

# Resource-Saving Production Systems. Information Flow Management

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## key words

resource management, information flows, production system, functional modeling, production resources

The article is devoted to the urgent problem of resource conservation at Russian industrial enterprises, which today is the main factor in increasing the competitiveness of products. The purpose of the article is to develop a model for managing information flows in resource-saving production systems. In the article, I have used the methodology of functional modeling IDEFO to create a descriptive graphic model as the main research method. To achieve this goal, I have proposed a fundamental model of the production system based on the efficient use of resources. A model of the processes of information exchange in resource-saving production systems is constructed. It describes six functional modules and the material and information flows uniting them. The scientific contribution of the article lies in the definition and justification of the production system model elements, which are key in improving the resource efficiency of production.

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