

Development of Innovative Activities of Enterprises of the Mining Industry

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Abstract:

The priority task of industrial enterprises is to adapt to the rapidly changing economic and political situation. Sustainable economic growth, the growth of regional gross product can only achieve achievements on an innovative basis, actively using modern scientific and technical means, and the formation and implementation of their own innovative potential enterprises. This problem is especially relevant for mining enterprises. The process of launching innovations is possible if the current achievements of innovations exceed its cost and the implementation allows you to reduce uncertainty in the process of the enterprise's activities.

Keywords: Innovative processes, technology, organization, ecology, research, evaluation methodology.

Introduction

The modern mining industry is facing challenges when it comes to increasing productivity, ensuring safety, and optimizing production processes. To successfully address these challenges, mining businesses need innovative approaches that allow them to achieve maximum efficiency and minimize risk. One of the key aspects is to ensure the reliability of network and communications in underground mining conditions. Modern mining operations require access to real-time data and making the right decisions based on large amounts of data. Their significant impact on the development of innovative activities of mining enterprises in the economic infrastructure of developed and developing countries of the world is considered to be of high importance in strengthening continuous strategic measures to ensure competitiveness. Worldwide, the number of employed workers in this sector covers more than 520 million people among Asian countries, accounting for 1.2% of the world's population.

The analysis of the current state of mining enterprises of our country shows that despite undoubtedly successes their further activities and development face a number of objective difficulties. 8.1% of innovative developments in the innovation market are related to the development of technologies aimed at mining, which recommends the implementation of goals and visions in the development of such important aspects as innovation, human capital, environmental safety². In this regard, the improvement of the mechanisms for the development of innovative activity, provided for in this research work, increases the relevance of the topic and substantiates the scientific and practical necessity of the implementation of scientific research works in its structure.

Innovation in mining industry through automation meant continuous success and taking the enterprises to the new economic ladder. With the evolution of innovation activity in the mining industry, it is one of the largest sectors with the largest innovation activity.

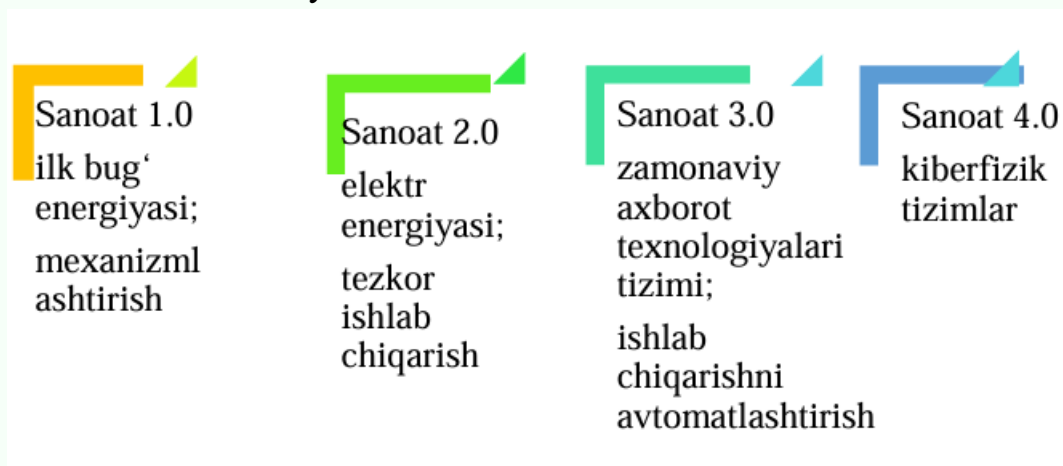


Fig.1. Evolution of innovative activities in the mining industry¹

Improvement of mechanisms for the development of innovative activities of mining enterprises in the context of the development of the country's economy on the basis of digital technologies, the growth of human capital, the growth of the lifestyle of the population, the provision of environmental safety and environmental protection, as well as scientific creativity, a significant increase in innovation potential The national project "Green Space" is also bearing fruit in the sixth priority of 2023 "Further improvement of conditions for increasing

[¹] Blommarth T, Brook S, Coltof E. The Fourth Industrial Revolution and Business. How to Compete and develop in the era of singularity. Alpina Publisher, 2019, 204 pages



domestic and foreign private investment in the economy". 3 In particular, with the aim that large-scale programs in the field of metallurgy will increase copper 3 times and gold up to 150 tons per year in five years, the commissioning of the 4 million tons of gold ore processing complex of Navoi Mining and Metallurgical Plant means further improvement of mechanisms for the development of innovative activities of mining industry enterprises.

The role of the mechanisms in the development of innovative activities of mining industry enterprises is formed taking into account the strategic vision and the coherence of plans. This is the nanoeconomic vision, which is now gaining popularity in world experience, in which digital technologies include not only economic stability, but also development in the social, environmental and educational spheres.

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