

# IMPROVEMENT OF THE CONSTRUCTION SYSTEM IN THE CONDITIONS OF THE DIGITAL ECONOMY

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**Keywords:** construction industry, enterprises, digital economy, management performance evaluation.

**Abstract:** In this article, the application of the digital economy in the construction industry accelerates the work process and eases the construction system through an electronic system. Recommendations for the improvement of the rental system and the development of a transparent construction system were discussed.

## 1 INTRODUCTION

Digital technologies began to develop with the advent of computers. Computing systems, having reached a high level of their functional development, began to be used in other industries. Their noticeable use was in accounting and economic calculations. In technology, computers have found their place in the calculations of structures, technologies, and automation of production processes.

В строительстве вычислительная техника и цифровые технологии внедрялись там, где были большие объемы вычислений, в первую очередь в экономических расчетах.

The service economy and the tourism sector are one of the most promising types of economic activity. In developed countries, the service economy is becoming increasingly important, the volume of production of services and income from them is increasing. According to the classification of the World Trade Organization, the service economy includes more than 150 different services. These include business services, communication services, financial services, educational services, tourism and related services, transportation services,

transportation and recreation, and cultural and sports activities.

It can be seen that currently the service sector is the main type of economic activity. Almost everyone uses one or the other service. The digital economy requires, first of all, the creation of broadband Internet ports and the laying of optical fiber Internet lines. Taking into account these problems and creating favorable conditions for the development of e-commerce in the country is now urgent. In recent years, the concept of digital economy has appeared in the theory and practice of the economy of many countries. It is characterized by the rapid development of digital technologies, the revolution in the information sector and the acceleration of the processes of globalization of the economy

The Decree No. PD-6079 of the President of the Republic of Uzbekistan dated October 5, 2020 "On the approval of the strategy of "Digital Uzbekistan - 2030" and measures for its effective implementation" refers to the development of the digital economy, the improvement of digital technologies in all areas and sectors

tasks on application of issues, elimination of problems in the field are presented. Among them, the following tasks can be mentioned:

- to ensure the full implementation of projects and measures provided for in the strategies, programs for the digital transformation of regions and sectors, "roadmaps" by state bodies and organizations, local executive authorities, as well as their systematic control of timely execution;
- listening to the monthly reports of the heads of state bodies and organizations on the implementation of planned projects and measures for the development of the digital economy and electronic government, as well as considering the issue of their responsibility;
- on the basis of constant monitoring, to further improve the provision of electronic state services, to take measures to optimize functional processes and procedures in the activities of state bodies and organizations;
- considering new projects in the field of digital economy and making decisions on their implementation, as well as, if necessary, making changes to digital transformation programs and "roadmaps" of regions and industries based on prepared and agreed project documents and additions can be made and so on.

On the basis of this decree, it is possible to mention a number of works on the development of the construction industry, especially rental construction, the development of measures for the automation of the industry, and the updating of existing digital technologies and platforms in the industry.

## **2. RESEARCH MATERIALS AND METHODS**

Comprehensive measures are being implemented in our country for the active development of the digital economy, the widespread introduction of modern information and communication technologies in all sectors and areas, first of all, in public administration, education, construction, health care and agriculture.

Construction industry in today's digital economy

It is desirable to improve the management efficiency evaluation methodology in enterprises, to develop management efficiency evaluation criteria in the construction industry and to increase its capabilities. In this regard, based on the Resolution of the President of the Republic of Uzbekistan dated February 21, 2022 "On additional measures to support housing construction and construction materials industry" PQ-139, housing construction The tasks and assignments related to the development of networks, the introduction of digital technologies to the field, the construction of smart houses, and the improvement of the building materials industry have been determined, which further increases the work that needs to be done in this field. In addition, the introduction of digital technologies in the field to a new stage will also make it possible to increase the efficiency of management processes in the construction sector.

In the construction industry, the end of the tender (tender) sales held in the national information system "Transparent Construction", as well as direct negotiations with the customer in accordance with the legislation, design-search and construction-contracting organizations Agreements on the development of project-estimate documents and the execution of contract works between the parties must be signed in this system with an electronic digital signature and sent electronically to the State Finance Management Information System of the Ministry of Finance for registration or accounting. Each object included in the approved address lists should be included in the "Transparent construction" national information system with an identification number, and any changes or additions to them can be reflected in this information system.

Regardless of the risk category, it is ensured that all objects are registered and controlled by the competent authority before the start of construction and assembly work.

Construction is a high investment industry with a long production cycle. The volume of construction directly reflects the dynamics of socio-economic development of the region and the entire country.

The construction industry is the most important strategic direction of the socio-economic development of our country and makes up about 6% of the country's gross domestic product. Industry has all the potential to become one of the main means for the growth of the Russian economy.

Economic tension has had a negative impact on the construction industry, primarily due to a sharp decrease in the number of orders received by construction companies.

When studying trends in the construction market, QMRA (Construction Industry Rating Agency) accurately calculates the index of competitiveness of the construction industry, which shows the dynamics of changes in construction in a certain region.

The main directions of the strategy are as follows:

- ✓ development of regions in terms of urban planning and in this context ensuring effective public participation;
- ✓ increase the quality and safety of urban planning activities;
- ✓ the effectiveness of administrative procedures in the field of urban planning, ensuring reasonableness and transparency, as well as increasing the efficiency of the activities of construction network organizations;
- ✓ digitalization of urban development activities, introduction of modern information and communication technologies to the network;
- ✓ training, retraining and upgrading of personnel in the field of urban development, development of scientific potential;

### **3. RESEARCH RESULT**

Based on the results of the research, it should be noted that until the end of 2022, high volumes of construction work were recorded in the regions, in particular, in the city of Tashkent, Tashkent region and Samarkand region. That is, 25598.2 billion in Tashkent city. soums, 9323.1 billion in Tashkent region. 7036, 7 billion soums. Construction works amounting to soums were recorded.

The construction industry is one of the industries that has been contributing to the stable growth of the national economy of our country. The indicators of construction work by types of economic

activity showed that: buildings and constructions construction direction accounted for 67.9 percent, and the growth rate decreased by 103.0 percent compared to the corresponding period of 2021; the direction of construction of civilian objects made up 21.5 percent of the share, and the growth rate reached 106.0 percent; the direction of specialized construction works accounted for 10.6 percent share and 127.1 percent growth rate.

Most of the completed construction works relate to the construction of new buildings and structures. 68.6% of the total construction works or 71,729.7 bln. Soum construction works are aimed at creating new production facilities, housing and other social facilities in the economy.

### **4. CONCLUSION**

As a conclusion, it can be said that based on the results of the analysis, it is desirable to further develop the industry, especially to bring the industry to a new market stage based on the widespread promotion of digital technologies.

Based on the above conclusion, the following proposals and recommendations were developed:

- transparency of issues of development of the industry based on digital technologies;
- on the basis of continuing the smart city project, create a smart neighborhood, smart people;
- implementation of digital technologies in smart cities;
- security system based on the use of digital technologies strengthening;
- reduction of production and construction costs based on the introduction of digital technologies, etc.

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