

Digital technology as a platform for the formation of an effective supply chain in the development of the resource base of the Arctic region

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Abstract

Subject/topic. This article is devoted to the study and generalization of the problematic aspects associated with the formation of the supply chain in the process of developing the Arctic resource base. **Goals/objectives.** The purpose of the article is to identify aspects of rational supply chain management (SCM) of oil and gas companies in the process of developing the Arctic resource base. The research **methodology** includes a set of empirical (observation, generalization, conclusion) and quantitative (statistical analysis, dynamic analysis) methods of studying the object. Based on a systematic research method, an information-analytical method, directions for improving supply chain management (SCM) for oil and gas companies in the development of the Arctic resource base have been developed and proposed. **Results.** Directions for improving supply chain management (SCM) for oil and gas companies were developed and proposed. The emphasis is on the study of practical experience in building a supply chain of Gazprom Neft in the Arctic region. The vertical integration of corporations is considered as the most promising direction of SCM organizational support, taking into account the specifics of the Arctic zone. **Conclusions.** The use of digital technologies in the process of forming the supply chain makes it possible to increase the efficiency of companies in the Russian Arctic: pilot tests have already allowed Gazprom Neft to reduce costs by 10% in accordance with the existing logistics strategy for year-round supplies of Arctic oil mixes.

Keywords: Arctic region, vertical integration, infrastructure, logistics, oil and gas companies, supply chain formation, SCM.

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