

ABSTRACTS

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ASSUMPTIONS OF TRUST IN LOGISTICS COOPERATION

(pages 1-4)

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Keywords: cooperation, outsourcing, supply chain, trust, reliance on partner of exchange, dependence on partner of exchange

Abstract: As a result of the need to shorten delivery time and meet customer expectations quickly the interest in supply chain cooperation, as well as the interest in cooperation with providers of specialized logistics service increased. Cooperation in the supply chain is usually of a long-term nature. Assuptions of cooperation with providers of complex logistics service also concern longer period of time. This increases the importance of trust, that the other party will work in the interest of cooperation even if the conditions in environment change and the agreement does not contain detailed provisions concerning such changes. The purpose of this article is to present determinants of trust in logistics cooperation, together with description of the role of trust in development and achievement of expected benefits in logistics cooperation.

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A UNIFIED MACHINE FOR TECHNOLOGICAL ELECTRIC TRANSPORT LADDER-BACKBONE LOAD-BEARING SYSTEM

(pages 5-8)

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Keywords: load-bearing system, ladder-backbone, technological electric transport, comparative analysis **Abstract:** Frequently in a process of developing new specialized models of wheeled vehicles, the task of integrating a multitude of design criteria for parts, assemblies and mechanisms arises. Using a comparative analysis of various design solutions allows to determine the most optimal options for their design. The authors compare two possible layout drawings of the UMTET load-bearing frame: a simple ladder frame and a combined ladder-backbone load-bearing system. Based on the presented design and layout and weight characteristics, as well as the results of the estimated numerical strength analysis, it is concluded that there are certain advantages of using a combined ladder-backbone frame for the UMTET design.



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LACK OF STOCKS RISK REDUCTION

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Keywords: costs, stocks, price, average, standard deviation

Abstract: Within the present market conditions, stock control is ranked among very complicated spheres. Stocks not only cover possible outages in deliveries but also mean cost burdens for the company. Lately, a number of companies makes effort to determine exactly the amount of the buffer stocks which can protect them against negative effects of the surrounding. Logical conceptions offer a possibility of the use of different instruments for the determination of the buffer stock. However, a number of them uses a complicated mathematical apparatus, which is unsuitable for the practical usage under the industrial conditions. This article deals with an analysis of the use of a simple operative instrument for the determination of the amount of the buffer stock. For the analytic part, data from selected industrial enterprises in the Czech Republic were used.

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DATA STRUCTURE OF INBOUND AND OUTBOUND MATERIAL FOR PLANNING AND LOGISTIC STREAMLINING IN COMPANIES

(pages 15-18)

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Keywords: data, structure, material, PFEP, inventory, calculation

Abstract: An accessible and streamlined data structure is a prerequisite for the proper and efficient operation of all activities related to each department in each company. In the case of production and logistics, it also fulfills the support function for planning changes or optimizing the current state in the light of easily and rapidly available data on materials found in the company. Such structured data is also referred to in the foreign literature by the abbreviation PFEP, which is the name of the Plan for each part, and in translation into Slovak, a plan for each part.



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SITUATION ON INTERMODAL TERMINALS IN THE SLOVAK **REPUBLIC**

(pages 19-23)

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Keywords: intermodal, terminal, transport, analysis, Slovakia

Abstract: The aim of the artical is to describe the current situation and the possibilities of development of intermodal transport in the Slovak Republic (SR) with the potential to link the Slovak Republic better to the inter-modal transport corridors in the countries of the European Community. The construction and operation of a publicly accessible network of intermodal terminals and the installation of non-discriminatory service providers are the main parts of the national development strategy, particularly in continental transport SR. The aim of this transport is to replace road freight transport with using environmentally acceptable rail and water transport together with flexible road transport. To meet this objective, it is necessary to build a comprehensive and progressive of network of public intermodal transport terminals in the places where the different types of transport systems come together.