goals	Identification of priority areas
Development of basic principles, mechanisms and tools for the development of regional industry		
3. Development of directions for the development of the regional industrial complex		
Development of knowledge-intensive production in the industrial enterprises of the region	Development of human resources of the regional industrial complex and attracting investment	Formation of conditions for the organization of production clusters.
Working out of a mechanism for the development of a regional industrial complex		
4. Quantitative and qualitative assessment of the activity of regional industry clusters		
Quantitative and qualitative assessment of the cluster ratio	Division of priority directions for the development of production clusters	Development of the main participants, goals and objectives of clusters
Development of stages, goals and objectives of technological modernization	Formation of intersectoral programs for the formation of high and new industries	Formation of innovatively active enterprises in the high-tech industry
5. Transfer of the region's industrial development to the path of innovative development		
Increase of entities producing innovative structures and innovative services, enhancement of the activity of participants in the innovation process		
Development and support of innovative projects aimed at ensuring the development of the industrial sector of the region and creating conditions promoting to the interaction of various facilities in this area		

In the development of the industrial complex of the region, it is important to implement the socio-economic development strategies developed in most regions, ensuring the effective activity of participants in this area.

Otherwise, the process of innovative development of the region's industry can remain only a formal process. The main part of the strategy of technological modernization should include a number of important programs aimed at the formation of sectoral programs for the formation of high-tech and new industries, the development of basic industries.

To achieve the above objectives, it is necessary to develop internal and mutually beneficial interregional cooperation. The second stage will focus on the analysis of the industrial complex and trends in the development of the region, as well as the formation of high-tech industrial products (Table No. 6).

Table No. 6

Directions of development of the industrial complex in the region

1st task	2nd task	3rd task	4th task	5th task
Development of knowledge-intensive production in the industrial enterprises of the region	Formation of high-potential employees	Increasing investment activity	Increasing the possibility of creating an innovative infrastructure	Formation and development of innovative regional industrial complexes
Directions of implementation				
1. Increasing the share of knowledge-intensive production in the structure of industrial products. 2. Increasing opportunities for the development of the high-tech industry. 3. Introduction of incentives from the state to various areas of high-tech industries.	1. Analysis of the potential of employees. 2. Organization of corporate universities. 3. Introduction of an innovative system of professional development to improve the quality and qualifications of personnel at the regional level	1. Study and assessment of the investment state in the region. 2. Development of a map to analyze the distribution of investments in the region between regions. 3. Development of a mechanism for attracting investment in innovative industrial enterprises	1. Increasing the possibility of technological modernization of enterprises. 2. State support for high-tech industries. 3. Implementation of targeted financing. 4. Increasing the possibility of high-quality formation of innovation infrastructure	1. Creation of a cluster development center. 2. Creation of various supporting funds. 3. Creation of innovative parks. 4. Establishing an effective exchange of high-tech equipment from the regional point of view.

CONCLUSIONS

These proposals will contribute to the development of industrial production, stimulate the production of innovative industrial products in the region and ensure the development of high-tech industries, as well as to a scientific and technological development (*Romanova O.A., 2018: 806-819*).

This imposes the responsibility on the region to accomplish several tasks. Clearly defined directions for the development of the industrial complex in the region must be pursued not only in cities specializing in industry, but also in areas specializing in agriculture,

including Yangiyul, Angren, Bekabad, Buka, Ahangaran, Akkurgan, Parkent, Pskent, Chinaz, Kuyichirchik, Kibray, Yukorichirchik, Yangiyul districts.

For the organization of a new knowledge-intensive production, considering the introduction of modern science achievements in industrial sectors, we propose to implement the following measures:

- it is necessary to improve the system of supporting an innovation activity. Additionally, the latest resolutions on measures for the development of the region in 2020-2022 provide for the development of important regions in industrial production (Almalyk and Angren cities, Chirchik, Ahangaran, Zangiata districts). Nevertheless, this may further increase the existing gap between the districts and cities of the region;

- organization of a marketing structure that functions effectively, taking into account all factors that form the demand for innovative products of the region;

- in-depth analysis of currently existing barriers, ways to overcome them and measures preventing the penetration of private investment in high-tech industries;

- strengthening intersectoral relations between industrial enterprises, higher educational institutions and research institutes as the main participants of innovative processes in the economy, carrying out modernization, development of cooperation in the education system regarding the industry;

- to accelerate technological cooperation in industry at the international level as well as, in addition, to create an appropriate database as a new form of knowledge exchange and R&D results;

- increasing the mobility of classified labor resources in R&D and industrial innovation sectors, ensuring continuous education for people employed in the economy, as well as attracting young people to engineering and technical specialties by creating new training places in higher education institutions under contracts with relevant industries and future jobs after training;

- introduction of reporting on "Innovation activity" for all industrial enterprises;

- the implementation of technological renewal of production is not due to the import of technologies, but due to domestic processing;

- also, to establish Association of business incubators and technology parks in Uzbekistan.

The conclusion is that the purpose of industrial development in the region is to create a set of measures for the development of high-tech industries in order to increase the share of industry in the structure of the gross regional product, thereby increasing the welfare of the population.

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