



The role of logistics in international crises and challenges

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Introduction

Considering the current economic and commercial challenges in some commercial areas in the world, and the accompanying with the climatic changes, the pandemics, trade tension, trade restrictions, and political conflicts, there has been a decline in the global trade flows (Free and Hecimovic, 2021). The global supply chain pressure has increased, and the length of chain became longer.

As a result, there is a shortage of products and raw materials in some markets, high freight rates increased, and there is loss, damage, and delay in the goods movement (Qin et al., 2023).

Strategically, most of companies aimed to use logistical solutions and strategies to avoid these effects, either through increasing inventory levels, relying on local suppliers, using applications of the 4th industry applications, or through mergers and alliances with other companies (Bygballe et al., 2023).

However, these solutions and strategies led to an increase in the volume of invested capital, a rise in the rate of cybercrime, the congestion in seaports and airports, the increase in demurrage and detention, and the shortage of storage spaces.

Among these challenges and strategies, logistics and supply chains become as one of the most important sciences at this critical stage in world history. Accordingly, logisticians regularly assess their operational performance and fix problems. They work together with suppliers and vendors to guarantee that all activities adhere to the highest standards of quality and safety. This requires from all logistics and supply chain managers to search and research for reliable, resilient, and innovative strategies, tools, and applications.

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Biography

Dr. Khaled EL Sakty is the Dean of the College of International Transport and Logistics at the Arab Academy for Science, Technology and Maritime Transport. He is also a Visiting Professor at the American University in Cairo, Helwan University and Ain Shams University. Also, he is a member of Academy of Scientific Research and Technology in Egypt, and a head of technical office of transport and logistics.

For many years Dr. EL Sakty has been assuming positions in industry as an international business consultant, certified trainer, and team leader in mega national projects in different countries.

Dr. EL Sakty holds a PhD in supply chain management from the University of Huddersfield, UK. Dr. EL Sakty has been a recipient of significant number of awards, such as ESPO II in 2011 in Greece, HNI in 2016