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ENGINEERING - COMPONENT OF PRODUCTIVE FORCES OF SOCIETY

Summary

The history of science and technology as a scientific discipline studying the development of the means of interaction of the society with the environment – the productive forces of society. Of particular importance are its methodological problems. One of them is the question of the essence of technology as a social phenomenon.

Technology along with science is an integral part of the productive forces of society. It determines the effectiveness of the interaction of society with the environment, ensuring its preservation and development. Although technology can not exist without information interaction with the environment and the exchange of information within a society that is now mainly provided by science, it has its own specific characteristics that determine the need to separate research.

Although in the form of elements of external material formations appear even in the animal world, the technique – purely social phenomenon, which arose as a means of reducing the entropy of the social organism. There is a technique at the same time as each other causing material formations and mental structures. The latter are formed

due to the cognitive (primarily research) activities. And special role played by technical sciences.

The composition is determined by the technology of man's social needs at different stages of development of society. The most important role is played by the means of production, impacting not only on the productive forces, but also on the relations of production in society. Technical devices are functioning as a part of certain communities – technocenosis.

The genesis of the technical devices is largely determined by the kind of technical genome, which is a technical device as its ideal model in the human mind, which can thus receive said intermediate outer realization as a technical document, whereby the device is created.

These and other specific features of art as a social phenomenon, making it independent subsystem of the social system, included in the productive forces of society.

Keywords: *history of science and technology, the productive forces, technology as a system.*