ABSTRACTS

DOI: 10.22306/al.v3i3.62
Received: 27 July 2016
Accepted: 25 Aug. 2016

INVENTORY MANAGEMENT IN DYNAMIC CHANGES IN THE MARKET ENVIRONMENT

(pages 1-4)

Petr Besta
University of Entrepreneurship and Law, Michálkovická 1810, 710 00 Ostrava, Czech Republic, EU
petr.besta@vspp.cz
Vendula Fialová
VSB - Technical University of Ostrava, Ostrava, Czech Republic, EU,
vendula.fialova@vsb.cz
Martin Čech
VSB - Technical University of Ostrava, Ostrava, Czech Republic, EU,
martin.cech@vsb.cz

Keywords: logistics, market, stocks, risk, loss
Abstract: In the area of production planning and material resources, manufacturing companies often find themselves in difficult situations. On one hand, pulses in the form of market incentives difficult to estimate come to the enterprise, on the other hand, every production entity tries to plan all production processes as realistically as possible. Therefore, two systems that are diametrically opposed come into conflict. The fundamental problem often arises in the area of inventory management. The production tries to satisfy the highly stochastic demand to the maximum extent, but it tries to manage the resources it uses by deterministic methods. In inventory management, one of the key roles is played by the variability in their consumption. If the majority of planned production orders is based on orders, or if expected consumption can be predicted with high probability, a range of exact logistics tools can be applied in inventory management. With increasing degree of variability in consumption, combined with long delivery times, however, the information value of these methods is significantly reduced. This article analyses the use of the concept of safety stock as a tool for correction of strong changes in the current market environment.

DOI: 10.22306/al.v3i3.67
Received: 19 July 2016
Accepted: 25 Aug 2016

IMPROVING OF MATERIAL FLOW IN AUTOMOBILE ENTERPRISE

(pages 5-8)

Veronika Verebová
Technical university of Košice, Institute of Logistics, Park Komenského 14, 043 84 Košice, Slovakia
veronika.verebova@gmail.com

Keywords: material flow, logistics, information systems, simulation systems, system analysis
Abstract: Today's market puts more and more pressure on manufacturing companies. If the company wants to keep on market and to prosper, it is necessary to constantly innovation of the products, to better calculate the prices, to control costs, to be flexible in the relationship to the customer. Requirements on the logistics are constantly getting harder and more differentiated. Production companies are forced to tolerate piece production for the customer with rapid supplies. So that the production could be effectively implemented, it is necessary to constantly maintain inputs and outputs of material with customer requirements. The aim of logistics is to increase the efficiency of logistical processes, since only properly working logistical processes ensure the cost competitive and properly functioning society. Each of companies understands the logistics from different views. It depends on the specific company, field of activity and sector. For one of the companies it is a planning for another it is purchase and shipping, or handling with materials in the production.

ABSTRACTS

DOI: 10.22306/al.v3i3.68
Received: 20 July 2016
Accepted: 27 Aug 2016

INFORMATION LOGISTICS AS MEAN OF SECURITY OF COMPETETIVENESS OF COMPANIES

(pages 9-13)

Daniela Pristačová
Technical university of Košice, Institute of Logistics, Park Komenského 14, 043 84 Košice, Slovakia
daniela.pristacova@student.tuke.sk

Keywords: information logistics, information backup, information flows, companies, competitiveness
Abstract: This article is concerned with analyze and with possibilities of increasing of competitiveness of companies within the Europe via means of information logistics. The article is targeting especially European logistical association (ELA), which expressively contribute to the increasing of awareness and competitiveness of the companies in the Europe, within analyze of the problem. After the detailed analyze of the companies, which belong into this association, it is possible to come to the certain assumptions, which should small and middle companies in Slovakia meets, so that they would integrate into this significant association. The part of the synthesis is not less interesting. The article solves project of information security of the companies, by which it is possible to reach competitiveness of the companies at the international level.

DOI: 10.22306/al.v3i3.65
Received: 22 Sep. 2016
Accepted: 02 Oct. 2016

OPEN INNOVATION SYSTEM IN E-BUSSINES WITH INBOUND MARKETING AND LOGISTIC USING

(pages 15-19)

Erika Loučanová
Department of Marketing, Trade and World Forestry, Technical University in Zvolen, T.G. Masaryka 24, 960 53 Zvolen, Slovak Republic, loucanova@tuzvo.sk
Miriam Olšiaková
Department of Marketing, Trade and World Forestry, Technical University in Zvolen, T.G. Masaryka 24, 960 53 Zvolen, Slovak Republic, olsiakova@tuzvo.sk

Keywords: open innovation system, e-bussines, inbound marketing, distribution logistics, logistics
Abstract: This paper focuses on marketing and information distribution logistics within it, which is one of the most important elements in online sales as well as in e-business.The paper also brings knowledge about open innovation system in e-business with inbound marketing using. Open innovation system is connected to the phase of commercialization and communication with customers as the subjects of the innovation process. It provides information about all stakeholders' needs in the innovation process. The aim of the open innovation process is to effectively identify valuable and profitable innovation in business, as well as problems related to management decisions and practices in the innovation process.

ABSTRACTS

DOI: 10.22306/al.v3i3.69

Received: 10 Sep. 2016
Accepted: 02 Oct. 2016

LOGISTICS OF WORKING ROLLERS AND POSSIBILITIES OF PRODUCTION STREAMLINING

(pages 21-25)

Marek Majoroš

U. S. Steel Košice, s.r.o., Prevádzka Príprava Valcov, U. S. Steel, 044 54, Košice, Slovakia
marekmajoros@hotmail.sk

Keywords: streamlining, simulation, material flow, logistics, production process

Abstract: Within the preparation of the production – rolling of flat surfaces, it is necessary to ensure the required amount of rollers with different diameters and lengths. This article deals with the logistics of the working rollers of the service of the specific working place. It aims to provide solution possibilities and to determine the optimal state using the simulation approach. The experiments in real companies are very rare, expensive and tedious. Simulation models allow us to explore more options, they avoid the system failures, machines damaging and human exposure to danger. Although the simulation requires some time to create the model and some professional knowledge, it takes less time, saves costs and does not involve in the production process and has a limitless number of experiments.