



KEY TRENDS IN GLOBAL DIGITAL ECONOMY DEVELOPMENT

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Introduction

In the modern world, we frequently come across the situation when financiers invest heavily in information technologies (hereafter IT) and web projects. This has led to **IT industry development** that gave rise to an independent economic subsystem, the so-called **digital economy**.

What is the digital economy? Today, it implies not only developing and selling software, but also creating electronic goods and services produced by electronic business and e-commerce.

Discussion

Many experts believe that at least **ten high-tech companies** will have appeared **in Russia by 2024**. They will be **competitive in the global market** and use such **technologies** as *blockchain, big data, neural networks and artificial intelligence, quantum computing, new automated production technologies, Industrial Internet of Things, elements of robotics and sensors, wireless communication technologies, and virtual and augmented reality technologies.*

Dynamics of Total Revenue in IT-Companies



Advantages and Disadvantages of Digital Economy

Advantages:

- thanks to digitalization, businesses are **moving away from manual labor**, becoming more **independent of human factors**, and **optimizing production processes**
- **new vacancies** might occur, for instance, for machine maintainers
- it will be **easier to communicate with partners** (there will be fewer disagreements and paperwork errors)
- small businesses will benefit from using these technologies by **saving on employment costs**, having the ability to work from anywhere in the world and controlling everything via the phone
- IT have made it possible to **reduce costs and increase productivity and efficiency** in many sectors of the economy

Disadvantages:

- many employees become **jobless** as they are simply replaced by machines
- the **increased unemployment rate** might **hit the economy hard**
- there is a chance that it can be **easier to steal corporate information**, especially in a company's infancy, when the level of data protection is not adequate

Conclusion

Nowadays, digital technologies are irreversibly developing and becoming an indispensable part of our life. Much is being monitored by **artificial intelligence**. Despite all the pros and cons, one will eventually have to accept **digitalization** for the sake of **creating something new, perfect and necessary** for a person in the **modern world**.

