
Logistic model of production management based on resource-saving and evaluation of its effectiveness

© I.N. Omelchenko, E.V. Eliseeva

Bauman Moscow State Technical University, Moscow, 105005, Russia

In this article the main problems of engineering production, justifying the high cost of production were explored. To reduce the cost and increase the competitiveness, modernization is needed, linked to the provision of both economic efficiency and the reduction of harmful emissions and the introduction of low-waste production. In the article there was analyzed the new concept of organization of production — the concept of sustainable development of resource-saving. Logistic model for production management based on sustainable development and resource-saving principles was developed, and the method of evaluation of its effectiveness was recommended.

Keywords: *Sustainable development, logistics, mathematical model, resource-saving, organization of production.*

Omelchenko I.N., Dr. Sci. (Eng.), Dr. Sci. (Econ.), Head of the Industrial Logistics Department, Dean of the Engineering Business and Management Faculty of Bauman Moscow State Technical University.

Eliseeva E.V., a post-graduate of the Industrial Logistics Department of Bauman Moscow State Technical University. e-mail: ibm3@ibm.bmstu.ru
