Abstract
The aim of this article is to present some ‘smart’ solutions which could be recognised as innovative solutions in both areas: technology and organisation. The above mentioned solutions could be implemented by logistics which, in the era of globalization, plays a very important role. This applies not only to functioning of individual companies, but also to national economies and even the world economy. The phenomenon of competition can now be observed not just in individual companies but in entire supply chains. The pace of development of the modern economy means that companies are forced to constantly introduce more and more new solutions, resulting in innovation driving the progress of the market. This article is a part of research, which considers the problem of implementation of IT solutions logistics.

Keywords: Internet of Things; Big Data; Industry 4.0; innovative solutions; logistics

1. Introduction

Innovation today is synonymous with progress and modernity in every area – from the social sphere, through the educational system, to the economic sphere in science and economy, looking for new solutions that contribute to competitive advantage in the market and thus raise the level of economic and social development and ensure a high quality of life. “Innovation is the difference between leaders and followers”, Steve Jobs, Apple's famous CEO, would say [9]. Confirmation of this can be seen in graphs presented in the illustration, which show that most of projects

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based on innovation and high technologies are implemented in the US and thus the US economy is leading the world economy.

The European Union, in order to reduce the gap between itself and the USA in the area of economic development, requires an industrial and technological base to provide the citizens in the EU and beyond its borders solutions for communication and movement in increasingly urbanized areas [13, 14].

The concept of innovation comes from the Latin ‘innovare’ or ‘creating something new’. The concept of innovation was introduced to world economic literature by J.A. Schumpeter in 1912; he treated innovation as a factor in economic development, and its inclusion is considered a classic. According to Schumpeter [10], innovations are new combinations which occur in the following cases:

- Developing a new product or introducing products with new properties to the market
- Introduction of a new method of production
- The opening of a new market
- Acquision of new sources of raw materials
- Carrying out a new organization of economic processes.

This definition is the starting point for a discussion about the importance of innovation in the economy. In terms of Schumpeter’s definition, where innovation means putting new solutions into practice, the author focused primarily on technical innovation and its impact on the economy. He is the creator of the so-called concept of “Creative destruction”, which is a continuous destruction of old structures and the constant development of new, more effective ones. For Peter F. Drucker [5], in turn, “Innovation is the specific tool of entrepreneurs, by means of which the changes make them an opportunity to take up a new business or the provision of new services”. In his opinion, “innovation does not have to be technical, it need not even be something material”. Yet another definition of innovation can be found in the Operational Programme Innovative Economy, where innovation is understood as putting into practice new or significantly improved solutions regarding a product (good or service), process, marketing or organizational system within a company.
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