

Development of Industrial Production in the Republic of Tatarstan by Creation of Industrial Parks and Sites

Desarrollo de la producción industrial en la República de Tartaristán mediante la creación de parques y emplazamientos industriales

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Abstract

The relevance of the article is due to the increased interest of the state and investors in such an element of the economy as industrial parks and sites. Every year the development of industrial parks and sites shows a positive and planned growth. The aim of the research is to identify the dependence of the development of industrial production of the region on the number and quality of industrial parks and sites located on the territory of the Republic of Tatarstan. Within the stated purpose of the study, the general scientific method of research was used in comparative, logical and statistical analysis, as well as in the analysis of structure and dynamics, graphic interpretation of information, methods of financial analysis. This article deals with the mechanism for the development of industrial production necessary for the progressive functioning of any region. Special attention is paid to the development of industrial production in the Republic of Tatarstan.

Keywords: industrial production, entrepreneurship support infrastructure, industrial site, industrial park, government support, investment, communications.

Resumen

La relevancia del artículo se debe al creciente interés del Estado y los inversores en un elemento de la economía como los parques y sitios industriales. Cada año, el desarrollo de parques y emplazamientos industriales muestra un crecimiento positivo y planificado. El objetivo de la investigación es identificar la dependencia del desarrollo de la producción industrial de la región en el número y la calidad de los parques industriales y los sitios ubicados en el territorio de la República de Tartaristán. Dentro del propósito declarado del estudio, se utilizó el método



científico general de investigación en análisis comparativo, lógico y estadístico, así como en el análisis de estructura y dinámica, interpretación gráfica de información, métodos de análisis financiero. Este artículo trata sobre el mecanismo para el desarrollo de la producción industrial necesario para el funcionamiento progresivo de cualquier región. Se presta especial atención al desarrollo de la producción industrial en la República de Tartaristán.

Palabras clave: producción industrial, infraestructura de apoyo al emprendimiento, sitio industrial, parque industrial, apoyo gubernamental, inversión, comunicaciones.

Introduction

Nowadays all conditions for the development of the industrial sector of the economy have been created in Tatarstan: a large number of successful industrial sites and parks, and various state programs and subsidies. The development of this sector contributes to the improvement of innovative development of the region, the creation of additional jobs, the increase of tax revenues in the budgets of all levels, the attraction of additional investments and the increase of investment attractiveness of the region. This article deals with infrastructure for supporting entrepreneurship in the territory of the Republic. The efficiency of industrial sites and parks was also evaluated, and an analysis was made of the dependence of the volume of goods shipped (work, services) on the total volume of goods shipped by residents of industrial parks and sites in Tatarstan. The role of the state in the development of the support infrastructure institution was further described, federal projects included in the national project «Small and medium-sized entrepreneurship and support of individual entrepreneurial initiative» were considered and its performance indicators.

The exploration of industrial parks to improve the region's economic potential is gaining popularity among researchers. Among the authors considering this problem in their works: Borovsky O.N. (2019), Fedulova E.A., Meteleva M.A. (2016), Rybkin A.S., Juha V.M., Schetinina T.S., Kuznetsova A.N., Dmitrieva O.A. Musinu S.Z., Krivorotova V.V. (2014), Kalinina A.V., Tikhanova E.A., Erypalova S.E., Gayvoronskaya M.A., Burtseva T.A. Mironov D. S (2018) and others.

Methods

Within the stated purpose of the study, the general scientific method of research was used in comparative, logical and statistical analysis, as well as in the analysis of structure and dynamics, graphic interpretation of information, methods of financial analysis

Results and Discussion

The Republic of Tatarstan is one of the leaders in the number of efficient facilities for supporting entrepreneurship and actively participates in the implementation of measures for their support.

In 2007, on the territory of the Republic of Tatarstan, the first industrial park was established - Kamsk industrial park «Master».

In order to further ensure that small and medium-sized enterprises have access to production areas and premises from 2007 to 2019. 6.4 billion rubles were allocated for the construction and development of industrial parks and industrial sites, including 3.7 billion rubles from the federal budget and 2.7 billion rubles from the budget of the Republic of Tatarstan. Eighteen large industrial parks were established (renovated) under this funding.

At present, there are 100 infrastructure facilities (80 industrial sites and 20 industrial parks), in which 1484 residents operate, and 30,458 jobs have been created.

The Ministry of Economy of the Republic of Tatarstan conducts quarterly monitoring of industrial parks and sites, and the number of such parks is growing rapidly. At the beginning of 2019 there were 85 of them, and today there are already 100 infrastructure facilities (growth 118%) in 40 municipalities of the Republic of Tatarstan.

Every year Ministry of Economy of the Republic of Tatarstan evaluates the efficiency of an industrial park or industrial site.

That the results for 2019 show a positive growth rate for all indicators, with the number of residents increasing by 61 units (growth 104%) and the number of jobs created by 3,893 units (growth 115%) compared to 2018. At the end of 2019, the volume of goods shipped amounted to 204.2 billion rubles (growth 144%), and the volume of tax contributions reached the figure of 29.9 billion rubles (growth 221%).



Information on the results of 2018-2019 was provided by the Tatarstan Committee on socio-economic monitoring and the Russian Federal Tax Service Office for the Republic of Tatarstan.

With regard to the creation and development of parks, it is worth noting the importance of state participation in the development of this institution.

On 24 December 2018, the Council of the President of the Russian Federation on strategic development and national projects approved the passport of the national project «Small and medium-sized entrepreneurship and support of individual entrepreneurial initiative» (Figure 1).

The passport of the national project was developed by the Ministry of Economic Development of Russia pursuant to the Decree of the President of the Russian Federation of 7 May 2018 № 204 «On national goals and strategic tasks of the development of the Russian Federation for the period up to 2024» and includes five federal projects: «Improving the business environment», «Improving the access of SME entities to financial resources, including concessional financing», «Acceleration of small and medium-sized enterprises», «Creation of a support system for farmers and development of rural cooperation» and «Popularization of entrepreneurship».

In 2019 on the national project «Small and Medium-Sized Enterprises and Support for Individual Entrepreneurial Initiative» within the framework of the federal project «Acceleration of small and medium-sized enterprises» for the realization of the activity «Provision of preferential access of small and medium-sized enterprises to production premises and premises for the creation (development) of production and innovative companies» The Republic of Tatarstan has attracted financing in the amount of 791,7 million rubles for realization of three projects (Industrial (technical) park «Saba», industrial (technical) park «Tulyachi» and industrial (technical) park on territory of Technopolis «Himgrad»). Taking into account the budget of the Republic of Tatarstan, 977.5 million rubles were sent for the event.

Analysing the volume of funds raised, we can say with confidence that the Republic of Tatarstan is taking the leading positions on the ability to communicate with the federal authorities in attracting investment to the republic.

Thanks to the competence developed in the sphere of communications, the Republic is able to be the focus of attention at all times and thus attract new projects and investors. To date, the construction of

2 parks (IP «Saba» and IP «Tulyachi») has been completed, as well as the implementation of a two-year project (IP on the territory of Technopolis «Himgrad»).

But an equally important component of these projects is the target, which until the end of the national project on an annual basis falls on the shoulders of the parks - private investment. Not counting the budget investments, the parks that received the budget for infrastructure development need to reach the target of 800 million rubles of private investment only for 2019. At present, the country's parks exceed this figure - the total amount of investment in fixed capital amounted to more than 1 billion rubles, that is, the plan for 2019 was executed by 125%.

Based on the above, we can say that we agree in part with the opinion of the candidate of economic sciences, leading scientific staff of the Center of social and economic development Institutes of the Federal state budget institution of the institute of economics of the Russian Academy of Sciences Ivanova L.N., which in its article «Russian industrial parks as natural institutions of development» says the following.

The Industrial Park has significant strengths and lacks many of the weaknesses of other development institutions. First of all - which is especially important for Russia - private capital is actively involved in the creation of industrial parks. Moreover, it is private capital that often initiates the creation of industrial parks, thereby reducing the budgetary risks associated with State support of the real sector (Ivanova, 2019).

Thus, the State, as the initiator of industrial parks, can and should effectively motivate and show business interest in an institution for which the State has a perspective.

Also within the framework of the national project «Small and medium entrepreneurship and support of individual entrepreneurial initiative» the Ministry of Economy of the Republic of Tatarstan has launched a new information portal on support measures «Fastrek.Rf», which includes a section «Industrial parks». The section contains information on vacant land and premises, communications (capacity, cost), services provided by the management company, rental costs, the location of the industrial park, etc. This section of the portal has been developed in order to ensure a positive dynamic of the occupancy rate of industrial park.

Infrastructure development has a direct impact on the well-being of the region. The establishment of



industrial parks and platforms is an effective mechanism for the development of productive, including high-tech, business. These include the creation and modernization of jobs, the development in rural areas of alternative forms of employment for small businesses, social and engineering infrastructure, the creation of incentives for work and the recruitment of skilled workers in this field.

According to the updated rating of investment attractiveness of SEZ and industrial parks of Russia in 2019, published by the national magazine EXPERT, the parks of the Republic of Tatarstan occupy 1, 2 and 4 places (Rating of investment attractiveness of industrial parks and SEZ - magazine Expert).

In total, 77 parks of the Russian Federation were included in the rating. The calculation methodology consists of estimation according to 6 main indicators: services and management, location, cost

of resources, benefits, work with residents and indicators of the location region.

Olga Nikolayevna Borovsky says in his article about the development of industrial production in the territory of the Republic of Tatarstan through the mechanism of creation of industrial parks and sites «Industrial parks as a mechanism of increasing the investment attractiveness of the region (on the example of the Republic of Tatarstan)» affects an important component of industrial production – investment (Borovsky, 2019).

Moreover, it is worth mentioning that the Association of Industrial Parks of Russia is a Russian industry-wide non-profit organization, uniting most industrial parks and SEZ of the country since 2010, as well as suppliers of industrial construction services in order to promote common interests and attract investors, the Republic’s leading position in terms of investment in the infrastructure of industrial parks is noted in its annual report (Figure 1).

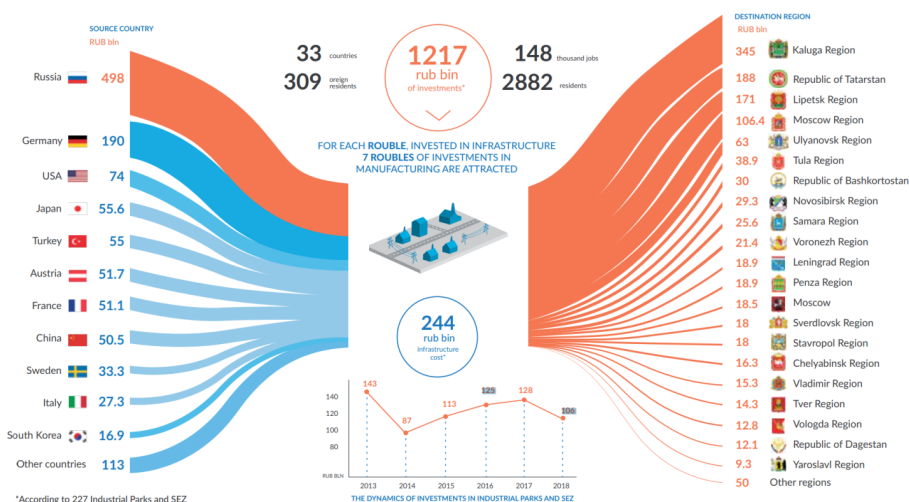


Figure 1. The position of the Republic of Tatarstan regarding investment in the infrastructure of industrial parks

According to the Association of Industrial Parks, over the period from 1998 to 2018, more than 1217 billion rubles were invested in the territory of these sites in the creation of new production facilities.

The largest amount of investments - 498 billion rubles - in the creation of factories is invested by Russian companies. Other leading investors are foreign companies from Germany, the US, Japan, and Turkey. Investment in production has been positive since 2014.

The volume of investments in 2018 amounted to 106 billion rubles. 96% of all investments in production were invested in 21 regions of Russia. Seventy per cent of all investments were made in industrial parks in Kaluga oblast, the Republic of Tatarstan, Lipetsk, Moscow and Ulyanovsk oblasts. The key indicator of the efficiency of industrial parks and Industrial Special Economic Zone in 2018 was 1 to 8: on average 8 rubles of investment in the creation of production was attracted for 1 ruble of investment in infrastructure. Once again, the Republic of Tatarstan occupies the leading positions in the sphere of communications with investors, which is confirmed by the volumes of funds involved (Review of industrial parks in Russia 2019).

In order to confirm the growth of industrial production in the territory of the Republic of Tatarstan through the mechanism of creation of industrial parks and sites, I conducted an analysis of the dependence of the volume of



goods shipped (work, services) in the Republic of Tatarstan from the total volume of goods shipped by residents of industrial parks and sites of the Republic of Tatarstan. The results of the analysis are presented in Table 1.

Table 1. Analysis of the volume of goods shipped

Name of indicator	2018 г.	2019 г.	Growth rate, %
The volume of shipped products (works, services) in the Republic of Tatarstan, in billion rubles.	2817,9	2876,9	102
Number of parks and sites in the Republic of Tatarstan	85	100	118
The total volume of products shipped by residents of industrial parks and sites of the Republic of Tatarstan, billion rubles.	142,2	204,2	144
The share of the total volume of shipped products by residents of industrial parks and industrial sites in the volume of shipped products (works, services) in the Republic of Tatarstan	5,0	7,1	141

Table 2 shows that, due to the development of industrial parks, the volume of production on the territories of these objects is also increasing, which in turn gives a positive increase in the total volume of goods shipped to the Republic of Tatarstan.

In 2018, residents of 85 industrial parks and sites shipped products worth 142 billion rubles, and in 2019 residents of 100 industrial parks and sites generated 204.2 billion rubles.

Thus, the increase of the total number of parks by 18% (from 85 units up to 100 units) increased the total volume of goods shipped by residents of industrial parks and squares of the Republic of Tatarstan by 44% (from 142.2 bln rub. - 204.2 bln rub.).

Data for calculation of volume of shipped products (works, services) in the Republic of Tatarstan, as well as total volume of shipped products by residents of industrial parks and sites of the Republic of Tatarstan were taken from the official site of the state accounting system «Reports of departments» information portal «Open Tatarstan» (The results of the socio-economic development of the Republic of Tatarstan according to the open data of Tatarstan).

Summary

Thus, after calculating the dependence of the region's industrial production on the output of the region's industrial parks, a positive relationship can be observed. This, in turn, suggests that if a state raises funds for infrastructure, to attract private investment in the expansion of these facilities and to facilitate the localization of enterprises in industrial parks, the level of industrial production will increase, and with it both tax contributions and the economy of the region will increase. Elena

Vasilyevna Kamko also reached this conclusion in her article «Industrial Parks of Russia: institutional analysis» In which she stressed that the presence of a large number of private industrial parks is a signal to the well-defined way of formation of this market (Kamko, 2014; Izytova, 2017; Khairutdinov et al., 2018).

Conclusions

To sum up, it can be said that the development of industrial production in the territory of the Republic of Tatarstan through the mechanism of creation of industrial parks and sites is undoubtedly an effective mechanism, as it produces the following positive effects:

- Shortening the time from the beginning of investment to the moment of production;
- Creation of additional high-productivity jobs;
- Improving the innovative development of the region by attracting modern high-tech production to industrial parks;
- Attract additional investment and increase the investment attractiveness of the region;
- The participation of the State in the financing of industrial parks and the projects they carry out will make it possible to improve their economic performance;
- The increase in tax revenue to the budget.

A similar conclusion was reached by Kogteva Anna Nikolayevna, Candidate of Economic Sciences, FGAOU VO «Belgorod state national research university» in his article «Industrial parks as a method of increasing the investment attractiveness of the region» Belgorod Oblast (Koheteva, 2020).

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