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ЗНАЧЕНИЕ ЗЕЛЕННОЙ ЭКОНОМИКИ В РАЗВИТИИ ПРОМЫШЛЕННОСТИ УЗБЕКИСТАНА: ПЕРСПЕКТИВНЫЙ АНАЛИЗ

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THE IMPORTANCE OF GREEN ECONOMY IN THE DEVELOPMENT OF UZBEKISTAN'S INDUSTRY: A PROSPECTIVE ANALYSIS

Аннотация

В статье рассматривается роль зеленой экономики в развитии промышленного сектора Узбекистана. Проанализированы современные тенденции внедрения экологически чистых технологий и принципы устойчивого производства, которые способствуют снижению негативного воздействия на окружающую среду. Определены ключевые перспективы развития промышленных отраслей, учитывающие экологические стандарты, энергоэффективность и рациональное использование природных ресурсов. Рассмотрены механизмы государственной поддержки и цифровизации зеленой экономики, а также предложены рекомендации по внедрению инновационных решений для развития устойчивой промышленности.

Abstract

The article examines the role of green economy in the development of the industrial sector of Uzbekistan. Modern trends in the introduction of environmentally friendly technologies and principles of sustainable production, which help reduce the negative impact on the environment, are analyzed. Key prospects for the development of industrial sectors are identified, taking into account environmental standards, energy efficiency and rational use of natural resources. The mechanisms of state support and digitalization of the green economy are considered, and recommendations for the implementation of innovative solutions for the development of sustainable industry are proposed.

Ключевые слова. Зеленая экономика, промышленность Узбекистана, устойчивое развитие, экологические технологии, энергоэффективность, возобновляемые источники энергии, инновации, государственная поддержка, цифровизация.

Keywords. Green economy, industry of Uzbekistan, sustainable development, environmental technologies, energy efficiency, renewable energy sources, innovations, state support, digitalization.

Introduction. Industry plays an important role in the economic development of Uzbekistan. However, traditional production processes are often accompanied by high levels of pollution, high energy consumption and significant carbon emissions. In the context of global environmental challenges, the transition to a green economy is becoming not only a necessity, but also a strategic direction for the country's development. Green economy involves reducing harmful impacts on the environment, increasing energy efficiency and introducing renewable energy sources into the industrial sector. President of Uzbekistan Shavkat Mirziyoyev delivered a speech at the Legislative Chamber of the Oliy Majlis, emphasizing the importance of environmental protection and a green economy. Shavkat Mirziyoyev emphasized the importance of combating climate change and its devastating consequences for the environment and public health. This speech takes on special significance after COP29. At the COP29 Summit (the Conference of the Parties, which is the most important meeting on the international climate agenda), President Mirziyoyev called for global cooperation on climate change. On November 12, 2024, he described climate change as an urgent global threat, calling it a

major factor in geopolitical tensions and a direct challenge to sustainable development, writes Derya Soysal, an expert on Central Asia (Diplomatic Peace), an expert on environmental policy and international relations [1. C.1].

Relevance of the study. The development of a green economy is crucial for the sustainable growth of Uzbekistan's industry. In recent years, the country has been actively developing a legislative framework aimed at stimulating environmentally friendly production. The introduction of new technologies helps minimize the impact of industrial enterprises on the environment, while improving energy efficiency helps reduce costs and increase competitiveness. The green economy also plays an important role in attracting foreign investment, as environmental standards are becoming a key factor in choosing business partners.

The transition to a green economy plays a key role in the modernization of the industrial sector of Uzbekistan, reducing the negative impact on the environment and increasing the efficiency of resource use. In recent years, the country has been actively implementing initiatives aimed at developing environmentally friendly

technologies and optimizing energy consumption. According to the "Strategy for the Transition to a Green Economy for 2019-2030", by 2030 it is planned to reduce the energy intensity of the national economy by 20% compared to the 2022 level. In addition, it is envisaged to increase the share of renewable energy sources in the country's overall energy balance to 40%, which will reduce dependence on traditional energy resources.

In 2025, the government of Uzbekistan intends to attract \$42 billion in foreign investment, which will contribute to the implementation of 8 thousand projects worth \$14 billion and the creation of 272 thousand new jobs. Particular attention is paid to the modernization of industrial production, including the introduction of innovative methods for monitoring energy consumption and reducing the carbon footprint of enterprises.

In addition, the country is actively developing a system of green certificates confirming the environmental friendliness of the energy produced. More than 48 thousand certificates have already been sold in this area, which contributes to the formation of a sustainable market for environmentally friendly technologies.

Thus, the green economy is becoming an important element of industrial growth in Uzbekistan, stimulating sustainable development, attracting investment and increasing the competitiveness of domestic production in the international arena.

Research methods. The study is based on several methodological approaches:

- Analysis of regulatory documents - study of strategies and government programs for the development of a green economy in Uzbekistan.
- Statistical analysis - assessment of current energy efficiency indicators and the introduction of environmental technologies in industry.
- Comparative analysis of international experience - study of successful practices in the development of green industry in other countries.
- Expert interviews - collection of opinions of specialists, entrepreneurs and representatives of government agencies on the introduction of environmentally friendly technologies.

Recommendations. For the active implementation of the green economy in the industry of Uzbekistan, it is necessary to:

1. Develop environmental standards for the industrial sector that ensure control over emissions, resource consumption and energy conservation.

2. Create financial mechanisms to support enterprises implementing environmentally friendly technologies, including tax incentives and subsidies.

3. Expand digital solutions aimed at monitoring emissions, resource management and the development of renewable energy sources.
4. Implementation of educational initiatives that provide training for specialists in the field of green industry.

5. Stimulation of international cooperation, attraction of investors and exchange of best practices with foreign countries.

To summarize the above, we can draw the following conclusion that the development of a green economy is a strategically important area of industrial growth in Uzbekistan. Integration of environmentally friendly technologies, optimization of the use of natural resources and improvement of energy efficiency will create a sustainable industry that meets the requirements of the global market. State support, investments and innovative approaches will form the basis for long-term development that ensures environmental safety, economic growth and improvement of the quality of life of the population.

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