

NEW TECHNOLOGIES AS A FACTOR CHANGING THE INDUSTRY

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Annotation

In the article, the author discusses the obstacles faced by industrial enterprises in Uzbekistan in the development of technology transfer. He emphasizes the importance of state support, education and cooperation between universities and business. The article is intended for experts in the field of innovation, economics and management, as well as for government agencies seeking to improve conditions for successful technology transfer.

Keywords: technology transfer, Organization, Innovation, information, experts, barriers, rules, mechanisms, information, IT companies

Relevance of the topic

New technologies and innovations really play a key role in the development of society. Technology transfer allows the dissemination of knowledge and the transfer of best practices between countries, companies and industries. New ideas and technologies truly permeate society, transforming it through the power of innovation. Technology transfer is the main mechanism that enables the exchange of knowledge and experience between countries, companies and industries. This serves the development and improvement of people's lives.

Technology transfer is the process of transferring knowledge, know-how and innovation between different organizations, countries or industries. Here are some additional aspects:

1. Types of technology transfer:

- a) one-level transfer: between organizations in the same field.
- b) top-down and bottom-up transfer: between different levels of organizations (for example, universities and industrial enterprises).
- s) International transfer: Between countries.



2. Transfer tools:

- a) Licensing: transferring the right to use patents, trademarks and technologies.
- b) Franchising: business model and know-how transfer.
- s) Collaborative research and development: collaboration between organizations to create new technologies.

3. Advantages of technology transfer:

- a) Economic growth: stimulates innovation and development.
- b) Increasing competitiveness: allows organizations to use best practices.
- s) Solving global problems: For example, in the field of health and ecology.

Some obstacles may appear in the development of technology transfer in the industrial enterprises of Uzbekistan. Trade secret information may be leaked. When businesses transfer technology, there is a risk of leakage of business information or intellectual property. Lack of necessary competencies. A lack of skilled professionals and experts with knowledge of advanced technologies can make effective transfer difficult.

There are also difficulties in organizing cooperation. The interaction between universities, industry and government can be complex. It is required to create effective mechanisms of transfer of successful technologies.

Considering these factors, it is important to develop systems that help overcome barriers and facilitate successful technology transfer in Uzbekistan.

The following measures can be taken to remove obstacles to the development of the technology sector in Uzbekistan:

- 1. Regulation and clarity:** Create clear rules that outline the rules and procedures for technology transition.
- 2. Data security and privacy:** developing mechanisms to ensure data security and protect confidential information.
- 3. Compliance with international standards:** strengthening the compliance of Uzbekistan's technologies with international standards and requirements.

4. Education and personnel training: developing educational programs and improving the skills of specialists in the field of technology.

5. Integration and interaction: Encourage interaction between universities, enterprises and the state for successful technology transfer.

Taking into account these measures, Uzbekistan will be able to overcome obstacles and move forward in the development of the technology sector.

Uzbekistan is actively developing the field of information technologies and is striving to become a regional IT hub. Here are some successful practices that can be applied to Uzbekistan:

1. Development of innovative infrastructure: Continue to improve infrastructure, including the development of data centers, the expansion of fiber optic communication lines and the creation of an environment for software development.

2. Involvement of foreign companies: continue to attract foreign IT companies and experts to strengthen the exchange of knowledge and experience.

3. Electronic government: Simplifying procedures for citizens and increasing the transparency of the activities of state bodies, continuing the development of electronic government.

4. Educate and support youth: Invest in IT education and training to develop local talent and professionals.

5. Cooperation with international organizations: Continue cooperation with international organizations for support and exchange of experience.

Taking into account these practices, Uzbekistan can continue to develop the technology sector and become a successful player in the global IT industry.

In order to successfully develop the IT sector in Uzbekistan, it is necessary to strengthen certain directions. It is necessary to create and develop innovative ecosystems, including cooperation between universities, research institutes, enterprises and the state. Invest in education and training of IT professionals to develop local talent and expertise. By creating infrastructure, it is desirable to



develop infrastructure for data centers, fiber optic communication lines and software development.

It is recommended to identify priorities in this field (Smart Specialization Strategies) and allocate funds for research and innovation in these fields. Cooperation with international organizations, exchange of experience and successful transfer of technology should be created.

Taking into account these aspects, Uzbekistan can move forward in the development of the IT sector and become a successful player in the world industry.

In conclusion, it can be said that the development of technology transfer in industrial enterprises plays an important role in the economic development of Uzbekistan. Active efforts are being made in the country for innovative development, investment attraction, development of information and communication technologies and education of young people in the field of IT. This will allow Uzbekistan to strengthen its position on the world scale and become a major participant in the field of technology.

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